



SHRI RAM COLLEGE OF COMMERCE
UNIVERSITY OF DELHI

HAND BOOK



2020-21

SRCC
HAND BOOK
2020-21



SHRI RAM COLLEGE OF COMMERCE

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DISCLAIMER

In case of any discrepancy between the information contained in this Handbook and University of Delhi Ordinances, Rules and Regulations, Notices, Circulars, etc. latter will prevail.

Mission

"To achieve and sustain excellence in teaching and research, and enriching local, national and international communities through our research, the skills of alumni, and the publishing of academic and educational materials"

DEPARTMENTS & FACULTY

Principal

Prof. Simrit Kaur

DEPARTMENT OF COMMERCE

Associate Professors

Dr. C. S. Sharma
Ms. Smita Sharma
Dr. Anil Kumar
Dr. Deepashree
Mr. S. K. Bohidar
Dr. Suman Bhakri
Ms. Reena Chadha
Ms. Renu Agarwal
Dr. Sneha Lata Gupta
Dr. Amit Sachdeva
Dr. Rachna Jawa
Ms. Alka Goyale
Ms. Aruna Jha
Ms. Santosh Sabharwal
Dr. Mallika Kumar

Assistant Professors

Dr. Santosh Kumar
Dr. Abhay Jain
Dr. Pankaj Chaudhary
Dr. Santosh Kumari
Mr. Padmeswar Doley
Mr. Harendra Nath Tiwari
Dr. Nawang Gialchhen
Dr. Tarun Manjhi
(Teacher-in-Charge)
Dr. Surya Prakash
Mr. Raj Kumar Sah
Dr. Monika Bansal
Dr. Alok Kumar
Ms. Amanpreet Kaur
Ms. Anisha
Ms. Karuna
Ms. Kinneri Jain
Dr. Vandana Jain
Dr. Naveen Mittal
Dr. Astha Dewa

DEPARTMENT OF ECONOMICS

Associate Professors

Ms. Anita Mathur
Mr. Rajiv Jha
Dr. A.J.C. Bose
Dr. Rituranjan

Assistant Professors

Ms. Priyanka Bhatia
(Teacher-in-Charge)
Dr. Esther N. Ngaihte
Ms. Renu Bansal
Mr. Avinash Kumar Jha
Mr. Rajeev Kumar
Mr. Rakesh Ranjan

DEPARTMENT OF ENGLISH

Associate Professors

Mr. Soumitra Kumar Choudhury
Mr. Shailesh K. Chawla
(Teacher-in-Charge)
Dr. Ruchi Kaushik

DEPARTMENT OF MATHEMATICS

Associate Professors

Dr. J.K. Thukral **(Teacher-in-Charge)**
Dr. Misha G. Govil
Dr. Pushp Lata Jain

DEPARTMENT OF HINDI

Associate Professors

Dr. Ravi Sharma (**Teacher-in-Charge**)

DEPARTMENT OF POLITICAL SCIENCE

Assistant Professor

Mr. V.V. Linesh (**Teacher-in-Charge**)

DEPARTMENT OF COMPUTER SCIENCE

Assistant Professor

Mr. Vikas Madan (**Teacher-in-Charge**)

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS

Assistant Professor

Dr. Kuljeet Kaur (**Teacher-in-Charge**)

Administration

Library

Mr. Sandeep Nawani

Librarian (Officiating)

Administration

Mr. Jatin Lamba

Administrative Officer

Ms. Juleta Khan

Section Officer (Officiating)

Accounts

Mr. Praveen Kumar Jain

Administrative Officer

Mr. Sanjay Dobhal

Section Officer

ACADEMIC CALENDAR SEMESTER SCHEME (2020-2021)

SEMESTER III/V

Classes Begin	10 th August, 2020 (Monday)
Dispersal of classes, preparation leave and practical examination begin	28 th November, 2020 (Saturday)
Theory examination begin	12 th December, 2020 (Saturday)
Winter break	29 th December, 2020 (Tuesday) to 1 st January 2021 (Friday)

SEMESTER II/IV/VI

Classes Begin	2 nd January, 2021 (Saturday)
Mid-Semester break	24 th March, 2021 (Wednesday) to 30 th March 2020 (Tuesday) <i>Note: Holi is on 29th March 2021</i>
Classes begin after Mid-Semester break	31 st March, 2021 (Wednesday)
Dispersal of classes, preparation leave and practical examination begin	30 th April, 2021 (Friday)
Theory examination begin	15 th May 2021 (Saturday)
Summer Vacations	29 th May 2021 (Saturday) to 19 th July, 2021 (Monday)

FIRST BATCH/ FIRST SEMESTER

COMMENCEMENT OF CLASSES	18.11.2020 (Wednesday)
Preparatory Break and Practical Examination	06.03.2020 (Saturday) to 14.3.2021
Conduct of Examinations	15.3.2021 (Monday) to 27.03.2021 (Saturday)
Semester Break	28.03.2021 (Sunday) to 31.03.2021 (Wednesday)

EVEN SEMESTER (FIRST YEAR)

COMMENCEMENT OF CLASSES	01.04.2021 (Thursday)
Preparatory Break and Practical Examination	21.07.2021 (Wednesday) to 28.07.2021 (Wednesday)
Conduct of Examinations	29.07.2021 (Thursday) to 09.08.2021 (Monday)

Semester Break	10.08.2021 (Tuesday) to 15.08.2021 (Sunday)
Commencement of Next Academic Session for this batch	16.08.2021 (Monday)

Course Structure for B. Com. (Hons.) – CBCS

Paper Names	
Semester I	
Environmental Studies/ Communication (English/Hindi)	Ability Enhancement Compulsory Course (AECC - 1)
Financial Accounting	Core Course (C-1)
Business Laws	Core Course (C-2)
Generic Elective (GE-1): Any one of the following: <ul style="list-style-type: none"> • Introductory Microeconomics (Dept. of Economics) • Academic Writing and Composition (Dept. of English) • Calculus (Dept. of Mathematics) • हिंदी सिनेमा (Dept. of Hindi) • Politics of Globalization (Dept. of Political Science) • YOGA AND STRESS MANAGEMENT (Dept. of Physical Education and Sports) 	Generic Elective (GE-1)
Semester II	
Environmental Studies/Communication (English/Hindi)	Ability Enhancement Compulsory Course (AECC - 2)
Corporate Accounting	Core Course (C-3)
Corporate Laws	Core Course (C-4)
Generic Elective (GE-2): Any one of the following <ul style="list-style-type: none"> • Introductory Macroeconomics (Dept. of Economics) • The Individual and Society (Dept. of English) • Linear Algebra (Dept. of Mathematics) • पट कथा और संवाद लेखन (Dept. of Hindi) • Women, Power, and Politics (Dept. of Political Science) • Obesity Management (Dept. of Physical Education and Sports) 	Generic Elective (GE-2)
Semester III	
Human Resource Management	Core Course (C-5)
Income-tax Law and Practice	Core Course (C-6)
Management Principles and Applications	Core Course (C-7)

<p>Generic Elective (GE-3): Any one of the following:</p> <ul style="list-style-type: none"> • Data Analysis or Money and Banking or Indian Economy I or Economic History of India (Dept. of Economics) • Media and Communication Skills (Dept. of English) • Linear Programming and Game Theory (Dept. of Mathematics) • हिंदी कहानी (Dept. of Hindi) • Contemporary Political Economy (Dept. of Political Science) • Aerobic Training (Dept. of Physical Education and Sports) 	Generic Elective (GE-2)
<p>Skill Enhancement Course (SEC-1): Any one of the following:</p> <ul style="list-style-type: none"> • E-commerce • Training and Development • Digital Marketing • Communication and Documentation in Business • Personal Tax and Planning • Personal Finance and Planning 	Skill Enhancement Course (SEC - 1)
Semester IV	
Cost Accounting	Core Course (C-8)
Business Mathematics	Core Course (C-9)
Computer Applications in Business	Core Course (C-10)
<p>Generic Elective (GE-4): Any one of the following:</p> <ul style="list-style-type: none"> • Indian Economy-II or Public Finance or Global Political Economy or Game Theory (Dept. of Economics) • Text and Performance: Western Performance Theories and Practices (Dept. of English) • Elements of Analysis (Dept. of Mathematics) • हिंदी का वैश्विक परिदृश्य (Department of Hindi) • Gandhi and the Contemporary World (Dept. of Political Science) • Fitness and Exercise Management (Dept. of Physical Education and Sports) 	Generic Elective (GE-2)

<p>Skill Enhancement Course (SEC-2): Any one of the following:</p> <ul style="list-style-type: none"> • Entrepreneurship • Computerised Accounting System • Business Research Methods & Analytics • Leadership and Team Development • Collective Bargaining and Negotiation Skills • E-Filing of Returns • Cyber Crimes and Laws 	Skill Enhancement Course (SEC - 2)
Semester V	
Principles of Marketing	Core Course (C-11)
Fundamentals of Financial Management	Core Course (C-12)
<p>Discipline Specific Elective (Any one out of Group-A):</p> <ul style="list-style-type: none"> • Management Accounting • Banking and Insurance • Computerized Accounting System • Organizational Behaviour 	Discipline Specific Elective (DSE -1)
<p>Discipline Specific Elective (Any one out of Group-B):</p> <ul style="list-style-type: none"> • Corporate Tax Planning • Advertising • Financial Markets, Institutions and Financial Services • Industrial Laws • Business Statistics 	Discipline Specific Elective (DSE - 2)
Semester VI	
Auditing and Corporate Governance	Core Course (C-13)
Goods & Service Tax (GST) & Customs Law	Core Course (C-14)
<p>Discipline Specific Elective (Any one out of Group - C)</p> <ul style="list-style-type: none"> • Fundamentals of Investment • Compensation Management • Business Tax Procedures and Management • New Venture Planning • Consumer Affairs and Customer Care 	Discipline Specific Elective (DSE-3)

Discipline Specific Elective (Any <i>one</i> out of Group-D) <ul style="list-style-type: none"> • Financial Reporting and Analysis • Business Research Method and Project Work • International Business • Industrial Relations and Labour Laws 	Discipline Specific Elective (DSE-4)
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Notes:

1. For Practical Lab based

- a) For Core Courses, Financial Accounting (C-1), Income-tax law and Practice (C-6), Business Mathematics (C-9), and Fundamentals of Financial Management (C-12), there shall be 4 Credit hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit hr for Tutorials (per group)

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- b) For Core Courses, Computer Applications in Business (C-10) and Discipline Specific Elective Computerised Accounting System (DSE-2), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab.
 - c) For Skill Enhancement Elective Course, E-Commerce (SEC-1), there shall be 3 Credit Hrs. for Lectures + One Credit hr. (2 Practical Periods per week per batch) for Practical Lab.
2. For other core and elective papers, there shall be 5 lectures and one Tutorial (per batch).
 3. Generic electives to be offered by other departments.

Course Structure for B. A. (Hons.) Economics – CBCS

Semester-I

Economics Core Course 1: Introductory Microeconomics

Economics Core Course 2: Mathematical Methods for Economics-I

Environmental Studies/Communication (English/Hindi)

Generic Elective (GE) Course-I: Any one of the following:

- a. Basics of Accounting or Business Organisation and Management (Dept. of Commerce)
- b. Academic Writing and Composition (Dept. of English)
- c. Calculus (Dept. of Mathematics)
- d. हिंदी सिनेमा (Dept. of Hindi)
- e. Politics of Globalization (Dept. of Political Science)
- f. YOGA AND STRESS MANAGEMENT (Dept. of Physical Education and Sports)

Semester-II

Economics Core Course 3: Introductory Macroeconomics

Economics Core Course 4: Mathematical Methods for Economics-II

Environmental Studies/Communication (English/Hindi)

Generic Elective (GE) Course-II: Any one of the following:

- a. The Individual and Society (Dept. of English)
- b. Entrepreneurship or Finance for Non-Finance Executives (Dept. of Commerce)
- c. Linear Algebra (Dept. of Mathematics)
- d. पठ_कथा_और_संवाद_लेखन (Department of Hindi)
- e. Women, Power & Politics (Dept. of Political Science)
- f. Obesity Management (Dept. of Physical Education and Sports)

Semester-III

Economics Core Course 5: Intermediate Microeconomics-I

Economics Core Course 6: Intermediate Macroeconomics-I

Economics Core Course 7: Statistical Methods for Economics

Skill Enhancement Course (SEC)-I: Data Analysis

Generic Elective (GE) Course-III: Any one of the following:

- a. Investing in Stock Exchange or Human Resource Management or Fundamentals of Marketing (Dept. of Commerce)
- b. Media and Communicational Skills (Dept. of English)
- c. Linear Programming & Game theory (Dept. of Mathematics)
- d. हिंदी कहानी (Dept. of Hindi)
- e. Contemporary Political Economy (Dept. of Political Science)
- f. Aerobic Training (Dept. of Physical Education and Sports)

Semester-IV

Economics Core Course 8: Intermediate Microeconomics-II

Economics Core Course 9: Intermediate Macroeconomics-II

Economics Core Course 10: Introductory Econometrics

Skill Enhancement Course (SEC)-II: Contemporary Economic Issues or Research Methodology

Generic Elective (GE) Course-IV: Any one of the following:

- a. Insurance and Risk Management or Project Management and Techniques (Dept. of Commerce)
- b. Text and Performance: Western Performance Theories and Practices (Dept. of English)
- c. Elements of Analysis (Dept. of Mathematics)
- d. हिंदी का वैश्विक परिदृश्य (Dept. of Hindi)
- e. Gandhi and the Contemporary World (Dept. of Political Science)
- f. Fitness and Exercise Management (Dept. of Physical Education and Sports)

Semester-V

Economics Core Course 11: Indian Economy-I

Economics Core Course 12: Development Economics-I

DSE Course-I (From List of Group-I)

DSE Course-II (From List of Group-I)

Group-I (DSE Courses):

- i) Economics of Health and Education
- ii) Applied Econometrics
- iii) Economic History of India (1857-1947)
- iv) Topics in Microeconomics-I
- v) Political Economy-I
- vi) International Economics
- vii) Public Economics

Semester-VI

Economics Core Course 13: Indian Economy-II

Economics Core Course 14: Development Economics-II

DSE Course-III (From List of Group-II)

DSE Course-IV (From List of Group-II)

Group-II (DSE Courses):

- i) Political Economy-II
- ii) Comparative Economic Development (1850-1950)
- iii) Financial Economics
- iv) Topics in Microeconomics-II
- v) Environmental Economics
- vi) Money and Financial Markets
- vii) Dissertation/Project

Examination Including Internal Assessment

The University of Delhi reserves the right to make alteration in its Academic Schedule and examinations system at any stage in the duration of any or all of the programs.

1. Attendance: Subject to the provisions of Ordinance VII, the candidates are required to attend not less than two third of theory and practical/tutorial classes separately in all the subjects taken together held in the College in each semester/academic year.

2. Submission of Examination Forms

Candidates desiring to appear in the examination within the permitted span period and otherwise eligible are required to fill up the prescribed Examination Form.

- i) The Regular Students can collect the Examination Forms from the office of the Colleges and are required to deposit the same along with the prescribed fee at the Colleges within the dates prescribed.
- ii) The Ex-students (Students who have appeared & failed to pass the examination) are required to collect their examination forms from the concerned section of the Examination Branch of Delhi University and such students will be required to submit the examination form and ex-student registration form, duly completed in all respects and countersigned by the Principal of the College at the concerned examination enquiry window for verification. After verification, the candidates would be required to deposit prescribed examination fee with University Cashier and the Examination Form with the concerned window at the Examination Branch.
- iii) The students desirous of improving their performance in any paper as per the University Rules are required to produce their original statement of marks along with the Examination Form. The rules for the same are given in the University Calendar available on the University website (www.du.ac.in).

3. Span Period

Ordinarily, no student will be allowed to appear in the Examinations beyond the prescribed span period. For all the three-year under-graduate courses under the

CBCS structure, the span period to complete the course will be 6 years from the year of admission in 1st Semester.

4. Examination Schedule

Tentative schedule for holding various examinations is given below: Undergraduate Courses (Formal Stream)-November/December and April/May.

5. Date Sheets

The Examination Branch issues separate Date Sheets for each under graduate course. Examinations for the courses covered under the semester scheme shall be held at the end of each semester in accordance with the academic calendar prescribed by the Academic Council from time to time. Unless otherwise provided specifically in any other Ordinance, there will be no supplementary examination for any of the semesters.

6. ORDINANCE VIII-E: Internal Assessment

- 1.1 The scheme for Internal Assessment shall be followed in the regular stream only. The specific Ordinances pertaining to schemes of examinations of various courses shall stand amended, mutatis mutandis, to the extent of internal assessment as laid down in this Ordinance, subject to exclusions referred to above.
- 1.2. Internal Assessment marks shall be shown separately in the Marks Sheet issued by the University and these marks shall be added to the semester examination marks for determining the division of the student.
2. 25% of the maximum marks in each paper in undergraduate courses shall be assigned for Internal Assessment and the remaining 75% marks for the Semester University Examination; the time duration and other modalities of the semester examination with respect to this 75% component shall remain as per existing schemes of examination for various undergraduate courses.
 - 2.1.1 For the Semester Examination Scheme, there shall be 10% weightage assigned to Class Test(s)/Quiz(s) to be conducted by each college, for all subjects in B.A., & B.Com. Courses and all papers of the Main Subject in Honours courses.
 - 2.2.1 Each student shall be assessed on the basis of written assignments/ tutorials as well as on the basis of project reports/term papers/seminars. There shall be 10% weightage for such written assignment; and project reports/ presentations/ term papers/seminars. Each student shall be given at least one written assignment per paper in each term /semester.
 - 2.2.2 There shall be 5% weightage for regularity in attending lectures and tutorials, and the credit for regularity in each paper, based on attendance, shall be as follows:
 - More than 67% but less than 70% - 1 mark
 - 70% or more but less than 75% - 2 marks
 - 75% or more but less than 80% - 3 marks
 - 80% or more but less than 85% - 4 marks
 - 85% and above - 5 marks

[Medical certificates shall be excluded while calculating credit towards marks to be awarded for regularity, though such certificates shall continue to be taken into account for the purpose of calculating eligibility to appear for examinations as per the existing provisions of Ordinance VII.2.9. (a) (ii).]

3. The promotion criteria shall be as per the existing Ordinances for University Examinations, as applicable to respective courses. In addition, the same criteria shall apply to the total of the University Examination and the Internal Assessment, taken together.

7. Procedure for Obtaining the Documents from Examination Branch

The rules, procedures and forms for issue of the following documents are given on the University website: (<http://www.du.ac.in/downloads/.htm>).

Duplicate Degree	Duplicate Marks sheet
Transcript	Degree Verification
Migration Certificate	Special Certificate

RELEVANT ORDINANCES RELATED TO CALCULATION OF BENEFITS

Ordinance VII: Conditions for Admission to Examinations

- (a) (i) In the case of a student who is selected as a member of the N.C.C. to participate in the annual N.C.C. Camps or is deputed to undertake Civil Defence work and allied duties or in the case of a student who is enrolled in the National Service Scheme and is deputed to various public assignments by or with the approval of the Head of the institution concerned or a student who is selected to participate in sports or other activities organised by the Inter-University Board or in national or international fixtures in games and sports approved by the Vice-Chancellor or a student who is required to represent the University at the Inter-University Youth Festival, or a student who is required to participate in periodical training in the Territorial Army or a student who is deputed by the College to take part in Inter-College sports or fixtures, debates, seminars, symposia or social work projects or a student who is required to represent the College concerned in debates and other extra-curricular activities held in other Universities or such other activities approved by the Vice-Chancellor for this purpose, in calculating the total number of lectures etc. delivered in the College, or in the University, as the case may be, for his course of study in each academic year, the number of lectures etc., in each subject delivered, during the period of absence for that purpose shall not be taken into account.
(ii) The Principal of a College may consider, on the basis of the Medical Certificates produced, exceptionally hard cases of students who had fallen seriously ill or had met with an accident during the year disabling them from attending classes for a certain period, with a view to determining whether the lectures etc. delivered during the said period, or a part thereof, could be excluded for purposes of calculation of attendance of the year and decide each case on its own merits.
- (b) The College shall notify on the notice board the final attendance position of each of its students within three days of the dispersal of the classes in the each

semester of the academic year. Not later than five days, thereafter, a student may, by an application to the Principal of the college, claim benefit of exclusion of lectures under sub-clause (a) above on grounds to be specified and accompanied by the relevant documents. All such applications submitted within time shall be considered and disposed of by the Principal of the College at least 3 days prior to the commencement of the examination, in which the student is intending to appear.

- (c) The benefit of exclusion of lectures contemplated in categories (i) or (ii) of sub clause (a) above, either separately or jointly, shall in no case exceed 1/3 of the total number of lectures delivered.
1. A student in the categories listed above under clause (a), will get the benefit of attendance for Internal Assessment for the classes missed.
 2. However, medical certificates shall be excluded while calculating credit towards marks to be awarded for regularity, though such certificates shall continue to be taken into account for the purpose of calculating eligibility to appear for examinations.

Following points should be noted in view of Ordinance VII and Ordinance VIII-E

1. The rules related to benefits mentioned in Ordinance VII and VIII-E of University of Delhi shall be strictly followed.
2. Medical benefits are given for the purpose of determining eligibility to sit in examinations only and not for the purpose of giving marks.
3. Total benefits cannot exceed 1/3 of the total lectures delivered.
4. Benefits of attendance are given for participation and not for organising the events/ activities.

The benefits as per the rules of the University of Delhi shall be given only for participation in:

- i. Various public assignments of the National Service Scheme (NSS) with the approval of the Teacher-in-charge/ Principal;
 - ii. Sports or other activities organised by the Inter-University Board or in national or international fixtures in games and sports approved by the Vice-Chancellor or a student who is required to represent the University at the Inter-University Youth Festival;
 - iii. Periodical training in the Territorial Army;
 - iv. Inter-College sports or fixtures, debates, seminars, symposia or social work projects; or
 - v. Debates and other extra-curricular activities held in other Universities or such other activities.
5. Concerned Teacher-in-charge of societies shall make sure that the participation of student is bonafide.
 6. Benefit sheet must be given for every student separately. Students must submit the photocopy of benefit sheet to their concerned teacher but original sheet must be shown to the concerned teacher, if the teacher demands.

7. Following format of benefit sheet only should be followed:

Format of Benefit Sheet

SHRI RAM COLLEGE OF COMMERCE <SOCIETY NAME>			
Attendance Benefit Sheet <Month, Year>			
Dear Colleague			
It is requested that <Student's Name>, <Roll number> of <Course>, <Year>, <Semester>, <Section>, has participated in the events given below. So kindly grant her/him attendance benefits for the following classes:			
S.No.	Date	Class (Period)	Details of Participation
1.			
2.			
Thanks Verified By <Name><Name> Society President Charge			Teacher-In- Charge

ORDINANCE XV-B Maintenance of Discipline among Students of the University

1. All powers relating to discipline and disciplinary action are vested in the Vice Chancellor.
2. The Vice Chancellor may delegate all or such powers as he/she deems proper to the Proctor and to such other persons as he/she may specify in this behalf.
3. Without prejudice to the generally to power to enforce discipline under the Ordinance. The following shall amount to acts of gross indiscipline:
 - a) Physical assault or threat to use physical force, against any member of the teaching and nonteaching staff of any institution/Department and against any student within the University of Delhi;
 - b) Carrying of, use of, or threat to use of weapons;
 - c) Any violation of the provisions of the Civil Rights Protection Act, 1976;
 - d) Violation of the status, dignity and honor of students belonging to the scheduled castes and tribes;
 - e) Any practice-whether verbal or otherwise-derogatory of women;
 - f) Any attempt at bribing or corruption in any manner;
 - g) Willful destruction of institutional property;
 - h) Creating ill-will or intolerance on religious or communal grounds;
 - i) Causing disruption in any manner of the academic functioning of the University system;
 - j) Ragging as per ordinance XV-C.
4. Without prejudice to the generality of his/her powers relating to the maintenance of discipline and taking such action in the interest of maintaining

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- discipline as may seem him/her appropriate, the Vice-Chancellor, may in the exercise of his/her powers aforesaid order or direct that any students or students:
- a) Be expelled; or
 - b) Be for a stated period rusticated; or
 - c) Be not for a stated period, admitted to a course or courses of study in a College, Department or Institution of the University; or
 - d) Be fined with a sum of rupees that may be specified; or
 - e) Be debarred from taking a University or College or Departmental Examination or Examinations for one or more years; or
 - f) That the result of the students or students concerned in the Examination or Examinations in which he/she or they have appeared be cancelled.
5. The Principals of the Colleges, Heads of the Halls, Dean of Faculties, Heads of Teaching Departments in the University, the Principal, School of Correspondence Courses and Continuing Education and Librarian shall have the authority to exercise all such disciplinary powers over students in their respective Colleges, Institutions, Faculties and Teaching Departments , in the University as may be necessary for the proper conduct of the Institutions, Halls and teaching in the concerned Departments. They may exercise their authority through, or delegate authority to, such of teachers in their Colleges, Institutions or Departments as they may specify for these purposes.
 6. Without prejudice to the powers of the Vice-Chancellor and the Proctor as aforesaid, detailed rules of discipline and proper conduct shall be framed. These rules may be supplemented, where necessary, by the Principals of Colleges, Heads of Halls, Deans of Faculties and Heads of Teaching Departments in this University. Each student shall be expected to provide himself/herself with a copy of these rules.
 7. At the time of admission, every student shall be required to sign a declaration that on admission he/she submits himself/herself to the disciplinary jurisdiction of the Vice-Chancellor and the several authorities of the University of Delhi who may be vested with the authority to exercise discipline.

ORDINANCE XV-C Prohibition and Punishment for Ragging

1. Ragging in any form is strictly prohibited, within the premises of College/ Department or Institution and any part of Delhi University system as well as on public transport.
2. Any individual or collective act or practice of ragging constitutes gross indiscipline and shall be dealt with under this Ordinance.
3. Ragging for the purposes of this Ordinance, ordinarily means any act, conduct or practice by which dominant power or status of senior students is brought to bear on students freshly enrolled or students who are in any way considered junior or inferior by other students; and includes individual or collective acts or practices which –

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- a. Involves physical assault or threat to use of physical force;
 - b. Violate the status, dignity and honour of women students;
 - c. Violate the status, dignity and honour of students belonging to the scheduled caste and tribe;
 - d. Expose students to ridicule and contempt and affect their self-esteem;
 - e. Entail verbal abuse and aggression, indecent gestures and obscene behaviour.
4. The Principal of a College, the Head of the Department or an Institution, the authorities of College, or University Hostel or Halls of Residence shall take immediate action on any information of the occurrence of ragging.
 5. Not with standing anything in Clause (4) above, the Proctor may also suo moto enquire into any incident of ragging and make a report to the Vice-Chancellor of the identity of those who have engaged in ragging and the nature of the incident.
 6. The Proctor may also submit an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.
 7. If the Principal of a College or Head of the Department or Institution or the Proctor is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he/she may so advise the Vice-Chancellor accordingly.
 8. When the Vice-Chancellor is satisfied that it is not expedient to hold such an enquiry, his/her decision shall be final.
 9. On the receipt of a report under Clause (5) or (6) or a determination by the relevant authority under clause (7) disclosing the occurrence of ragging incidents described in Clause 3(a), (b) and (c), the Vice-Chancellor shall direct or order rustication of a student or students for a specific number of years.
 10. The Vice-Chancellor may in other cases of ragging order or direct that any student or students be expelled or be not for a stated period, admitted to a course of study in a college, departmental examination for one or more years or that the results of the student or students concerned in the examination or examinations in which they appeared be cancelled.
 11. In case any student who has obtained degree or diploma of Delhi University is found guilty; under this Ordinance, appropriate action will be taken under Statute 15 for withdrawal of degree or diploma conferred by the University.
 12. For the purpose of this Ordinance, abetment to ragging whether by way of any act, practice or incitement of ragging will also amount to ragging.
 13. All Institutions within the Delhi University system shall be obligated to carry out instructions/ directions issued under this Ordinance, and to give aid assistance to the Vice-Chancellor to achieve the effective implementation of the Ordinance.

PREVENTION, PROHIBITION & REDRESSAL OF SEXUAL HARASSMENT OF FEMALE STUDENT

Provisions of the Sexual Harassment of Women at workplace (Prevention, Prohibition & Redressal) Act, 2013 and Sexual Harassment of Women at workplace

(Prevention, Prohibition & Redressal) Rules, 2013, University Grants Commission (Prevention, Prohibition and Redressal of Sexual Harassment of Woman Employees and Students in Higher Educational Institutions) Regulations, 2015 govern the complaints related to sexual harassment and a designated committee has been constituted in the colleges to take cognizance of the matters, if any. For more information about the Act, 2013 refer to <http://wcd.nic.in/act/sexual-harassment-women-workplace-prevention-prohibition-and-redressal-act-2013> and UGC Regulation, 2015 published in the Gazette of India Extraordinary, Part III. Section 4 (New Delhi: Government of India, 2016).

INFRASTRUCTURE & FACILITIES

The College is very well equipped with infrastructure and facilities of global standards, which add to the globally competitive dimension of the learning process at the College.

- **Classrooms and Tutorial Block**

All the classrooms of SRCC are centrally air conditioned and are equipped with modern teaching facilities such as Wi-Fi enabled, ceiling mounted LCD projectors and supporting roll down screens. Since the main building of the College has been recognised by the Government of Delhi as a “Heritage Building”, the classrooms have retained the heritage look with the vintage teak furniture. In addition, the College also has a two storey tutorial block with fully air conditioned tutorial rooms that facilitates smooth conduct of personalized student-teacher interaction in the College.

- **Library**

The College has a well-stocked library catering to the needs of more than two thousand seven hundred students at the undergraduate and postgraduate levels. Being fully automated, the library uses Radio Frequency Identification (RFID) technology and database management software LibSys version 7.2. It is fully air-conditioned and has two large reading halls accommodating around three hundred students. It is well equipped with all the modern facilities and resources (print and electronic) in the form of CD-ROMs, DVD-ROM, video cassettes etc. It has also developed a full-fledged digital library. The library has fully computerized its most actively used collection which is searchable through OPAC (Online Public Access Catalogue). It also permits access to the electronic resources provided by DULS (Delhi University Library System) and also provides remote access to e-publications through DELNET. There is a separate and dedicated internet service area installed with 40 computers to facilitate the members to access internet and online resources. The library has a collection of over 80,000 books and there is continuous addition of latest publications in the field of business, economics, humanities and literature to provide a wide range of academic resources to students and faculty members. The College also subscribes to various newspapers and about eighty national and international journals. The library has also adopted the theme of cashless and is progressing towards paperless environment. The Library opens for eight hours from 8.30 a.m. to 5.00 p.m. However, during examinations it opens from 8.00 a.m. to 8.00 p.m. for students' convenience.

- **Computer Centre**

The College has three computer labs having a total of 132 computers equipped with updated software and hardware along with internet connectivity and uninterrupted power backup. The computer labs also have projectors installed which are used as teaching aids. Printing and scanning facilities are also available in Computer Centre. In addition, the computer centre is also available for the students for accessing internet, practicing and preparing their projects.

- **Resources for Differently-abled Students**

The College devotes special attention to cater to the needs of differently-abled persons. The College has a unique resource centre for visually impaired students developed under the SRCC Enabling Unit. The Resource Center consists of state of the art technology which exponentially empowers the differently-abled students to enhance their learning abilities with screen reading software like JAWS, Super NOVA and Kurzweil. There is a range of text magnifiers and portable OCR (Optical Character Recognition) readers to read hard text instantly. Further, a talking notice-board with a digital-audio database for all the notices is set up in the resource centre. Apart from this, the entire campus area is connected with a network of ramps and an elevator to facilitate smooth movement of physically challenged persons. The College also has two electronic wheel chairs for the aid of students with locomotive disabilities. A separate canteen has been set-up for facilitating differently-abled students

- **Seminar Room**

The state-of-the-art Platinum Jubilee Seminar Room was constructed on the occasion of the College's Platinum Jubilee in 2000-2001. The air-conditioned seminar room, with a seating capacity of about hundred people, is equipped with audio-visual facilities along with recording facilities and an excellent sound system. It also features a projector screen, white board, black board and a podium. The Seminar Room is used for holding seminars, symposia, group discussion, lectures etc.

- **Auditorium**

The College has an air-conditioned Auditorium with a seating capacity of over 750 persons. The auditorium is equipped with lighting and sound systems that is managed by specially designated support staff along with the students. All important functions are organized in the College Auditorium and it is extensively used by the students for extra-curricular activities and for hosting functions of the College. It comprises a large stage, two green rooms, comfortable seating, carpeting, wall panelling for acoustic effects, air-conditioners, washrooms, locker and a podium.

- **Sports Complex**

The College is proud to have a gigantic centrally air-conditioned state-of-art international standard multipurpose indoor sports stadium built by the Government of India in the year 2010. The complex stands parallel to any other world class structure, equipped with all amenities and facilities available for the sports players. The Sports Complex includes multipurpose hall and sports field. It includes changing rooms, physiotherapy unit and gymnasium. The multipurpose hall comprises of a

wooden floor catering to the sports like basketball, volleyball, judo, yoga, wrestling etc. Besides this, a separate room for chess and table tennis is also provided in the stadium. It has a seating capacity of more than 1200 spectators. The College also has a hockey cum football field. Every year the College holds Sports Carnival, Inter-class matches and Sports Day. For proper training and grooming of players the College provides coaching facilities to the players for different games.

- **Playground**

The College has an expansive and lush green outfield that facilitates sports like hockey, foot-ball, net-ball, base-ball, soft-ball, hand-ball and athletics.

- **Swimming Pool**

SRCC is one of the few Colleges in the University of Delhi to have a swimming pool facility. The swimming pool opens during summer season only. The swimming pool is properly maintained and coaching facilities are also provided to newcomers.

- **Hostel Accommodation for Girls and Boys**

The College has two separate hostels for boys and girls, respectively on the campus itself. The capacity of the hostels is 145 for boys and 53 for girls. The on-campus residence of a number of students gives the College fraternity an image of an extended family. At the infrastructure front, the hostel kitchen has been modernized. The hostels are under CCTV surveillance. Further, online payment of mess bill has been initiated.

Students desirous of hostel accommodation should refer to the relevant Girls Hostel or Boys Hostel Prospectus available in the College/Hostel Office and apply in the prescribed form at the time of admission. Hostel accommodation is on the basis of availability of seats and admission to College does not guarantee admission to the Hostel.

Other Facilities

- **Canteen**

The College has a fully air-conditioned canteen. A popular meeting place for the students, it provides refreshing and sumptuous snacks, meals and beverages.

- **Cooperative Store**

The College has an in-house Bookshop. It provides books, reference materials and stationery products to the students.

- **Photostat Shop**

There is a photocopier in the campus. The students can avail the facility of photocopy, printing as well as compilation of study material.

- **Bank**

The College houses a branch of State Bank of India (SBI). Students can open their account as well as take advantage of other banking facilities from the SBI branch.

- **Parking Facility**

The College has an all-weather parking area for its staff and students. A guard is deputed to facilitate secured parking. Entry to parking area is restricted to availability of space. The parking area is under CCTV surveillance.

- **Basic Health Care Unit**

The College maintains a Basic Health Care Unit wherein basic medical support is provided to the staff and students. A full-time nurse is appointed for this purpose. Further, the consultation services of a general physician and an orthopedist are also available on specific days.

- **Physiotherapy Unit**

The College has a Physiotherapy Unit at the Sports complex for its students and staff members. The Physiotherapy section has Electrotherapy room and Exercise therapy room. The Electrotherapy room is equipped with all the basic physiotherapy modalities (i.e. IFT u.s. TENS, Muscle Stimulator, SWD [short wave diathermy], Traction Machine, wax bath therapy and hydro collar) meant for pain relief and relaxation. The exercise room has the basic exercise equipment (i.e. Shoulder Wheel, Wrist Exerciser, Ankle Exerciser, and Foot Exerciser) along with some equipment especially for sports students that include resistance bands and loops, Swiss Balls, Foam Rollers, Bosu Balls, Medicine Balls, and Weigh Cuffs. There is also an RIP-60 trainer (supervision trainer) for rehabilitation and training purposes. A visiting physiotherapist is attached to the unit and is available during working days and hours.

- **Fitness Centre/Gymnasium**

The College maintains its own fitness centre. It is located inside the multipurpose hall in sports complex possessing equipment for free weight exercises, bodyweight exercises, gym ball exercises / Swiss ball exercises, resistance band exercises, resistance machine exercises and stretching exercises. The Centre also holds classes for kickboxing, yoga and aerobics. The Gym has two broad sections:

1. Weight training section: This section comprises of Olympic weightlifting weights, exercise stations, Swiss balls etc.

2. Cardio section: It consists of treadmills, elliptical trainer, cycles etc.

- **Wi-Fi enabled Campus**

The College has a Wi-Fi enabled campus. The College server is connected with the University 's main campus server. Access to any new information is just a click away for students.

- **Lift**

The College has a lift facility and a dedicated lift operator to aid differently-abled students in particular.

- **Railways & Airlines Concession**

Students are allowed railway fare concession during vacations only for travelling to their hometown. Railway concession forms may be obtained from the College's Administration Office. Students must inform the office about any change in hometown address by an application countersigned by their parents. Airlines fare concessions are available for travelling to any place within the country. You may obtain the forms from the airlines office.

SCHOLARSHIPS

Scholarships and Financial Aid

The college provides requisite scholarships and financial aid to genuinely needy students. Students requiring financial assistance may approach the Administrative Officer and complete the formalities.

1. SRCC Student's Union Scholarships

- (i) Two need-cum-merit scholarships of Rs. 12,000 each per annum for students of second year.
- (ii) The scholarships will be awarded to the students of B.Com. (Hons.) and B.A. (Hons.) Economics.
- (iii) The family Income of the student should not exceed Rs. 6,00,000 per annum.

2. SRCC Alumni Association Scholarship

- (i) One need-cum-merit scholarship of Rs. 12,000 per annum for a student of B.Com. (Hons.) or B.A. (Hons.) Economics in the first year.
- (ii) The scholarship will continue in the second and third year, provided the student maintains on an average at least 60% marks in the preceding two semester examinations.
- (iii) The family Income of the student should not exceed Rs. 6,00,000 per annum.

3. Sultan Chand Trust Scholarship

- (i) Two scholarships of Rs. 12,000 each per annum for toppers of first year and second year of B.Com. (Hons.). The scholarships will be awarded to the topper only, even if he/she has been awarded some other scholarship(s).
- (ii) These scholarships are for second year and third year students only.

4. Mitsubishi UFJ Foundation Scholarship

- (i) Mitsubishi UFJ Foundation (Japan) awards a scholarship of US \$420 each to 12 undergraduate students.
- (ii) The scholarship will be awarded to first, second and third year students.
- (iii) There will be three students from B. Com. (Hons.) and one student from B.A. (Hons.) Economics from each of the three years.
- (iv) The scholarships will be awarded on the basis of 75% weightage to marks obtained in the previous examinations and 25% weightage to performance in the interview.
- (v) The scholarships will be awarded to the students even if they have been awarded some other scholarship(s).
- (vi) The scholarships will be given to the students on the basis of merit.

5. Envision Scholarship

- (i) One scholarship of Rs. 18,000 per annum to a student of third year B.Com. (Hons.) for securing the highest marks in the second year.
In case of a tie between students, it will be awarded to one who has secured higher aggregate marks in the preceding qualifying University Examination.

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- (ii) The scholarship will be given to the topper even if he/she has been awarded some other scholarship(s).

6. M.C. Shukla Scholarship

- (i) Two need-cum-merit scholarships of Rs. 12,000 each per annum are available for B.Com. (Hons.) second year students who have secured on an average at least 65% marks in the previous two semester examinations, and have minimum of 75% attendance in the previous year.
- (ii) The family Income of the student should not exceed Rs. 6,00,000 per annum.
- (iii) Merit and need have equal weightage.

7. T. S. Grewal Scholarship

- (i) One need-cum-merit scholarship of Rs. 12,000 per annum is awarded to a B.Com. (Hons.) second year student who has secured on an average at least 65% marks in the previous two semester examinations.
- (ii) Merit and need have equal weightage.
- (iii) The family income of the student should not exceed Rs. 6,00,000 per annum.
- (iv) The scholarship is funded from the corpus provided by Shri S. N. P. Punj.

8. Kanwar Lal Memorial Scholarship

- (i) One need-cum-merit scholarship of Rs. 12,000 per annum is awarded to a student of B.Com. (Hons.) or B.A. (Hons.) Economics.
- (ii) The scholarship will be awarded to a student of B.Com (H) or B.A (H) Economics who secures 60% or more marks in Business Communication or Compulsory Language (English) paper.
- (iii) Merit and need have equal weightage.
- (iv) The family Income of the student should not exceed Rs. 6,00,000 Per Annum.

9. C. B. Gupta Memorial Scholarship

- (i) One need-cum-merit scholarship of Rs. 12,000 per annum is awarded to a first year student of B.Com. (Hons.).
- (ii) The family Income of the student should not exceed Rs. 6,00,000 per annum.

10. Prem Handa Memorial Scholarship

- (i) One scholarship of Rs. 12,000 per annum is awarded to a third year student of B.Com. (Hons.) on need basis.
- (ii) The family Income of the student should not exceed Rs. 6,00,000 per annum.

11. Pt. Kanahya Lal Dayawanti Punj Scholarship

- (i) One scholarship of Rs. 12,000 per annum is awarded to a second year student of B.Com (Hons.) on need basis.
- (ii) The family income of the student should not exceed Rs. 6,00,000 per annum.

12. Manoj Kumar Memorial Scholarship

- (i) One need-cum-merit scholarship of Rs.12,000 is awarded to a second year student of B.Com (Hons.).

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- (ii) Merit will be determined by qualifying marks of 60% in the subjects Introductory Microeconomics in Semester I and Introductory Macroeconomics in Semester II.
 - (iii) Merit and need have equal weightage.
 - (iv) The family Income of the student should not exceed Rs. 6,00,000 per annum.

13. Need Based College Scholarship

- (i) Scholarships of Rs. 12,000 per annum are awarded to the economically needy students of B.Com. (H), B.A. (H) Eco. and M.Com.
- (ii) The family Income of the student should not exceed Rs. 6,00,000 per annum.

14. Scholarship for Scheduled Caste/Scheduled Tribe/OBC

Two scholarships, namely Post-metric scholarship for SC/OBC and merit Scholarship for College/Technical/Professional institutions for SC/ST/OBC/Minority bonafide students (belonging to Delhi), are awarded by the Directorate of Education, Government of NCT, Delhi on receipt of completed applications submitted through the college. The eligible students should submit their scholarship forms along with the attested copies of documents as per the notification/advertisement published by Delhi Government in leading newspapers in the month of August-September every year.

15. All India Entrance Scholarship

The University holds a competitive examination in the month of October every year for the award of 50 All India Entrance Scholarships of Rs. 250 per month, tenable for three years, for pursuing a course of study for an Honours Degree in this University.

The last date for receipt of application is September 1st of every year. Details may be obtained from the College Office or from University on any working day between 9:30 a.m. and 12:30 p.m.

16. Neeru Singh and Analjit Singh Scholarship

- (i) One need-cum-merit scholarship of Rs. 12,000 per annum is awarded to a first year student of B.Com. (H)/B.A. (H) Economics who scores 85% or more marks in 12th standard.
- (ii) The awardee will continue to get scholarship through his/her stay in the college, provided he/she scores 60% or more marks in the preceding two semester exams taken together.
- (iii) Merit and need have equal weightage.
- (iv) For a more egalitarian distribution of the scholarship funds, the first year student shall be chosen in rotation – general category in the year of institution (2015), OBC (2016), PWD/SC/ST (2017). This pattern is to be continued thereafter.
- (v) Annual family income should not exceed Rs. 6,00,000 per annum.

17. Aabhaas Hajela Memorial Scholarship

- (i) A scholarship of ₹ 25,000 p.a. has been instituted in the memory of Aabhaas

Hajela, a former student of the college from the PwD category, by his father Mr. Vivek Hajela.

(ii) Eligibility Criteria:-

- a. Student must be admitted to the B. Com. (H) course under the PwD category.
- b. Scholarship is to be awarded to the overall topper of I, II, III, IV semesters to a student studying in Vth Semester.
- c. In case of a tie in the result, the best 4 marks of class XIIth should be considered.

MEDALS & PRIZES

Academic Gold Medals

1. Prem Pandhi Gold Medal is awarded to best post graduate student to be judged on the basis of overall performance of student in academics, attendance, conduct, participation and credits/awards in extra-curricular activities and sports activities in the first two semesters of postgraduate diploma in Global Business Operations. The weightage is as follows:

Academics	50%
Attendance	20%
Conduct and Participation in extra-curricular activities	20%
Sports	10%

2. Kamla Mehrotra Gold Medals awarded to B.Com. (Hons.) overall topper.
3. Tejpal Aggarwal Gold Medals awarded to B.Com. (Hons.) first year topper.
4. Arun Chachra Memorial Gold Medals awarded to a student of B.A. (Hons.) Economics overall topper.
5. Dr. Charat Ram Gold Medal awarded to B.A. (Hons.) Economics second year topper.
6. Shri G. L. Bansal Gold Medal awarded to B.A. (Hons.) Economics first year topper.
7. Professor V.K. Bhalla Gold Medal is awarded to the topper of the Financial Management Paper.
8. Shri P. D. Kohli Memorial Gold Medal for GBO awarded to the overall topper of I, II, III, IVth semester.

Other Medals

1. Principal Jai Narayan Vaish Memorial Medals are awarded to those students who secure first position in B.Com. (Hons.) and M.Com. in the college at the graduate and post graduate examination respectively and have consistently obtained first division marks in all examinations.
2. Kumari Archana Agrawal Memorial Medal and Cash Prize are awarded to a girl student of B.Com. (Hons.) who secures the highest percentage of marks in all the years taken together and has cleared these examinations in the first attempt.
3. R. L. Gupta Medal awarded to a student of B.Com. (Hons.) III year who secures highest marks in aggregate in Financial Accounting and Corporate Accounting and has consistently obtained first division marks in B.Com. (Hons.) I and II year examinations.
4. Suniti Goyal Medal is awarded to the final year topper of B.A. (Hons.) Economics.

Medals for Extra Curricular Activities

1. Hora Medal is awarded to a student of final year of B.Com. (Hons.) or B.A. (Hons.) Economics or M.Com. or M.A. Economics for outstanding participation and organization of extra-curricular activities in the college during all the years. The criteria/weightage for award of medal is as under:

Organizing Ability	60%
Leadership Quality	20%
Active Participation in various extra-curricular activities	20%

2. Dhani Ram Medal is awarded to the best debaters of the year: one in Hindi and one in English. The medals will be awarded to any student, who has to his/her credit maximum active participation in debating during the year, provided that no student shall be awarded medal more than once.

Best debater will be decided on the basis of the following criteria:

Prize	Weightage in College Function	Weightage in Inter-College Function
1 st Prize	10%	40%
2 nd Prize	5%	20%
3 rd Prize	2%	10%
Consolation Prize or Sharing a Trophy	2%	5%
Participation	1%	5%

3. Principal Madan Mohan Medal is awarded to a student who has to his/her credit maximum active participation in extra-curricular activities during the year.

The participation in extra-curricular events may include debates, public speaking, essay writing, seminar and symposia presentation, conference papers, music, dancing, drawing, painting, sculpture and other fine arts, exhibition of photography, painting etc., plays, mono-acting performance, computer games, quiz competition, co-ordination with corporate for campus recruitment, organization of campus recruitment process, international programmes, case study competition, simulation exercise, etc.

4. Social Service Medal is awarded to the best social worker of the college for the year.
5. Special award is given by the Principal to a differently-abled student from Third Year of B.Com. (Hons.) and B.A. (Hons.) Economics, M.Com. Final or G.B.O Semester Four.

Academic Prizes

1. There are three prizes in the I, II and III Year classes of B.Com. (Hons.) and three prizes in the I, II and III Year classes of B.A.(Hons.) Economics. Likewise, there are two prizes in Year I and Year II of M.Com. and Post Graduate Diploma in Global Business Operations.
2. Skand Gupta Memorial Prize is given to a student of B.A. (Hons.) Economics II year who scores highest marks in the Compulsory Language (English) Credit Course paper in the preceding year.

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3. Manohar Lal Memorial Prize is awarded to a student of B.A. (Hons.) Economics II and III year or B.Com. (Hons.) III year who has scored the highest marks in Hindi in the preceding year in the credit course paper.
 4. Master Akshat Ramesh Gupta Memorial Prize is given to a male student who scores highest aggregate marks during three years of B.Com. (Hons.).

LIBRARY

The College has a well-stocked up-to-date library containing more than eighty-one thousand books and subscribing to eighty international and national journals. The reading room can accommodate around three hundred students. The Library follows the Dewey Decimal System of classification. There is a computerized catalogue i.e Online Public Access Catalogue (OPAC), internet facility and online search services. The library is fully-automated with RFID Technology and is open for its members on all working days. Library is in the process to acquire Eviews-10 and N-List (INFLIBNET) for enhancing the academic and research infrastructure of the college. Library is also equipped with the Resource center to cater to the needs of differently-abled students. To become a borrowing member of the library, you must show your fee slip, bring one passport-size photograph and fill in the prescribed form obtainable from the circulation (issue/return) counter.

The students should follow certain rules and instructions in order to get best out of the Library:

1. The arrangement of the books (whether in the stack rooms, reserved sections) should never be disturbed. Once a book has been removed from the shelves, it should be left lying on the nearby tables. The library staff will put the book in its proper place. Please remember that a misplaced book in the library is just like a book lost.
2. If you are not able to find/trace what you are looking for, the library staff will help you.
3. Books issued should never be marked, torn or tampered with. They still have to be read by many people.

Besides this, certain Do's and Don'ts need to be observed by students:

Do's:

1. Seek the help of library staff if you are not able to locate/trace any book or reading material you are looking for. Each section is assigned to a library staff who can be contacted for help.
2. Library has RFID technology. Library Kiosk can be used to locate the desired item.
3. At the time of taking possession of any book or reading material, check and ensure that the same is in proper condition. Any abnormality must be reported to the counter assistant immediately.
4. Stand in queue while issuing or returning books.
5. Observe absolute SILENCE in the library.

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6. Return issued books on time. If you need a book urgently, do reserve it in your name. You can get such books as soon as it is returned to the library.

Dont's:

1. Users should not mark or write on the reading materials, nor temper/deface/mutilate it in any form.
2. Users are not allowed to bring bags inside the library. All bags must be deposited at the Property Counter located at the entrance of the library, and collect the same while returning.
3. You should not use others' library card as library cards are Non-transferable.
4. Do not insert pencils or notebooks between the pages of a book, especially when closing it.
5. Users are not allowed to take any book or reading material out of the library without getting it issued.
6. Users should not speak or read loudly. Gossiping, sleeping and chatting are not permitted.
7. Eatables, drinks, etc. are not allowed in the Library.
8. Do not use mobile phone in the library.

Property Counter

As members are not allowed to bring any book, magazine etc. inside the library premises there is a Property Counter to keep these. Before entering the Library, members should deposit their belongings at the Property Counter at their own risk. Cash or other costly items should not be kept in the bags deposited at the counter.

The person at the Library Gate is deputed to check that:

1. No outsider enters the library without the permission of the Librarian or the Principal.
2. No personal belongings (bags etc.) are taken inside the library.
3. No book or periodical goes out without an entry in the library record.

The students are requested to cooperate with the library staff in checking because the person at the library gate is only performing his/her duty.

Library Card

1. All the students admitted to the College should apply on a prescribed form and are issued Library card at the time of their admission. The Card entitles them to avail all the library facilities.
2. The library card identifies that its bearer is a bonafide member of the library.
3. Please carry the library card always with you.
4. The library card should be kept carefully. If it is lost, a duplicate card will be issued at the discretion of the college authorities after establishing the complete identification and genuineness of the student.
5. It should not be handed over to anybody, as it may be misused. The owner is responsible for the consequences thereupon.

On-Line Public Access Catalogue (OPAC)

Library is fully automated. Two computer terminals are placed in the library on ground floor near circulation counter. Users can search their documents/books in

library database on these computers.

Arrangement of Books

To ensure the proper use of books, these have been arranged in a logical order according to the Dewey Decimal Classification Scheme. Books are placed on the shelves from left to right across a shelf, then down to the next shelf and across left to right and so on.

The books which are in constant demand such as Text Books, Reference Books etc. are placed separately to facilitate easy access to these books. This technique is adopted to facilitate easy, early search and also to save time.

Dictionaries

Dictionaries concerning the respective subject are placed in reference section so that the reader may consult them whenever he/she feels the need.

Resource Sharing (ILL)

The library has E-mail facility and online search service. We are in the process of acquiring a software package which will completely revolutionize the way we access the books from the catalogue. Library is an active member of Developing Library Network (DELNET).

RFID (Radio Frequency Identification)

Library has been technically upgraded with the installation of RFID. It will serve the hardware and software used in the library on a long term basis. It is technologically equipped to provide various features like RFID tags, RFID smart card system, self check out station, RFID security gate, RFID book drop, self-management system, portable Wi-Fi handled reader. This will ensure the smooth functioning of the library through automation of various procedures.

Journals & Periodicals Available:

Periodicals

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| 1. Accountancy | 11. Chartered Accountant (M) |
| 2. American Economic Review | 12. The Economist |
| 3. Accounting Review | 13. Journal of Accountancy |
| 4. Harvard Business Review | 14. Vikalpa |
| 5. Journal of Economic Perspective | 15. Kurukshetra |
| 6. Journal of Economic Literature | 16. Organization Dynamics |
| 7. Journal of FinanceMagazines | 17. IndraprasthBharti |
| 8. Academy of Management journal | 18. SahityaAmrit |
| 9. Review of Professional Management | 19. Gagnanchal |
| 10. American Economic Journal: Economic Policy | |

Magazines

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| 1. Competition Success Review | 15. The Week |
| 2. Business India | 16. Chronicle |
| 3. Business World | 17. Aajkal (Hindi) |
| 4. Business Today | 18. Outlook |
| 5. Dalal Street | 19. Digit |

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| 6. Employment News | 20. Sahitya Amrit (Hindi) |
| 7. Frontline | 21. Gyanodya (Hindi) |
| 8. India Today (English) | 22. Panchjanya (Hindi) |
| 9. Kadambani (Hindi) | 23. Chankya |
| 10. Mainstream | 24. Pratiyogita Darpan |
| 11. Time | 25. Samanya Gyan Darpan (Hindi) |
| 12. Reader's Digest | 26. P. C. Quest |
| 13. Yojana (English) | 27. Abhigyan |
| 14. Sport Star | |

News Papers

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| 1. Business Line | 10. The Asian Age |
| 2. Hindustan (H) | 11. Pioneer |
| 3. Business Standard | 12. The Statesman |
| 4. The Economic Times | 13. The Times of India |
| 5. Financial Express | 14. Tribune |
| 6. The Hindu | 15. Mint |
| 7. The HindustanTimes | 16. Deccan Herald |
| 8. The Indian Express | 17. Mail Today |
| 9. Nav Bharat Times (H) | 18. Dainik Jagran (H) |

Online Publications

Economic and Political Weekly

Economic Outlook

CDs

Library is also having captivating collections of about 500 CDs at the first floor of the library. Users willing to be benefited can approach the person in-charge Periodical Section.

Online Data Base Prowess IQ - (For Financial Performance Data of Companies)

SRCC Library has subscribed Prowess IQ or Prowess for Interactive Querying. It is a powerful internet-based application for querying CMIE's database on performances of listed and unlisted companies. It is simple and easy to use. Prowess IQ provides charting tools and well-formatted reports on performances of companies. The reports provide financial information including analytical ratios and benchmark comparisons. Downloads of source documents interim results, ratings rationales and annual report extracts are part of the service. As far as installation is concerned, it can be installed on any computer with Windows. The beauty of the database is that it keeps on adding new features.

OTHER RULES AND REGULATION OF THE COLLEGE LIBRARY

Library is a public institution, so all the facilities in the library must be available to all the members. This is possible only if all its members religiously adhere to the library rules as prescribed by the authorities. The observance of rules not only facilitates the smooth functioning of the library but also helps its members to avail all the services and facilities to their utmost satisfaction.

Rules for Students

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1. The College Library remains open on all working days. Students may draw books after showing the card issued to them by the college. Loss of library card should be immediately reported to the Librarian along with a copy of Police FIR. A duplicate card may be obtained on payment of Rs. 250.
 2. Borrowers must see that the books drawn by them are not spoiled, marked or otherwise mutilated. Reference books shall not be issued to students.
 3. The student will get four books at a time against the Library card. The books from the stack room are issued for 7 days only. The overdue charges will be Rs. 5 per day per volume.
 4. Books lost or damaged shall have to be replaced or its double price shall be charged from the borrower as per the library rules.
 5. Readers and borrowers shall not write or put any mark upon any book, periodical, map or any other material belonging to the library. Infringement of this rule may invite severe penalty including replacement of the book.
 6. Students should get their bags etc. checked at the entrance and deposit their gate pass with the library official before they leave the library.
 7. Back issues of current magazines may be issued to the faculty members only. These are issued by the Periodical in-charge or the Reading Room in-charge for a period of not more than 7 days. The latest issues of magazines etc. will not be allowed to be taken out.

Rules for Ex-Students

Ex-students may apply for the membership. It should be recommended by any one of the faculty members. They are allowed to use the reading hall & facility only.

General

1. The library is open to the college students and members only.
2. The librarian has the discretion to refuse admission.
3. The librarian has the discretion to demand the return of any book to library at any time.
4. Nobody will be permitted to bring umbrella, stick, bag, brief case, etc. into the library.
5. Students must carry their identity cards with them whenever they enter the college library. They can be refused admission to the library or can be turned out of the library if they fail to produce their identity cards on demand.
6. Any misuse of the library privileges will be considered as a serious breach of discipline and the Principal can take any action as is necessary after consulting the librarian.
7. Students are expected to read the notices issued by the librarian from time to time. Ignorance is no excuse.
8. Students must arrange for the return of the books on time.

Clearance Certificate: Library cards are the property of the College Library and these are to be surrendered. Dues, if any, have to be paid and a clearance certificate has to be obtained before a member discontinues his/her membership, or applies for character certificate/marksheet/degree, or terminates connection with the College.

Refund of Library Security Deposit: Students can apply for refund of security deposit after cancellation of admission or after the declaration of their respective result

COMPUTER CENTRE / LABS

The College has a well-equipped Computer Centre with the latest updates in software and hardware. Two computer labs act as computer classrooms. The University's optical fibre lease line is available and connects the College round the clock to the University's main campus. The College has undertaken further development and expansion of the Computer Centre keeping in mind the changes in technology and requirements of business and industry. The SRCC Computer Centre is among the best in the University and caters to both undergraduate and postgraduate students.

Rules for the use of Computer Center / Labs

General Guidelines

1. Food and drinks are not allowed inside the Centre/Labs.
2. Do not stay in the lab if you have no work.
3. Do not make noise in the computer center/labs.
4. Please help in keeping the lab clean.
5. Please switch off the monitor if you are not using the machine.
6. Playing games on computers is not permitted.
7. Do not disturb the system settings of a given machine.
8. Do not touch or mishandle any object, e.g. computer hardware, ACs, etc.
9. Users are not allowed to download and install any arbitrary software. Permission should be sought before downloading and installing any software (executable programs).

Computer Center Classes

1. Do not enter a lab while a computer class is going on inside the lab.
2. Please make the lab available immediately as soon as you are told that a class is to take place.
3. In spite of terminals being available, do not enter a lab while a class is going on.

Use of Internet

1. Please make a judicious use of Internet only for academic purposes.
2. Allow other users to use computing facilities in case of overload of users.
3. Chatting is not allowed.
4. Checking your mails all day is not encouraged.

Disposal of Waste Paper

1. Please throw your waste paper obtained after printing in a paper bin. Do not leave paper around in the lab.

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2. If you find that a paper can be used later as it has one side available, please put that in tray for one sided papers.
 3. Please cross mark the side of the paper that is not to be used in future.

Virus-Scan

Please scan your pen drives, CDs or any other memory device to check the presence of any virus before using computers in the computer centre.

OTHER HIGHLIGHTS

- **Stakeholders' Feedback Mechanism**

The College actively engages and promotes stakeholders' participation through its appropriate feedback mechanism. Feedback in the form of suggestions, queries and complaints from students and stakeholders are highly encouraged through official website and various suggestions boxes set up in the campus. A special complaint box has also been set up outside the IQAC office in the College where students can share anonymous feedback.

- **Industry Academia Interaction**

The College actively encourages a close interaction between what is taught in the class and how that knowledge is applied in the corporate world. This meeting ground of theory and practice is made possible by our students being exposed to industry personalities with whom they can interact and understand the application of theoretical knowledge.

- **National Center for Corporate Governance**

The College has been accorded the status of 'National Centre in Corporate Governance' by the National Foundation for Corporate Governance, Ministry of Corporate Affairs, Government of India. SRCC is the only College of the University of Delhi which has been conferred with this status. The Centre conducts research, workshops and conferences to build and disseminate knowledge in the area of Corporate Governance.

- **Office of International Programmes**

Upholding the vision of Shri Ram College of Commerce to be "A College of Global Choice", the Office of International Programmes(OIP) creates and expands international synergies with acclaimed global universities and international institutions through cross-cultural and academic exchange programmes. OIP facilitates various incoming and outgoing programmes, which include-Lecture sessions, Workshops, Case study Competitions, Panel discussions ,Business visits and Project work. There have been various Collaborative Programmes and sessions with Melbourne Business School, Australian National University, Australia, Utrecht Business School, The Netherlands; University of Wisconsin, Eau Claire; MCNY, New York; Pennsylvania State University, SVSU Michigan, University of Chicago, Harvard USA India Initiative, Rochester University,USA; MDX University, Dubai; Hongkong Univeristy,Nanyang Business School, Singapore; Kathmandu University, Tribhuvan University, Nepal; Colombo University, Srilanka.

OIP was successful in facilitating Memorandums of Understanding (MoU) with

Kelaniya University, Sri Lanka; Melbourne Business School, Australia; Thammasat University, Bangkok; Gedu College of Business Studies, Bhutan and Kathmandu University School of Management, Nepal during 2017-19.

The flagship programme initiated by OIP- SRCC India-USA Initiative 2016 (SIUI), covered 6 cities and 15 institutions in 14 days including Harvard University, Stern School of Business, Columbia University, Security Council in United Nations & the Indian Consulate in New York, USA.

OIP organized first of its kind, the Global Millennium Summit 2017(GMS) in Dubai at Marriot, Al Jaddaf on the theme, 'Future of the Millennium" with participation of 200 delegates from 20 plus countries. It was inaugurated by H.E Sheikh Nahayan, Ministers of Culture & Knowledge from UAE and Mr Vijay Goel , Minister of Youth from India.

OIP organized, in collaboration with NITI Aayog, an International Conference on July 16&17, 2019, on, "Empowering Women-Fostering entrepreneurship, innovation and sustainability" at India International Centre. It was inaugurated by the honourable Vice President of India, Shri Venkaiah Naidu & Hon. Lt Governor, Ms Kiran Bedi. The panelist included eminent personalities including Ambassadors of various countries. The Conference included research paper presentations, Panel discussions and Student competitions with participants from about 17 states in India and 17 countries from across the globe.

An *International Conference* on 18-19 October, 2019 "Globalization, Trade and Economic Policy: Way Towards Achieving Sustainable Development" was jointly organized by Kyung Hee University (South Korea), KOMYRA (South Korea), Yangon University of Economics (Myanmar) and Office of International Programmes (OIP), Shri Ram College of Commerce (India) in Seoul, South Korea which also facilitated signing of an MoU between Shri Ram College of Commerce and Kyung Hee University (KHU), Seoul in the August presence of the honorable Ambassador of India to the Republic of Korea, H. E. Sripriya Ranganathan.

In 2020, OIP-SRCC in collaboration with FICCI undertook a 52 week initiative, FICCI Global Youth Entrepreneurship & Industry Connect (FGYEIC) to promote the spirit of entrepreneurship among youth by organizing weekly webinars (now online due to Covid19) and providing a platform to students globally to participate and get inspired from successful entrepreneurs.

OIP collaborates with Ministries(GoI) viz. Ministry of Youth Affairs, Ministry of Culture, Ministry of Commerce, and Ministry of External Affairs for various programmes to provide financial assistance to deserving candidates. OIP has also facilitated Dialogues & Interactions with International Institutions viz. International Cooperative Alliance Asia-Pacific (ICA-AP), United Nations Development Programme, Delhi (UNDP), World Bank, Delhi; UNESCO, Paris & United Nations in New York.

OIP also releases its annual magazine, Global Conflux on the occasion of annual day every year.

For more information:

<http://www.srcc.edu/office-international-programmes-oip>

<https://www.facebook.com/oipsrcc/>

OIP Annual Magazine- Global Conflux :

<https://www.srcc.edu/sites/default/files/Global%20Conflux%202018%20.pdf>

For queries write to: oip@srcc.du.ac.in / drmallika.kumar@srcc.du.ac.in

- **Shri Ram Centre for Personal Growth**

Shri Ram Centre for Personal Growth has been started to cater to the needs of students of SRCC for their academic growth and employability. It aims at bringing about a broader and deeper growth in the total skill sets of students. The sessions on various issues are conducted in the college premises by the faculty from college and outside. Remedial classes for B.Com. (Hons.) and B.A. (Hons.) Economics are organized in the required subjects. The aim is to induce concept clarity in students and to train them for examinations.

- **Counselling Services**

In consonance with its mission of achieving and sustaining excellence the college stands committed towards the emotional and psychological wellbeing of its various stakeholders along with guidance on career related issues, the college in collaboration with YourDOST, a comprehensive counselling service provider, extends its behavioural and career counselling services free of cost to its stakeholders.

The counselling service is available to students, faculty members and members of the non-teaching staff. To ensure its greater reach, the service is available in both face-to-face and online platforms. Currently, the service is available:

a) 24x7 Online Service Counselling (accessible to all the stakeholders of SRCC);

b) Face- to-Face counselling sessions, in which counsellors visit the college thrice a week (via. video conferencing during pandemic) (sessions being held in T-52, research and tutorial block) and;

c) Career counselling, once in a month in the College premises (through webinars and workshops conducted online during pandemic).

SRCC Counselling Services has been first of its kind initiative across Delhi University Colleges; it has been very well recognised initiative amongst all its stakeholders.

- **IQAC (Internal Quality Assurance Cell)**

With a vision to build and ensure a quality culture aimed at all round excellence at the institutional level, the Internal Quality Assurance Cell (IQAC) has been established in the College. It organizes regular capacity building programmes for all the stakeholders of the College. It has also formed a Student Quality Assurance Cell (SQAC). It ensures quality in teaching through continuous evaluation. It follows a 360 degree feedback mechanism to quality sustenance and enhancement. Feedback is invited from stakeholders like parents, students and alumni. IQAC has conducted a workshop on the enhancement of quality in teaching and research.

- **Centre for Green Initiatives**

As a proactive institution concerned with the conservation of the environment, Centre for Green Initiatives functions in the College. With the objective of generating awareness and promoting environmental care at the community level, the Centre directly engages students and faculty to work towards the creation of a pervasive atmosphere facilitating dialogue, action and feedback on environmental issues. The Centre conducts seminars, activities and research to integrate and adopt better environmental practices in the society. Some of the initiatives taken by the Centre include Carbon Footprint Calculator Desk, Water and Energy Conservation, Green Audit; Carpooling, Plantations, Green Memorations and Green ride. It has organized “TATVA”, the green festival celebrating Mother Nature. It annually publishes “AVNI”, a student-teacher initiated magazine that provides a creative avenue to environmental care. The Centre collaborated with feedback foundation charitable trust for solid waste management project that aims to transform SRCC premises into No Open Waste (NOW) zone. The project strives for holistic management of solid waste comprising dry, wet and hazardous bio-medical waste.

- **Kutumb: North-Eastern and Himalayan Nations Integration Society**

This North-Eastern Himalayan states society aims to instill cultural sensitivity among students, college staff and other participants by educating them about the unique cultures, customs and the varied heritage of the Himalayan belt.

- **Equal Opportunity Cell**

The College also has an Equal Opportunity Cell to oversee the effective implementation of policies and programs for disadvantaged groups and to provide guidance and counseling with respect to academic, financial, social and other matters with an objective of ensuring diversity within the campus.

- **Women Development Cell**

Women Development Cell (WDC) of SRCC is a platform for initiating efforts in the direction of pressing social issues related to women. The WDC takes various initiatives to enhance consciousness of gender equality and empowerment amongst young minds in the College.

- **Enabling Unit**

The College has resource center for Visually Challenged students with sitting capacity of around 8-9 students, located in the library. It is well equipped with modern hardware [ClearView + Speech, ClearView One, OCR (Optical Character Recognition), Talking Notice Board, Zuyfuse Heater, Scanner Listener Pro]; and up-to-date Braille software [JAWS, Dolphin Supernova, Dolphin SaySo] for magnifying and reading content.

- **Internal Complaints Committees**

Sexual harassment at workplace is a widespread problem in the society and atrocities against women is common everywhere. In view of this growing problem, the Internal Complaints Committee (ICC) of the College has taken steps to sensitize and empower girls and enlighten them with various policies and measures as well as provide effective redressal machinery to the students. The ICC has been educating and guiding students about the statutory provisions for prohibition and prevention

of sexual harassment and creating awareness on the subject through seminars and instructional means.

- **Workshops, Conferences and Events**

The College organizes various national and international conferences, workshops and talks on a regular basis by inviting eminent speakers from academia as well as industry to provide students and faculty members with a platform for intellectual interaction and development. The institution has always followed a multi-faceted approach towards development of scientific temper, research culture and aptitude among its students.

- **National Colloquium**

The College has been organizing the annual National Colloquium for the past several years at the Vigyan Bhawan/India Habitat Centre, New Delhi, where top industrialists, academicians, economists and representatives of the government deliver lectures on a wide range of aspects about business, economics and industry.

- **Sir Shri Ram Memorial Debate Trophy**

The Trophy was initiated during the Golden Jubilee of the College. In all these years, it has become one of the most sought after trophies in the University. Sir Shri Ram Memorial Trophy attracts participants from different colleges and departments of the University of Delhi. The debate is bilingual, is held in alternate years and comes with silver rotating trophy and cash prizes.

- **Centre for Professional Development (CPD)**

The CPD functions for development of skills and professional expertise in a spectrum of areas for students and faculty. It provides an excellent platform for students and faculty members to enhance their skills and professional expertise in various academic fields, through short term courses and programs focusing on dynamic management landscape. The Centre conducts workshops like Tax Workshop, courses on Supply Chain Management and Advanced Excel, Personality Development workshop, etc. to name a few.

- **Center for Innovation, Incubation and Entrepreneurship (CIIE)**

The College has started a center for startups called 'Center for Innovation, Incubation and Entrepreneurship'. CIIE is a student-led centre comprising of SRCC faculty, alumni, industry experts and like-minded organizations to foster an ecosystem of synergized efforts towards academic and business initiatives. It aims to create an environment that promotes and stimulates the spirit of entrepreneurship among the students of the college. It provides mentoring and fundraising support to the ventures virtually and physically in various ways to help them succeed.

- **Centre for Community Engagement (Financial Literacy Cell)- Vitshala**

The College has set up the Centre for Community Engagement (CCE) to work proactively with the communities on major development issues. The Centre has launched a Financial Education Programme to promote financial literacy and to enhance the knowledge and skills to manage financial resources and services effectively amongst students and other community stakeholders.

Vitshala is a Centre for Community Engagement (CCE) initiative, aimed at making

communities equipped enough to manage financial resources effectively through community engagement, workshops, seminars, and discussions. Vittshala, in its initial phase, has undertaken the projects like, Project Khushhal; Project Sashakt; Project Samarth; Project Utthaan.

- **Business Analyst: The Academic Journal of SRCC**

'Business Analyst' is a bi-annual academic journal of the college published in the months of March and September every year. It is a refereed and reviewed journal having an esteemed review panel specializing in their area of expertise with some of them heading top most institutions in the country. The journal endeavors to disseminate knowledge in the area of business, economics and management. It aims at promoting research in these areas and encourages empirical and inductive writings. The journal is catalogued in the "Library of Congress", Washington, D.C. It is listed in Ulrich's International Periodicals Directory and is included in the UGC-approved List of Journals.

- **Magazine: Yamuna**

The student's magazine Yamuna is brought out annually. In its eighty eighth year of publication, it continues to provide students with a powerful medium for expressing their creativity in Hindi and English.

- **Strides – A Students' Journal of Shri Ram College of Commerce**

The College has launched a new Journal named 'STRIDES' – A Students' Journal of Shri Ram College of Commerce' to encourage students for research in the college. It is an annual journal exclusively launched to publish academic research papers and articles of students on contemporary topics and issues.

- **Other Publications**

Other than college magazine and journal, the student's societies come up with various publications like Prerna, Artha, Global Conflex, Avni, and Playoff.

- **Centre for Academic Excellence**

The college has a special scheme for financial support wherein students can apply for grants for participating and presenting papers in Seminars/Workshops/Training Programme/Debate/Youth Leadership Programmes and participation in the Field Trips/Industrial Visits/Educational Visits at local, national and international level.

Procedure for dealing with applications for Financial Assistance under 'CENTRE FOR ACADEMIC EXCELLENCE'

1. Application (Format A) should be submitted with the Dealing Assistant at the Administrative Office.
2. Application should be entered in a Prescribed Register by the DA (Format B). A Registration Number will be given by the D.A. to the applicant.
3. DA will verify the eligibility of the applicant from his/her Ledger Account, ensure that relevant documents are submitted, and that the documents are complete in all respects. The AO/SO Admin will verify the facts and countersign the application. In case documents are incomplete or applicant is not eligible his/her application should be returned citing reason (Format F).
4. All papers complete in all respects will be forwarded to the PO with a summary in a prescribed format (Format C) once in every three months (30th Sept, 31st Dec.,

31st March and 30th June) or even earlier in case more than 10 applications are received before three months.

5. The PO will make arrangement for convening the meeting of the Committee for formalizing the approval and disposal of applications.

6. After the approval of the Committee the papers will be send to the Administration for recording in Ledger for Programme-wise-Assistance (Format E).

7. After recording in register the Administrative Office will send Applications to the Accounts Office for releasing Financial Assistance to the beneficiary. The Administration will inform the beneficiary that the Financial Assistance has been granted, and for reimbursement he/she may contact to the Accounts office. In case Financial Assistance has been disapproved the information for the same should be send to the applicant citing reasons, if given by the Committee (Format G). This should be done through emails or notices also.

8. Accounts Section will maintain a register for Reimbursement Date-wise & Account- wise.

9. The applications approved under the scheme shall be audited by internal auditor.

CONSTITUTION OF THE STUDENTS' UNION & SOCIETIES

Students' Union

For the purpose of drafting the Constitution of the Students' Union, its Name and Objects, there shall be an Association called 'The Students' Union, Shri Ram College of Commerce", to foster social and intellectual activities among the students of the college; to develop in them power of expression and public speaking; and to impart them training in the working of democratic and parliamentary institutions.

Membership

1. All students of the college shall be members of the Students' Union.
2. Members of the Teaching Staff shall be ex-officio honorary members (without voting rights) of the Students' Union.

These two together, assembled in a meeting, will constitute the General Assembly of the Students 'Union.

Management

The affairs of the Students' Union shall be managed by an elected President and an elected Secretary with the aid and advice of a Cabinet, appointed by the Teacher-in-Charge, in consultation with the President and the Secretary. The Teacher-in-Charge will also function as Speaker of the House.

All the office-bearers shall be responsible to the General Assembly, subject to the ultimate control of the Principal.

The Tribunal

The Principal shall appoint, at the beginning of each Session, a Tribunal, consisting of three members of the Teaching Staff, one of whom shall be the Teacher-in-Charge, who shall also be its Convenor. The Tribunal shall decide all questions pertaining to the interpretation of the Constitution or any other matter that may be referred to it by the Teacher-in-Charge or the Principal.

The President and the Secretary

The President and the Secretary shall be elected by the general body of bonafide students of the college as early as possible in the beginning of the academic year, from amongst the candidates approved by the Tribunal. They shall act under the guidance of the Teacher-in-Charge.

The eligibility for contesting elections and other terms and conditions will be governed by recommendations of the Lyngdoh Committee.

The Cabinet

The Cabinet shall consist of the following members:

1. **President:** He/She will be the Chief Executive of the Union and will function in all matters relating to the Union in accordance with the Constitution.
2. **Secretary:** He/She will assist the President and act as the Chief Executive in the absence of the President, in accordance with the Constitution.
3. **Treasurer:** He/She shall maintain the accounts of the Union and assist the President in managing the finances of the Union.
4. **Secretary for Cultural Affairs:** He/She shall organise cultural festivals, assist the President to select and send teams financed by the Union to outstation festivals; and to inform the concerned Societies about all cultural events taking place in other colleges/institutions.
5. **Secretary for General Maintenance:** He/She shall ensure cooperation and coordination with the authorities in the matter of physical amenities and facilities in the college, for example, in Cafe, Auditorium, Lawns, and with respect to the general cleanliness of the college premises.
6. **Secretary for Academic Affairs:** He/She shall take up with the authorities, problems of academic nature relating to time-table, classes and tutorials, and functioning of the Library, etc.
7. **Secretary for Parliamentary Affairs:** He/She shall organise the meetings of the Union Parliament, record minutes thereof, look after the publicity of the Union functions and forward the suggestions of the class representatives to the concerned authorities.

All members, except the Secretary for Parliamentary Affairs, shall be appointed by the Teacher-in-Charge, in consultation with the President and the Secretary, selecting at least one from each of the following categories:

1. Students pursuing Commerce courses
2. Students pursuing Economics courses
3. Girl students provided they fail to secure any representation in the above categories.

The Secretary for Parliamentary Affairs shall be elected by the class representatives from amongst themselves.

The Cabinet should be formed within 15 days of the election. It shall continue in office as long as the President and the Secretary remain in office. In the event of any of these two offices falling vacant, the Cabinet shall stand dissolved automatically.

The Students' Union Parliament

There shall be a Students' Union Parliament consisting of:

1. Members of the Cabinet.
2. Class Representatives: One elected representative from each section of all the classes.
3. The Leader and the Deputy Leader of the Opposition.

The election of the class representatives will be conducted by the President of the Students' Union. The Leader and the Deputy Leader of the Opposition will be persons who have lost the elections for the post of the President and the Secretary respectively by the narrowest margins.

In case of a difference of opinion in the Cabinet, the matter will be referred to the Students' Union Parliament. The Parliament will meet at least twice in each academic year. Ordinarily, a notice of at least three clear working days should be given for its meetings.

Meetings of the Union

The Secretary shall convene the meeting of the Union on the dates and timings fixed with the consent of the Teacher-in-Charge. A notice of at least three clear working days shall ordinarily be given for each meeting of the Union. An emergent meeting of the Union may, however, be called at a short notice. A meeting of the Union may also be called by the President with prior consent of the Teacher-in-Charge or by the Principal.

Meetings of the General Assembly

Ordinarily, a notice of three clear working days shall be given for all meetings of the General Assembly. However, with the approval of the Teacher-in-Charge, a meeting of the General Assembly may be called at a short notice.

The quorum of meeting of the General Assembly shall be 1/10 of the total student-members.

Members of the Union shall meet in the General Assembly at least twice in each academic year to consider the Budget proposals, amendments to the Constitution, motions of no-confidence, general policy matters, matters of general interest or to transact any other business. Such meetings shall be called by the Secretary, with the approval of the Teacher-in-Charge, on such dates and at such time as may be fixed by the Teacher-in-Charge.

No-Confidence Motion

A notice for a motion of No-confidence, signed by at least 50 students of the college, shall be submitted to the Speaker, with the statement of reasons, which if found in order, shall be placed before the Tribunal within three clear working days. The Tribunal shall give its decision within three clear working days and communicate it to the members. If rejected, the Tribunal will communicate to the members who have given the notice the specific reasons for which it has been rejected. When such a notice has been approved by the Tribunal, the motion of No-confidence shall be deemed to have been passed only when at least two-third of the members present and voting in the Students' Union Parliament have approved it.

Re-Election

In case, the office of the President or that of the Secretary or both falls vacant, there

shall be, as soon as possible, fresh elections in accordance with the Election Rules.

Income and Expenditure

The main sources of income of the Union shall be:

1. Allocation out of the Students' Societies Fund
2. Special subscriptions raised with the consent of the J.C.C. or in exceptional circumstances with the consent of the Principal who should report this to the J.C.C. in its next meeting.
3. Donations

All expenditure shall be incurred with the prior approval of the Teacher-in-Charge and in accordance with the Budget passed by the General Assembly. Money can be withdrawn by the President or in the absence of the President, by the Treasurer, with the consent of the Teacher-in-Charge.

Amendments

Amendments to the Constitution can be proposed by a motion in the General Assembly by at least fifty bonafide student-members. The Proposers of the amendments shall circulate the amendments among the students and shall be allowed to explain it. Then the Amendment shall be deemed to have been passed when at least two-third of the members present have voted and approved it. No such amendments shall come into force unless it has been approved by the College Staff Council.

A copy of the Constitution will be put up on the notice board before the elections are held.

SOCIETIES

The College has several societies for extra-curricular activities. Prominent among these are - the College Students' Union, Commerce Society, Economics Society, English Literary Society, History and Political Science Society, Hindi Sahitya Sabha, Dramatics Society, Debating Society, Mathematics and Computer Society. On joining the college, you automatically become a member of these societies. The office bearers are elected or nominated. Details regarding the functioning and activities of various societies are as follows:

COMMERCE SOCIETY

1. **Objective:** Its object would be to foster social and intellectual activity among the students and in particular, to develop in them interest in the study of Commerce. For this purpose, it would arrange talks, lectures, group discussions, essay competitions, seminars, symposia, conferences and the like, relating to the discipline.
2. **Membership:** All students of the College shall be members of the Society. Members of the Teaching Staff shall be ex-officio honorary members.
3. **Management:** The activities of the Society shall be managed by an Executive Committee with the advice and guidance of the Teacher-in-Charge.

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4. **Executive Committee:** The Executive Committee shall consist of the President, the Secretary and not more than ten other members who will be nominated by the Teacher-in-Charge in consultation with the President and the Secretary.
 5. **The President and the Secretary:** The President and the Secretary shall be elected by the General Body of the student-members. A student of the college may contest for the office, provided that - (a) He/She is a student of the 2nd or 3rd year class of B.Com. (Hons.) or B.A. (Hons.) Economics or M.Com.; (b) He/She has obtained in the previous examinations at least 75% marks if contesting as President and at least 75% if contesting as Secretary.
 6. **Elections:** Elections shall be held on a date fixed by the Principal.
 7. **Executive Committee Meetings:** The Secretary shall convene meetings of the Executive Committee with the consent of the Teacher-in-Charge. A notice for each meeting shall be given at least three clear days in advance. An emergent meeting can be called at a shorter notice. If need be, a meeting may also be called by the Teacher-in-Charge or by the President with the prior consent of the Teacher-in-Charge.

The quorum for a meeting shall be one-third of the total number of members, but not less than three members, whichever is more.

- 8 **Income and Expenditure:** The main sources of the income of the Society shall be:

(a) Allocation out of Students' Societies Fund, as approved by the Joint Consultative Committee (J.C.C.);

(b) Special Fund, raised with the prior consent of the J.C.C. and the Principal.

For (a), the Society shall submit a budget at the beginning of the session to the J.C.C.; and for (b), a detailed budget proposal shall be placed before the J.C.C. by the Society at least fifteen days in advance.

No expenditure shall be incurred, except in accordance with the budget passed by the Executive Committee and approved by the J.C.C. and the Principal. This applies to both (a) and (b).

All expenditure should be incurred with the prior approval of the Teacher-in-Charge and an annual statement of accounts should be submitted at the close of the year to the J.C.C.

Money can be drawn by the Teacher-in-Charge or by the President with the approval of the Teacher-in-Charge through vouchers prescribed for the purpose.

9. **Amendments** to the Constitution can be made by the Staff Council only.
10. **Miscellaneous:**
 - a. A proper record of all the activities of the Societies and the student participants shall be maintained by the Teacher-in-Charge and he/she shall hand over the complete record at the end of each term to the Principal.
 - b. Functions will be organised with the prior approval of the Principal.
 - c. The Teacher-in-Charge should be drawn from the Department of Commerce.

ECONOMICS SOCIETY

Objective: To foster social and intellectual activity among students and in particular, to develop in them interest in the study of Economics. For this purpose, it would arrange talks, lectures, group discussions, essay competitions, seminars, symposia, conference and the like relating to the discipline.

Clause 2 to 10, except 10(c), to be the same as in the Constitution of Commerce Society. Clause 10(c): The Teacher-in-charge should be drawn from the Department of Economics.

HINDI SAHITYA SABHA

Objective: Its object would be to foster social and intellectual activity among the students of the college and, in particular, to create interest in Hindi language and literature. For this purpose, it may organise Poetry, Essay, Short-Story and General Knowledge Competitions, Elocution and Declamation Contests, Talks Lectures, Kavi Sammelans, Conferences, Symposia, Seminars and the like.

Clauses 2 to 10, except 10 (c), will continue to remain same in the Constitution of the Commerce Society, after substituting 'Sabha' for 'Society'.

ENGLISH LITERARY SOCIETY

Objective: Its object would be to foster social and intellectual activity among the students of the college and, in particular, to create interest in English Language and Literature. For this purpose, it may organise Poetry, Essay, Short-Story and General Knowledge Competitions, Elocution and Declamation contests, Poetic Symposia, Talks, Lectures, Seminars, Conferences and the like.

Clauses 2 to 10, except 10(c), to be the same as in the Constitution of Commerce Society.

FINE ARTS SOCIETY

Objective: Its object would be to foster social and cultural activity among the students of the College and, in particular, to create interest in and develop taste and aptitude for Music, Dancing, Drawing, Painting, Sculpture and any other Fine Art. For this purpose, it may organise Talks, Lectures, Exhibitions, Performances, Collage, Sketching, Painting and Music competitions and the like.

Clauses 2 to 10, except 10(c), to be the same as in the Constitution of the Commerce Society.

POLITICAL SCIENCE SOCIETY

Objective: Its object would be to foster social and intellectual activity among the students of the College, and in particular, to develop interest in the knowledge and study of History and Political Science and national and international politics. For this purpose, it may organise Talks, Lectures, Essay Competitions, Group discussions, Seminars, Conferences and the like.

Clauses 2 to 10, except 10(c) to be same as in the Constitution of the Commerce Society.

DRAMATICS SOCIETY

1. **Objective:** Its objective would be to foster social and intellectual activity among the students and to create interest in and encourage talent for Drama and

Theatre. For this purpose, it may organise full-length or One-act Plays, Mono-acting performances, Competitions, Talks, Lectures, Symposia, Conferences and the like relating to its field.

2. **Membership:** All students of the College shall be member of the Society. Members of the Teaching Staff shall be ex-officio honorary members.
3. **Management:** The activities of the Society shall be managed by an Executive Committee with the advice and guidance of the Teacher-in-Charge.
4. **Executive Committee:** The Executive Committee shall consist of the Secretary, the Joint Secretary and not more than ten other members of the committee. All these will be nominated by the Teacher-in-Charge.

The Secretary and the Joint Secretary will assist the Teacher-in-Charge in the task of nominating other members of the Executive Committee.

5. **The Secretary and the Joint Secretary:** The Secretary and the Joint Secretary shall be nominated by the Teacher-in-Charge of the Society as early as possible in the beginning of the academic year through applications invited for these posts from the students and in consultation with the outgoing office bearers who are still enrolled with the College. It is further provided that normally the Secretary should be a student of the Final Year of the Honours Classes or of M.Com.; and the Joint Secretary from the Second Year of the Honours Classes. They should have taken keen interest in the activities of the Society in earlier years and have a distinguished record of achievements in the field of the Society and the Secretary must have obtained at least 50% marks in the previous examinations.
6. **Meetings:** The Secretary shall call meetings of the Executive Committee with the consent of the Teacher-in-Charge. A notice of atleast three clear days shall be given for each meeting. An emergent meeting can be called at a shorter notice. If need be, a meeting may be called by the Teacher-in-Charge or by the Joint Secretary with the prior consent of the Teacher-in-Charge.
The quorum for a meeting shall be one-third of the total number of members, but not less than three members, whichever is more.
7. **Income and Expenditure:** The main sources of income of the Society shall be:
 - (a) Allocation out of the Students' Societies Fund, as approved by the Joint Consultative Committee (J.C.C.).
 - (b) Special funds raised with the prior consent of the J.C.C. and the Principal.

For (a), the Society shall submit a budget in the beginning of the Session to the J.C.C. and for (b), a detailed budget proposal shall be placed before the J.C.C. by the Society at least fifteen days in advance.

No expenditure shall be incurred, except in accordance with the budget passed by the Executive Committee and approved by the J.C.C. and the Principal. This applies to both (a) and (b). All expenditure should be incurred with the prior approval of the Teacher-in-Charge and an annual statement of accounts should be submitted at the close of the year to J.C.C.

Money can be drawn by the Teacher-in-Charge or by the Secretary with the approval of the Teacher-in-Charge through vouchers prescribed for the purpose.

8. **Amendments** to the Constitution can be made by the Staff Council only.
9. **Miscellaneous:**
 - a) Proper record of all the activities of the Society and the student participants shall be maintained by the Teacher- in-Charge and he/she shall handover the complete record at the end of each term to the Principal.
 - b) Functions will be organised with the prior approval of the Principal.

DEBATING SOCIETY

1. **Objective:** Its objective would be to foster social and intellectual activity among the students and, in particular, to stimulate their interest in and to develop their skills for debating and public speaking. For this purpose, the Society may organize Talks, Lectures, Debates, Debating Classes, Seminars, Conferences and the like.

Clauses 2 to 9 to be the same as in the Constitution of the Dramatics Society.

COMPUTER AND MATHEMATICS SOCIETY

1. **Objective:** Its objective would be to foster social and intellectual activity among the students of the College, and in particular, to develop in them interest in Computers and learning of Mathematics and use of both for problem solving in Commerce and Economics. For this purpose, the Society may organise Talks, Lectures, Seminars, Symposia, Conferences, Computer Games, Simulation Exercises, Quiz Competition, Intelligence Tests and the like.

Clauses 2 to 9 to be the same as in the Constitution of the Dramatics Society.

ELECTION RULES AND REGULATIONS OF SOCIETIES

1. The authority to conduct elections for the offices of all the Societies shall be vested in the Principal, who may function through a Tribunal, if any, which shall consist of the Advisor to the Students' Union and two other members nominated by the Principal. The Advisor to the College Union, for duties in relation to the Elections, shall be known as the Election Officer and shall act as the Convenor of the Tribunal.
2. A student shall be disqualified from being elected as an office bearer of any Society if a disciplinary action has been taken against him/her by the College.
3. No student shall be eligible for election to more than one office.
4. The Tribunal shall invite nominations for election, which should be made on the form prescribed for the purpose and a security fee, to be notified by the Principal, shall be submitted along with each form.
5. A list of candidates after scrutiny shall be placed on the Notice Board. Objections, if any, shall be filed with the Election Officer within seventy two hours of the display of the said list.
6. All objections thereto shall be scrutinised by the Tribunal. The Tribunal shall have the authority to reject the nomination of a person if he/ she is not found qualified for holding an office of a Society under the provisions of its

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- Constitution. The decision of the Tribunal, in all such cases, shall ordinarily be final. But in case of difference of opinion between the Principal and the Tribunal, the matter will be decided by the Staff Council.
7. A list of the candidates whose nominations have been declared valid by the Tribunal shall be placed on the Notice Board.
 8. Elections shall be held on a date fixed by the Principal.
 9. Before the elections to be held on a date fixed by the Principal, all contesting candidates shall be provided with an opportunity to introduce themselves and their programmes to the general body of the students. Each Presidential candidate shall be given a maximum of 5 minutes and each candidate for the post of Secretary shall be given a maximum of 3 minutes. Second opportunity to speak again shall be given only to the contestants for the office of President and Secretary of the Students' Union after the completion of one full round with the time restriction of 5 minutes and 3 minutes respectively. The Election Officer of the College shall preside over such a meeting.
 10. The security fee shall be forfeited in case the candidate obtains less than 1/5th of the valid votes polled.
 11. Canvassing through loud-speakers, posters and banners shall be strictly prohibited. In addition, self-propagation through handbills, leaflets, cards or any other printed matter referring to time-table, syllabus, D.T.C. bus routes, calendars etc. will be prohibited after the date of announcement of the elections by the Principal. Violation of this provision shall be punishable under disciplinary rules of the College.
 12. If any question arises as to whether an office bearer of a Society has become subject to any disqualification mentioned in Clause (2) above, the matter shall be referred for a decision to the Principal. Before giving any decision on any such question, the Principal shall obtain the opinion of the Tribunal. The decision of the Principal in such cases shall be final.
 13. The minimum percentage of marks prescribed for the qualification of a candidate will be considered on the following basis:
 - i. For students of 1st year class—Aggregate marks in Board Examination.
 - ii. For students of 2nd year class—Aggregate marks of main subjects in 1st year Examination.
 - iii. For students of 3rd year class—Aggregate marks of main subjects in 1st year and 2nd year Examinations combined.
 - iv. For students of M.Com. (Previous) class: Aggregate marks of main subjects in I year, II year and III year Examinations combined.
 - v. For students of M.Com. (Final) class: Aggregate marks in M.Com. (Previous) Examination.
 14. It shall be obligatory on the part of a candidate to furnish, along with the nomination papers, an attested copy of relevant statement of marks obtained in previous examination, as specified in clause 13 above, issued by the concerned Board/ College/University.
 15. No office bearer shall hold the same office more than once.

JOINT CONSULTATIVE COMMITTEE

Composition

There shall be a Joint Consultative Committee (J.C.C.) composed of the following:

Students' Representatives:

1. President of the College Students' Union	2. Secretary of the College Students' Union
3. President of the Commerce Society	4. President of Economics Society
5. President of the Hindi Sahitya Sabha	6. President of the Fine Arts Society
7. President of the History and Political Science Society	8. President of the English Literary Society
9. Secretary, Sports and Games Committee	10. President, Boys' Hostel Union
11. President, Girls' Hostel Union	12. Topper of B.Com. (Hons.) I Year and II Year Examinations combined
13. Topper of B.A. (Hons.) Economics I yr. and II yr. Examinations combined	

Teachers' Representatives

1. Principal	5. Warden, Boys' Hostel
2. Bursar	6. Warden, Girls' Hostel
3. President of the Staff Association	7. In-charge, Sports
4. Advisor to the College Students' Union	8. Librarian
9 to 13. Five teachers nominated by the Staff Council	

Special Invitees

1. For the purpose of discussion relating to grant of funds to various Societies, representatives of Societies (Staff Advisor and/or student office bearer), not represented on J.C.C. shall be invited.
2. The Chairman of the J.C.C. can also invite any teacher or student to participate in the discussions, whenever necessary.

Objective

The J.C.C. aims at bringing about smooth functioning of the College by having set in process a mechanism by means of which the teachers and students may jointly deliberate upon matters mentioned below, frame a policy and help in the execution of the same.

Scope

1. **Academic:** This includes suggestions regarding - (a) Timings of classes; (b) Admission; (c) Maintenance of discipline; (d) Fees levied in the Prospectus.
2. **Financial:** (a) All items of expenditure for which funds have either been collected from students or received for the use of students; and (b) Societies Reserve Fund.

Fee concession: It shall be decided by a sub-committee comprising three teachers elected by Staff Council and Union student- members elected by the J.C.C.

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3. **Welfare:** Suggestions for improvements in the College Canteen, Library, Garden, Roads, Playground, Hall, Sports and functioning of various Societies of the College Union.

In the above-mentioned matters, the decision of the J.C.C. shall be final.

Conduct of Business

1. The Advisor to the College Union and President of the Students' Union shall be ex-officio Convenors of the J.C.C. The Principal shall be the ex-officio Chairman. If the Chairman is absent in any meeting, then the officiating Principal shall act as the Chairman.
2. The J.C.C. shall meet as many times as is necessary, but not less than two times in each academic session.
3. Meetings of the J.C.C. shall be held in the College premises and as far as possible during recess time.
4. The meetings shall be convened by the Convenor(s) acting jointly or any one of them, provided she is acting with the prior permission of the Chairman.
5. Ordinarily three days' notice will be required for a meeting.
6. However, in case of any emergency, the meeting may be held as and when it is necessary.

Quorum

The quorum at a JCC meeting is one-third of its total members. During the JCC meeting, if the question of quorum is raised and if there is no quorum, the Chairman may adjourn the meeting or suspend it until there is quorum.

Passing of Resolution

A resolution or a proposal shall not be deemed to have been passed unless:

1. It has been agreed to by the majority of the members present at the meeting. In case of a tie in voting (voting shall be by a secret ballot), the matter shall be decided by casting vote of the Chairman.

or

2. It has been agreed to by two-third of the total number of members, by having put their signatures to the proposal moved by a member.

A decision of the J.C.C. will not be altered or repealed within two years from the date on which it is adopted unless, in materially changed circumstances, it has been agreed to by two-third of the total number of members of the J.C.C.

It will be the duty of the Chairman to see that the decisions of the J.C.C. are being implemented. In case of any problem, the Chairman should immediately convene a meeting of J.C.C. and take the help of members.

Amendment to the Constitution

An amendment to the Constitution may be initiated at a meeting specially called for the purpose, on a written representation made by at least three members, and for which at least seven days' notice has been given to the members of J.C.C. An amendment shall not be deemed to have been passed, unless it has been agreed to by a majority of the members of the J.C.C., with not less than two-third of the

members present and voting.

Broad Guidelines for Conduct of Events / Activities in the College

Guidelines approved by the Staff Council, Shri Ram College of Commerce, in its meeting held on June 23, 2015 regarding organizing of extra-curricular activities, events and functioning of various societies are as follows:

1. Only Staff Council recognized societies should be allowed to function. An unrecognised cell or forum shall not function, or any extra-curricular event will not be organized, unless that cell or forum or event is given a prior approval by the Staff Council. Any such proposal before being submitted to the Staff Council shall be vetted and reviewed by a committee of the Staff Council. That committee will consist of the Secretary, Staff Council as its convenor and Bursar, Students' Advisor, and President, Staff Association as its members.
2. Only a permanent teacher of the college can be in-charge of a society or activity or forum.
3. The societies or recognized cells will not hold any event without the prior written approval of the teacher-in-charge and Principal with estimated budget.
4. There should be no event of any society/union /forum before the elections in the college.
5. The Societies or the Union shall not put any desk or counter except during the lunch break.
6. The activities of all the societies must adhere to their objectives as specified in their constitution. They should not organize activities outside their domain.
7. The college societies should not be allowed to organize festivals. There should be only one college annual festival of maximum 3 days preferably on Thursday, Friday and Saturday, to be organized by the College Union.
8. No food stalls should be allowed in the college campus except during the Crossroads.
9. The structure/composition of the College Students' Union shall be strictly in conformity with the composition prescribed in the constitution of the Union. No other post than provided in the constitution shall be created formally or informally. The other cabinet members of the Students' Union must also fulfill the conditions of 75% attendance, no academic arrear, no disciplinary action etc., as specified by Lyngdoh Committee as eligibility criteria for contesting elections.
10. There should be a coordination committee to organize the College's Annual Cultural Festival.
11. No tickets/passes should be allowed to be printed and distributed.
12. During the college annual festival, there should not be a performer on all days. Only on the last day of the college annual festival a paid/sponsored artist can perform in the college campus, provided his total payment doesn't exceed Rs. 10 lakhs.
13. For all cultural and entertainment programs, prior approval of appropriate authorities such as Entertainment tax, Traffic, Police, Fire, etc. to be obtained in advance.

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14. No society or the union or office bearer or student or any other person of the college shall collect money from sponsors or corporates or other organizations or persons either in their name or in their account or in the name/account of any other person. In case, it is found that any student or society or person or forum has collected or taken any money in their name or in their account or in the name/account of any other person, severe penal action would be taken against such student or other person of the college which may extend to expulsion from the college.

General Instructions

- Please keep the College Identity Card with you at all times. It must be produced each time any member of the faculty or office staff asks for it. In case, you lose or damage your Identity Card, a duplicate card is issued on payment of Rs. 200. In case of loss, the duplicate card is issued only on submission of a copy of F.I.R. lodged with the police.
- Please pay your fees by the due date. A fine is charged for non-payment for each day after the due date. If fees are not paid by a month after the due date, your name will be struck off from the College rolls.
- Attend and submit tutorial assignments as per time table.
- If you have any complaints regarding cases of violence, mischief, misconduct or use of offensive language, ragging, eve teasing etc., please lodge your complaints with the Disciplinary Committee in writing. You are also requested to abstain from any of the above activities. Punishment may be in the form of a fine, rustication, or expulsion from the College.
- Play only in the playground. If you are found playing anywhere else, you may be fined heavily.
- Keep the College building and lawns neat and tidy. Do not put up posters or promotional material anywhere in the College, except on the Notice Board, with the prior permission of the Principal.
- Do not remove furniture and other equipment from the classrooms.

Important Guidelines For Student's Union & Societies Regarding Organization of Society/ Union's Events

1. All proposals to conduct the event must be duly forwarded and recommended by the concerned Faculty Advisor for approval of the Principal. This includes all important details with respect to the event, guests, VIP dignitaries, participants, budget etc.
2. The Society/ Students' Union must enter into the Memorandum of Understanding (MoU), only through its elected President, with the sponsor. Nobody else is authorized to enter into the MoU on behalf of any Society/ Students' Union. A duly signed copy of the MoU is mandatorily required to be submitted in the Accounts Section of the college.
The MoU must contain a specific clause with respect to the fact that the sponsor has referred to the important guidelines for Sponsors on the college's website/Handbook of Information and has accepted the same.
3. Deliverables: Deliverables on the part of both the parties should be clearly

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- mentioned in the MoU. Deliverables on the part of Society/ Students' Union is the only responsibility of the concerned Office Bearers. The college undertakes no responsibility for delivery of any promises undertaken by any Society/ the Students' Union against the sponsorship money received.
4. While making promises for deliverables, the Society/ Students' Union should keep in mind the extent to which they can deliver and no exaggerated promises for deliverables should be made which are beyond the control/ purview of the Society/ Students' Union.
 5. Events of Societies/ Students' Union's are conceptualized, planned and organized by students only and the college administration only plays the role of a watchdog. It is, therefore, required that all remittances towards the sponsorship are to be drawn in favour of the Principal, Shri Ram College of Commerce and submitted in the Accounts Office of the college.
 6. Remittances: Remittances towards the sponsorship can only be in electronic mode (direct transfer to the college's bank account) or through Demand Draft/ Cheque drawn in favor of the Principal, as stated above. No remittance to be collected in cash. Sponsorships received in kind are to be mandatorily reported to the college administration.
 7. Settlement of Accounts: All bills and accounts pertaining to the event must be settled within a fortnight (15 days) of conclusion of the event.
 8. Direct Payments to Artists: All payments to the artists/star performers will be remitted directly to them and not through the Event Manager.
 9. All prizes/awards/rewards to be given in various competitive events must be duly recommended by the concerned Faculty Advisor of the Society/Union Advisor and finally approved by the Principal before their publication / announcement in public.
 10. Rights for Entry: No tickets/passes will be printed/distributed by any Society/Students' Union. The college administration reserves the rights to allow entry to the college premises through tickets/passes.
 11. All cultural programmes/DJ Music events must be over by 7 PM and no extension beyond the stated time will be allowed.
 12. Allocation of Stalls: Proposal and plan for setting of the stall will be submitted by the Societies/Students' Union duly forwarded by the concerned Faculty/Union Advisor. Allocation of stalls will be approved by the Principal. Decision of the Principal in this regard will be full and final and binding on the sponsors and Office Bearers of Societies and Students' Union.
Entry/identification badges to the sponsors/staff at stalls will be printed by the organizing Society/Students' Union and submitted to the Administration Office for necessary authentication by the college administration.
 13. No food stalls will be allowed except during 'Crossroads'.
 14. No stall will be allowed to be set up without signing of the MoU and deposit of requisite money/charges in the Accounts Section of the college.
 15. Stall(s) for promotion of and/or inclusive of activities like gambling/poker/playing cards/smoking hukkas/alcoholic drinks etc. will not be allowed to be set up. The sponsorship money/charges paid against such activities will not be refunded in any case. As also the college reserves the right

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- to initiate penal proceedings against the offenders.
16. Classes will remain suspended during the Crossroads only.
 17. All Societies/NSS/Students' Union are required to submit a list of their members and office bearers (with their contact details), duly forwarded by the concerned Faculty Advisor, in the Administration Office latest by January 15, 2018.
 18. Sound/Music: Mike testing/sound check/playing music will not be allowed before 2:00 PM in any of the society events. In case of any default, the concerned society will be fined with a penalty of Rs. 5,000.
 19. No publicity hoardings/banners/flexes should contain any vulgar/offensive text/graphics. Societies/Students' Union should be careful in this regard and advise the sponsors accordingly.
 20. All organizing Societies/Students' Union must keep in mind that in case of any default on their part, the event will be cancelled.
 21. The college administration undertakes no responsibility for foot falls/huge gathering/huge sales volume, etc. at any of the events. The college will not be liable to compensate the vendors for any loss/damages incurred due to low sales or any other reason whatsoever.
 22. In case of disruption/cancellation of the event due to rain or any other natural disturbance or any act beyond the control of the college, the college will not be responsible to refund the sponsorship received.
 23. The college administration reserves the right to allow entry into the college premises during the events. Vendors or their staff will be allowed entry in the college premises only through a Special ID card issued by the college administration.
 24. The college administration/Principal/Faculty Advisors/any officer or official of the college will not be responsible in case of any default on the part of any Society/Students' Union or its Office Bearers.
 25. The format and design of the certificate to be issued by the union/societies to its members must be pre-approved by the Principal of the college.
 26. Cleanliness of the Campus: Keeping the campus clean at all times is our primary responsibility. All Societies/Students' Union must keep cleanliness of the campus and protection of our heritage building on highest priority. Visitors/participants/ sponsors be advised not to litter the campus with waste papers/polythene bags/ wrappers/plastic bottles etc. and not to place posters/banners/flexes on the walls/ pillars etc. Fixing of nails on walls/pillars is strictly prohibited. Huge flexes hanged from terrace over the Office Block should not cover the windows of Administration Office and Accounts Office.

CHOICE BASED CREDIT SYSTEM (CBCS)

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce

uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

RELEVANT ORDINANCES

1. Span period for the under-graduate courses under the Choice Based Credit System (CBCS)

Ordinance VIII (2)

For all the students obtaining admissions under the Three Year Under-graduate Programme under CBCS starting 2015-16, the span period to complete the course will be 6 years from the year of admission in the first semester, irrespective of the different courses provided the student has completed all requirements to become eligible for appearing in the University Examinations as per rules.

2. Pass Percentage and Promotion Rules for All the Under-Graduate Courses under Choice Based Credit System

Ordinance IX

The following provisions shall be applicable to students admitted to the Three Year Undergraduate programme under Choice Based Credit System (CBCS):

12(1)

- a. A student who appears in an odd semester examinations or who was eligible to appear in the odd semester examinations but remains absent in any or all the papers of the said semester, shall move on to the next even semester irrespective of his/her result in the said examinations.
- b. The result shall be prepared on the basis of the formula prescribed as at Table 'a' with minor changes in the computation of grade cut off as at table 'B'. The passing criteria of attaining 40% marks in numerical value is therefore to be 'deleted'.
- c. A student shall be eligible for promotion from 1st year to 2nd year/ III semester provided he/she has passed 50% papers of I and II semester taken together and similarly for promotion from 2nd year to 3rd year /Vth semester.
- d. The student shall be declared fail as per the formula prescribed by UGC at Table 'A'. However, they shall have the option to reatian the marks in the paper in which they want to retain.
- e. A student Shall be declared eligible for degree providd he/she has passed all the papers of 1st year, 2nd year and 3rd year pf a course as per approval of the Executive Council (EC Resolution No. CNC-11/093/2015-16 dated 28th September, 2015)
- f. A student who wants to re-appear for improvement in marks in a paper prescribed for semester I/III/V may do so only in the semester examinations to be held in November-December. A student who wants to re-appear for

improvement in a paper prescribed in semester II/IV/ VI may do so only in the examinations to be held in May/June.

(2) Re-appearance for improvement

- (a) A student may re-appear in any theory paper prescribed for a semester, on foregoing in writing her/his previous performance in the paper/s concerned. This can be done in the immediate subsequent semester examination only (for example, a student reappearing in paper prescribed for semester I examination may do so along with subsequent semester IIIrd examination and not along with papers for semester Vth).
- (b) A candidate who has cleared examinations of third academic year (Vth and VIth semesters) may re-appear in any paper of V or VI semester only once, at the immediate subsequent examinations on foregoing in writing her/his previous performance in the paper/s concerned, within the prescribed span period.
(Note: The candidate of this category will not be allowed to join any postgraduate courses)
- (c) In the case of re-appearance in paper, the result will be prepared on the basis of candidate's current performance in the examinations.
- (d) In the case of a candidate, who opts to re-appear in any paper/s under the aforesaid provisions, on surrendering her/his earlier performance but fails to reappear in the paper/s concerned, the marks previously secured by the candidate in the paper/s in which she/he has failed to re-appear shall be taken into account while determining her/his result of the examination held currently.
- (e) Re-appearance in practical/internal assessment shall-not be allowed.
- (f) All papers of Core, Elective. Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC) shall be for 100 marks each and 25 marks shall be for Internal Assessment (IA).
- (g) Examination for Practical wherever applicable shall be based on continuous valuation.
- (h) Duration of end semester theory examinations of Core and Elective subjects shall be three hours.
- (i) The entire evaluation process for AECC and Skill Enhancement Courses (SEC) shall be undertaken by each college where the AECC and SEC are being taught and the teacher responsible for the conduct of learning of the AECC and SEC shall be responsible for the evaluation,
- (j) There shall be no internal assessment in practical papers,
- (k) There shall be no supplementary examinations.
- (l) Paper setting and evaluation of the answer script of the concerned paper shall be coordinated by the respective boards appointed by the Competent Authority. In case of all Core Courses offered in different programmes across the disciplines, the assessment / evaluation of the ' theoretical component towards the end of the semester should be undertaken by external examiners from outside the college at the UG level who may be appointed by the Competent Authority.

(m) Eligibility for award of degree under CBCS.

(3) Letter grades and grade points

- (a) A student who passes all the papers prescribed for semester I to semester VI examinations would be eligible for the degree. Such a student shall be categorized on the basis of the combined result of semester I to semester VI examinations under CBCS on a 10 point grading system with the following Letter Grades as given below:

Letter Grade	Grade
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above Average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

Issue of Transcripts: Based on the grades earned, a Grade Certificate shall be issued to all the registered students by the University after every semester and a consolidated transcript indicating the performance in all semesters. The Grade Certificate will display the course details (code, title of the paper, number of credits, grade secured) along with SGPA of each semester and CGPA earned based on overall six semesters.

- (b) A student obtaining Grade F shall be considered failed and will be required to re-appear in the examinations.
- (c) For non-credit courses, 'satisfactory' or 'unsatisfactory' shall be indicated instead of the Letter Grade and this will not be counted for the computation of SGPA/CGPA.

Outline of Choice Based Credit System:

- 1. Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
- 2. Elective Course:** Generally, a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
 - 2.1 DSE Course:** Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
 - 2.2 Dissertation/Project:** An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.

2.3 **Generic Elective (GE) Course:** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective. P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

3. **Ability Enhancement Courses (AEC)/Competency Improvement Courses/ Skill Development Courses/Foundation Course:** The Ability Enhancement (AE) Courses may be of two kinds: AE Compulsory Course (AECC) and AE Elective Course (AEEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement. They (i) Environmental Science, (ii) English/Hindi Communication are mandatory for all disciplines. AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation /difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

SYLLABUS: B. Com (Hons.)

Semester - I

Paper AEC-1: ENVIRONMENTAL STUDIES/COMMUNICATION (ENGLISH/HINDI)*

*Please refer to Page No. 106 see details of Environmental Studies/ Communication (English/Hindi)

Paper C-1: FINANCIAL ACCOUNTING

Course Objective

This course provides conceptual knowledge of financial accounting and the techniques for preparing accounts in different types of business organisations.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the theoretical framework of accounting and to prepare financial statements

CO2: explain and determine depreciation and value of inventory

CO3: learn accounting for hire purchase transactions, leases, branches and departments

CO4: understand the concepts of partnership firm and prepare accounts for dissolution of a partnership firm

CO5: develop the skill of preparation of trading and profit and loss account and balance sheet using computerized accounting.

Course Contents

Unit-1: Introduction

Conceptual Framework: Accounting principle, Concepts and Conventions Introduction to Accounting Standards and Indian Accounting Standards (AS & Ind AS), Accounting Process: Journal, ledger, Trial Balance, Financial Statements (overview) Capital Expenditure (and Receipts), Revenue Expenditure (and Receipts) and Deferred Revenue Expenditure. Preparation of Financial Statements of a profit making sole proprietorship trading firm with additional information, Preparation of Financial Statements of a not for profit organisations.

Unit-2: Depreciation Accounting and Inventory Valuation

Accounting for Plant Property and Equipment & Depreciation: Meaning of Depreciation, Depletion and amortization, Objective and Methods of depreciation (Straight line, Diminishing Balance), Change of Method, Inventory Valuation: Meaning, Significance of Inventory Valuation, Inventory Record System-Periodic and Perpetual, Methods of Inventory Valuation-FIFO, LIFO and Weighted Average

(Relevant accounting Standards as applicable)

Unit-3: Special types of Accounting

Hire Purchase Accounting: Calculation of Interest, Partial and Full Repossession, profit Computation (Stock & Debtors System only), Accounting for Leases: Concept, Classification of leases (Simple practical problems), Accounting for Branches (excluding foreign branches): Dependent branches ('Debtors system' and 'Stock & debtors System') and overview of Independent branches. Departmental Accounting: Concept, Type of departments, Basis of allocation of departmental expenses, Methods of departmental accounting (excluding memorandum stock and memorandum mark-up account method)

(Relevant accounting Standards as applicable)

Unit-4: Accounting for Partnership Firm

Partnership accounts: Fundamentals, Admission, Retirement and Death of a partner (only an overview), Accounting for Dissolution of Partnership Firm: Dissolution of Partnership Firm including Insolvency of partners (excluding sale to a limited company), Gradual realization of assets and piecemeal payment of liabilities

Unit-5: Computerized Accounting System

Computerized Accounting System: Computerized accounts by using any popular accounting software: Creating a company; Configure and Features settings; Creating Accounting Ledgers and Groups, Creating Stock Items and Groups; Vouchers Entry; Generating Reports – Cash Book, Ledger Accounts, Trail Balance, Profit and Loss Account, Balance Sheet, Funds Flow Statement, Cash Flow Statement, Selecting and Shutting a Company; Backup and Restore of Data of a Company

Note: Latest Accounting Standards to be followed

References

-
1. Goyal, Bhushan Kumar and H.N. Tiwari, Financial Accounting , Taxmann
 2. Kumar, Alok. Financial Accounting, Singhal Publication.
 3. Lt Bhupinder. Financial Accounting – Concepts and Applications, Cengage
 4. Monga, J R. Financial Accounting: concept and Applications. Mayur paper Backs, New Delhi
 5. Sehgal, Ashok & Deepak Sehgal. Fundamentals of Financial Accounting, Taxmann
 6. Tulsian, P C. Financial Accounting, Tata McGraw Hill New Delhi
 7. Lal, Jawahar, Seema Srivastava & Abrol, Shivani. Financial Accounting Text and problems, Himalaya Publishing House, New Delhi.

Additional Resources

1. Charles, T Horngren, Gart L. Sundem, John A Elliot and Donna R. Philbrick. Introduction to Financial Accounting, Pearson.
2. Leonardo, A. Robinson, James R. Qanis, C. Wayne Alderman, Accounting Information Systems: A cycle Approach. Publisher Wiley.
3. Marshall, B Romney and Paul, John Steinbart, Accounting Information Systems, Pearson Education Limited.
4. Robert, L. Hurt, Accounting Information Systems: Basic Concepts and Current Issues, McGraw Hill.

Note: Latest edition of readings may be used

Teaching Learning Process

Theory/ numerical with examples, Practical Lab Lectures

Assessment Methods

1. There shall be 4 credit hours for lectures + one credit hour (Two Practical Periods per week per batch) for practical lab + one credit hour for tutorials (per group)
2. Examination scheme for computerized accounting system – Practical for 20 marks. The practical exam will be of one hour
3. Theory exam shall carry 80 marks (Including Internal Assessment of 25 Marks). The theory exam will be of 2.5 hours

Keywords

Financial Statements, Depreciation, Inventory Valuation, Hire Purchase, Branch Accounting, Departmental Accounting

Paper C-2: BUSINESS LAWS

Course Objective

To impart basic knowledge of the important business laws relevant for conduct of general business activities in physical and virtual spaces along with relevant case laws.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand basic aspects of contracts for making the agreements, contracts and subsequently enter valid business propositions.

CO2: be able to recognize and differentiate the special contracts and identify their appropriate usage at varied business scenarios.

CO3: equip the students about the legitimate rights and obligations under The Sale of Goods Act

CO4: enable with skills to initiate entrepreneurial ventures as LLP

CO5: understand the fundamentals of Internet based activities under The Information and Technology Act.

Course Contents

Unit I: The Indian Contract Act, 1872

Contract – meaning, characteristics and kinds, Essentials of valid contract - Offer and acceptance, consideration, contractual capacity, free consent, legality of objects. Void agreements. Discharge of contract – modes of discharge including breach and its remedies.

Unit II: Special Contracts

Quasi – contracts, Contract of Indemnity and Guarantee, Contract of Bailment and Pledge Contract of Agency

Unit III: The Sale of Goods Act, 1930

Contract of sale, meaning and difference between sale and agreement to sell. Conditions and warranties. Transfer of ownership in goods including sale by non-owners. Performance of contract of sale. Unpaid seller – meaning and rights of an unpaid seller against the goods.

Unit IV: The Limited Liability Partnership Act, 2008

Salient Features of LLP, Difference between LLP and Partnership, LLP and Company LLP Agreement. Nature of LLP, Partners and Designated Partners, Incorporation Document Incorporation by Registration, Registered office of LLP and change therein. Change of name, Partners and their Relations. Extent and limitation of liability of LLP and partners. Whistle blowing. Taxation of LLP. Conversion into LLP. Winding up and dissolution of LLP.

Unit V: The Information Technology Act 2000

Definitions under the Act. Digital signature. Electronic governance. Attribution, acknowledgement and dispatch of electronic records. Regulation of certifying authorities. Digital signatures certificates. Duties of subscribers under the Act. Penalties and adjudication. Offences as per the Act.

References

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- Bhushan, Bharat., Kapoor, N.D., Abbi, Rajni, "Elements of Business Law". Sultan Chand & Sons Pvt. Ltd.
 - Dagar, Inder Jeet and Agnihotri, Anurag. Business Laws : Text and Problems. Sage Publication.
 - Jagota R. (2019). Business Laws. MKM Publishers ScholarTech Press.
 - Sharma, J.P. and Kanojia S. (2019). Business Laws. New Delhi. Bharat Law House Pvt. Ltd.
 - Singh, Avtar.(2018). The Principles of Mercantile Law. Lucknow. Eastern Book Company.
 - Tulsian P.C. (2018). Business Law. New Delhi.Tata McGraw Hill

Additional Resources

1. Information Technology Rules 2000 with Information Technology Act 2000, Taxmann Publications Pvt. Ltd., New Delhi.
2. Kuchhal, M C. (2018). Business Laws. New Delhi. Vikas Publishing House.
3. Arora, S. (2015). Business Laws. New Delhi. Taxmann
4. Sharma, J.P. and Kanojia S. (2015). Vyavsayik Sanniyam, Delhi University Hindi Cell.(For Hindi)

Note: Latest edition of readings may be used

Teaching Learning Process

The teaching -learning processes play a vital role in instilling in the student the curiosity to study the subject law. It includes lectures through presentations of case laws, expert lectures, case study approach is widely followed, role plays, seminars, tutorials project- based learning. Case laws comprehension and higher-order skills of reasoning and analysis will be encouraged through teaching strategies.

Assessment Methods

The assessment methods of this course are properly aligned with teaching learning processes and anticipated learning outcomes. It includes oral and written tests, case presentations, peer evaluation, problem solving exercises, observation of practical skills through case laws and viva voce interviews.

Keywords

The Indian Contract Act, 1872, The Sale of Goods Act, 1930, The Limited Liability Partnership Act, 2008

Paper GE-1(A) INTRODUCTORY MICRO ECONOMICS

*Please refer to Page No. 110for details of Introductory Micro Economics

Paper GE-1(B) : ACADEMIC WRITING AND COMPOSITION

Paper GE-1(C): Calculus

*Please refer to Page No. 113 for details of Calculus

Paper GE-1(D): हिंदी सिनेमा

*Please refer to Page No. 113 for details of हिंदी सिनेमा

Paper GE-1(E): POLITICS OF GLOBALIZATION

*Please refer to Page No. 114 for details of Political of Globalization

Paper GE-1(F): Yoga and Stress Management

*Please refer to Page No. 153 for details of Political of Globalization

Semester - II

Paper AEC-2: Environmental Studies/Communication (English/Hindi)*

*Please refer to Page No. 106 for details of Environmental Studies/ AECC-1

Paper C-3: CORPORATE ACCOUNTING

Course Objective

To acquire the conceptual knowledge of corporate accounting and to understand the various techniques of preparing accounting and financial statements

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: develop an understanding of accounting for share capital and debentures

CO2: prepare financial statements of a company

CO3: develop an understanding of cash flow statements

CO4: understand the accounting for amalgamation and liquidation of companies

CO5: prepare consolidated balance sheet for Holding company

Course Contents

UNIT 1: Accounting for Share Capital and Debentures

Introduction to issue of shares and debentures. Issue of rights and Bonus shares, ESOPs and buyback of shares, book building. Underwriting of shares and debentures. Redemption of Preference shares, Redemption of debentures: sinking/debenture redemption fund, open market purchase and conversion of debentures.

Relevant AS and IND-AS as applicable.

UNIT 2: Financial Statements of a Company

Preparation of financial Statement of Joint Stock companies as per schedule III Part I & II (Division I in detail and Division II only on overview)

Relevant AS and IND-AS as applicable

UNIT 3: Cash Flow Statements

Meaning, Usefulness, Preparation of a cash flow statement in accordance with Accounting Standard 3 (Revised) issued by the Institute of Chartered Accountants of India. (Only indirect method), Limitations of cash flow statement.

Relevant AS and IND-AS as applicable

UNIT 4: Amalgamation, Reconstruction and Liquidation of Companies

Concept of Purchase Consideration. Accounting for Amalgamation of Companies (excluding inter-company transactions and holdings) and external reconstruction Accounting for Internal Reconstruction (excluding preparation of scheme for internal reconstruction). Accounting for liquidation of companies. Introduction to the Insolvency and Bankruptcy Code, 2016 and other relevant provisions. Preparation of Statement of Affairs as per the format prescribed by the Act and Deficiency Account

Relevant AS and IND-AS as applicable

UNIT 5: Accounts of Holding Companies/ Parent Companies

Preparation of consolidated balance sheet with one subsidiary company.

Relevant AS and IND-AS as applicable

References

1. Goyal, Bhushan Kumar. Corporate Accounting. Taxmann, New Delhi
2. Kumar, Alok. Corporate Accounting. Kitab Mahal
3. Monga, J. R. Fundamentals of Corporate Accounting. Mayur Paper Backs, New Delhi
4. Sah, Raj Kumar, Concept Building Approach to Corporate Accounting, Cengage
5. Sehgal Ashok & Sehgal Deepak. Corporate Accounting
6. Tulsian P. C. Corporate Accounting. S Chand & Co. New Delhi

Note: Latest edition of readings may be used

Teaching Learning Process

Theory/ numerical with examples

Assessment Methods

Class participation, Presentation, Viva/ test, End Semester Exam

Keywords

Shares, Financial Statements, Cash Flow, Amalgamation, Liquidation, Purchase Consideration, Holding Company

Paper C-4: CORPORATE LAWS

Course Objective

To impart basic knowledge of the provisions of the Companies Act 2013 and the Depositories Act, 1996. Case studies involving issues in corporate laws are required to be discussed.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the regulatory aspects and the broader procedural aspects involved in different types of companies covering the Companies Act 2013 and Rules there under.

CO2: follow the basic legal documents and their usage essential for operations and management of company.

CO3: enable the students to synthesis company processes, meetings and decisions.

CO4: equip the students with framework of dividend distribution and role of auditors in a company.

CO5: comprehend and evaluate working of depositories and their functions in stock markets.

Course Contents

Unit I: Introduction

Meaning and characteristics of a company; Lifting of corporate veil; Administration of Company Law [including National Company Law Tribunal (NCLT), National Company Law Appellate Tribunal (NCLAT), Special Courts]; Types of companies including private and public company, government company, foreign company, one person company, small company, associate company, dormant company and producer company; Association not for profit; Illegal association; Formation of company, promoters, their legal position and pre incorporation contracts; Online registration of a company.

Unit II: Documents and shares

Memorandum of Association and its alteration, Articles of Association and its alteration, doctrine of constructive notice, doctrine of ultra vires and indoor management; Prospectus, Shelf and Red herring prospectus, misstatement in prospectus; book building; Allotment and Forfeiture of share, Sweat Equity, ESOPs, Bonus issue, and Further issue of shares, buyback and provisions regarding buyback; Membership of company.

Unit III: Management and Meetings

Classification of directors-Additional, Alternate and Casual directors, Women directors, Independent director, Small shareholder's director; Director Identity Number (DIN); Appointment, Disqualifications, Removal of directors; Legal positions, Powers and Duties; Key managerial personnel, Managing director, Manager and

Whole Time Director; Board Meetings: meeting through video conferencing; Shareholder meetings: AGM and EGM. Convening and Conduct of meetings: Requisites of a valid meeting; Resolutions; Postal ballot; e-voting.

Unit IV: Dividends, Audit and Winding up

Provisions relating to payment of Dividend, Company Audit-auditor's qualification and disqualifications, Auditor's appointment, Rotation of auditors, Auditor's removal, Auditors' report and Auditor's powers.

Winding Up: Concept and Modes of Winding Up; Provisions of winding up under Insolvency and Bankruptcy Code 2016.

Unit V: The Depositories Act 1996

Definitions; Depositories system; Rights and obligations of depositories; Participants issuers and beneficial owners; Inquiry and inspections; Penalty.

References

- Bhushan, Bharat. Kapoor, N.D., Abbi, Rajni, "Elements of Company Law". Sultan Chand & Sons Pvt. Ltd.
- Chadha R. & Chadha, S.(2018). Company Laws. Scholar Tech Press, Delhi.
- Hicks, Andrew & Goo S.H., (2017) Cases and Material on Company Law, Oxford University Press.
- Kumar, A., (2019)Corporate Laws, Taxmann Pvt Ltd
- Sharma, J.P.(2018). An Easy Approach to Corporate Laws, Ane Books Pvt. Ltd., New Delhi
- The Depositories Act,1996.Bare Act.

Additional Resources

1. Gowar, LCB. (1969). Principles of Modern company Law, Stevens & Sons,London.
2. Ramaiya.(2015). A Guide to Companies Act. Nagpur. Wadhwa Book Company.
3. Hanningan, Brenda.(2018). Company Law, Oxford University Press,U.K.

Teaching Learning Process

The teaching -learning processes play a vital role in instilling in the student the curiosity to study the subject law. It includes lectures through presentations of case laws, expert lectures, case study approach is widely followed , role plays , seminars , tutorials , project- based learning. Case laws comprehension and higher-order skills of reasoning and analysis will be encouraged through teaching strategies.

Assessment Methods

The assessment methods of this course are properly aligned with teaching learning processes and anticipated learning outcomes. It includes oral and written tests, case presentations, peer evaluation, problem solving exercises, observation of practical skills through case laws and viva voce interviews.

Keywords

The Depositories Act 1996, National Company Law Tribunal (NCLT), Insolvency and Bankruptcy Code 2016.

Paper GE-2 (A): INTRODUCTORY MACROECONOMICS

*Please refer to Page No. 116 for details of Introductory Macroeconomics

Paper GE-2(B): THE INDIVIDUAL AND SOCIETY

*Please refer to Page No. 156 see details of following Papers

Paper GE-2 (C) LINEAR ALGEBRA

*Please refer to Page No. 118 for details of Linear Algebra

Paper GE-2 (D): पट कथा और संवाद लेखन

*Please refer to Page No. 119 for details of [पट कथा और संवाद लेखन](#)

Paper GE-2(E): WOMEN, POWER AND POLITICS

*Please refer to Page No. 119 for details of Contemporary Political Economy

Paper GE-2(F): Obesity Management

*Please refer to Page No. 161 for details of Contemporary Political Economy

Semester - III

Paper C-5: HUMAN RESOURCE MANAGEMENT

Course Objective

The objective of this course is to enable learners to understand the importance of human resources and their effective management in organisations.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand basic nature and importance of human resource management.

CO2: analyze the current theory and practice of recruitment and selection.

CO3: realize the importance of performance management system in enhancing employee performance.

CO4: recommend actions based on results of the compensation analysis and design compensation schemes that are cost effective, that increase productivity of the workforce, and comply with the legal framework.

CO5: understand role of modern HRM in meeting challenges of changing business environment.

Course Contents

Unit I: Introduction

Meaning, importance and scope of HRM; Evolution of HRM; functions, status and competencies of HR manager; Human Resource Planning - quantitative and qualitative dimensions; Job analysis—job description and job specification; HR Policies.

Unit II: Recruitment, Selection & Development

Recruitment, selection, placement, induction, and socialization - an overview; Developing Human Resources; Training - need, types, and evaluation; Role specific and competency based training.

Unit III: Performance Appraisal

Performance appraisal- nature and objectives, methods of performance appraisal, potential appraisal & employee counseling; Job changes—transfers and promotions; HR audit.

Unit IV: Compensation

Job evaluation; Compensation—concept and policies, base and supplementary compensation, performance linked compensation—individual, group, and organisation level.

Unit V: Employee Maintenance and Emerging Issues in HRM Employee health and safety, employee welfare, social security (excluding legal provisions); Grievance handling and redressal; Industrial disputes and settlement machinery; Emerging issues and challenges of HRM— employee empowerment, downsizing, work- life balance, use of technology in HRM functions; e-HRM, green-HRM, outsourcing HRM, ethics in HRM (surveillance vs. privacy).

References

- Decenzo, D. A., & Robbins, S. P. (2011). Fundamentals of Human Resource Management . India: Wiley. ● Dessler, G. (2017). Human Resource Management. Pearson.
- Muller-Camen, M., Croucher, R., & Leigh, S. (2016). Human Resource Management: A Case Study Approach . CIPD. Viva Books.
- Pattanayak, B. (2018). Human Resource Management. Delhi. Prentice Hall of India.
- Rao, V. Human Resource Management: Text and Cases. Excel.
- Rastogi, S. Management of Human Resources. Sun India. Latest editions of the books may be used.

Teaching Learning Process

Interactive class room sessions with the help of power point presentations, case discussions and group discussions to ensure active participation and continuous learning.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester

examination

Keywords

Human Resource Planning, Job Analysis, Performance Appraisal, Job Evaluation, Performance Linked Compensation, Ethics

Paper C-6: INCOME TAX LAW AND PRACTICE

Course Objective

This course aims to impart knowledge of law pertaining to levy of income tax in India. It also aims to enable the students to apply the same practically.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the basic concepts in the law of income tax and determine the residential status of different persons.

CO2: identify the five heads in which income is categorised and compute income under the heads 'Salaries' and 'Income from House Property'.

CO3: compute income under the head 'Profits and gains of business or profession', 'Capital gains' and 'Income from other sources'.

CO4: understand clubbing provisions, aggregate income after set-off and carry forward of losses, and deductions allowed under the Income Tax Act; and further to compute taxable income and tax liability of individuals and firms.

CO5: develop the ability to file online returns of income.

Course Contents

Unit1: Introduction

Basic concepts: Income; Agricultural income; Person; Assessee; Assessment year; Previous year; Gross Total Income; Total income; Maximum marginal rate of tax; Permanent Account Number (PAN) *Residential status:* Scope of total income on the basis of residential status; Exempted income under section 10.

Unit 2: Computation of Income under different heads-1

Income from Salaries; Income from House Property

Unit 3: Computation of Income under different heads-2

Profits and gains of business or profession; Capital gains; Income from other sources

Unit 4: Computation of Total Income and Tax Liability

Income of other persons included in assessee's total income; Aggregation of income and set-off and carry forward of losses; Deductions from gross total income; Rebates and reliefs; Computation of total income of individuals and firms; Tax liability of an

individual and a firm; Five leading cases decided by the Supreme Court

Unit 5: Preparation of Return of Income Filing of returns:

Manually, on-line filing of Returns of Income & TDS; Provision & Procedures of Compulsory on-line filing of returns for specified assesses

References

- Ahuja, Girish and Gupta Ravi. Systematic Approach to Income Tax. Bharat Law House, Delhi.
- Singhania, Vinod K. and Singhania Monica. Students' Guide to Income Tax, University Edition. Taxmann Publications Pvt. Ltd., New Delhi.

Additional Resources

Software

- Vinod Kumar Singhania, e-filing of Income Tax Returns and Computation of Tax, Taxmann Publication Pvt. Ltd, New Delhi. Latest version
- 'Excel Utility' available at incometaxindiaefiling.gov.in

Journals

- Current Tax Reporter. Current Tax Reporter, Jodhpur.
- Income Tax Reports. Company Law Institute of India Pvt. Ltd., Chennai.
- Corporate Professionals Today. Taxmann. New Delhi.

Note: Latest edition of readings may be used

Teaching Learning Process

The teaching learning process would include classroom lectures to introduce students to the law pertaining to the levy of income tax. This would be supported by case studies to enable an understanding of the practical implications of the income tax law. Further, to enable the students to apply the law practically, presentations by students and practicals on online filing would be included in the teaching learning process.

Assessment Methods

The assessment methods would include end semester examination, assignments and class tests. Further, practical exams may be conducted to gauge the understanding of students regarding application of relevant provisions of the income tax law.

Keywords

Assessment Year, Previous Year, Assessee Person, Finance Act , Income, Income Tax, Standard Deduction.

Note:

There shall be 4 credit hours for lectures + one credit hour (Two Practical Periods per week per batch) for practical lab + one credit hour for tutorials (per group)

·Practical Examination of 20 marks (External examiner) on E-filing of income tax return using software utility tool. The practical exam will be of one hour. The student is required to fill appropriate form and generate the XML file. ·

Theory exam shall carry 80 marks (Including Internal Assessment of 25 Marks) of a duration of 2.5 hours

Paper C-7: MANAGEMENT PRINCIPLES AND APPLICATIONS

Course Objective

The objective of the course is to familiarize the learner with extant and emerging management theories and practices for reflective and holistic thinking on management principles and practices.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the evolution of management and apprehend its effect on future managers.

CO2: analyze how organisations adapt to an uncertain environment and decipher decision making techniques managers use to influence and control the internal environment.

CO3: comprehend the changes happening in organisation structure over time.

CO4: analyze the relationship amongst functions of management i.e. planning, organizing, directing and controlling.

CO5: appreciate the changing dynamics of management practice.

Course Contents

Unit I: Introduction

Meaning and importance of management; Coordination mechanisms in organisations, management as an eclectic modern discipline; Theory base of management- classical, neoclassical and modern constructions of management; Managerial functions, roles (Mintzberg), levels and competencies.

Unit II: Planning

Organisational objective setting; Decision Making: environment (certainty, risk, uncertainty), and techniques for individual and group decision-making; Forecasting and Scheduling; Planning vis-à-vis Strategy- meaning and elements of environment of business firm -micro (immediate), meso (intermediate e.g. industry), macro (domestic); Industry structure, Business-level strategic planning.

Unit III: Organizing

Division of Labor; Decentralization and Delegation; Organisational forms (Mintzberg); Factors affecting organisational design; Departmentalization; Staffing as a function; Organisational structures and Organograms- traditional and modern - comparative suitability and changes over time, formal- informal organisations' interface.

Unit IV: Directing and Controlling

Motivation- meaning, importance and factors affecting motivation; Leadership - meaning, importance and factors affecting leadership, leadership styles, and followership; Principles of controlling; relationship amongst planning, organizing, directing and controlling; Performing controlling function; Measures of controlling and accountability for performance.

Unit V: Salient Developments and Contemporary Issues in Management

Management challenges of the 21st Century; Factors reshaping and redesigning management purpose, performance and reward perceptions- internationalization; Digitalization; Entrepreneurship & innovation; Values & ethics, holistic purpose and measures of firm performance; Workplace diversity; Democracy and Sociocracy; Subaltern management ideas from India.

References

- Kumar, Pardeep. Management : Principles and Applications. JSR Publication House LP, Delhi.
- Mahajan, J.P. and Mahajan Anupama. Management Principles and applications. Vikas Publications
- Drucker, P. F. (1954). The Practice of Management. Newyork: Harper & Row.
- Drucker, P. F. (1999). Management Challenges for the 21st Century. HarperCollins Publishers Inc.
- Griffin, R. W., Phillips, J. M., & Gully, S. M. (2017). Organisational Behavior: Managing People and Organisations. Cengage Learning.
- Griffin. Management Principles and Application. Cengage.
- Koontz, H., & Weihrich, H. (2012). Essentials of Management: An International and Leadership Perspective. Paperback.

Note: Latest edition of readings may be used

Teaching Learning Process

Interactive class room sessions with the help of power point presentations, case discussions and group discussions to ensure active participation and continuous learning.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

Management Theories, Organisational Design, Motivation, Leadership, Entrepreneurship and Innovation and Workplace Diversity

Paper – GE-3(A): DATA ANALYSIS OR MONEY AND BANKING OR INDIAN ECONOMY I OR ECONOMIC HISTORY OF INDIA

*Please refer to Page No. 122 see details of Indian Economy -1 or Money & Banking or Environmental Economics

Paper GE-3(B): MEDIA AND COMMUNICATION SKILLS

*Please refer to Page No. 156 see details of following Subjects

Paper – GE-3 (C): LINEAR PROGRAMMING AND GAME THEORY

*Please refer to Page No. 126 for details of Differential Equations

Paper – GE-3(D):हिंदी कहानी

*Please refer to Page No. 127 for details of हिंदी कहानी

Paper – GE-3(E): CONTEMPORARY POLITICAL ECONOMY

*Please refer to Page No. 128 for details of Nationalism in India

Paper – GE-3(F): Aerobic Training

*Please refer to Page No. 151 for details of Nationalism in India

Paper – SEC-1(A): E-COMMERCE

Course Objective

To enhance skills for effective and contemporary applications of E-commerce.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the basics of E-commerce, current and emerging business models.

CO2: familiarize with basic business operations such as sales, marketing, HR etc. on the web.

CO3: enhance the students' skills for designing and developing website.

CO4: identify the emerging modes of e-payment.

CO5: understand the importance of security, privacy, ethical and legal issues of e-commerce.

Course Contents •

Unit I: Introduction to E- Commerce

Concepts and significance of E-commerce, driving forces of E-commerce. E-

commerce business models - key elements of a business model and categories. Mechanism Dynamics of World Wide Web and internet- evolution and features; Design and launch of E-commerce website - decisions regarding Selection of hardware and software; Outsourcing vs in house development of a website.

Unit II: Online Business Transactions

Rationale of transacting online, E-commerce applications in various industries (banking, insurance, payment of utility bills and others), e-marketing, e-tailing, online services, e-auctions, online portal, online learning, e-publishing and e-entertainment, online shopping

Unit III: Website Designing

Introduction to HTML tags and attributes: Text formatting, fonts, hypertext links, tables, images, lists, forms, cascading style sheets.

Unit IV: E-payment System

E-payment Methods- Debit card, Credit card, Smart cards, E-Money, E-Wallets; Digital signatures- procedures and legal position; Payment gateways; Online banking- concepts, importance; Electronic fund transfer; Automated Clearing House. Automated Ledger Posting. Emerging modes and systems of E-payment (MPaisa, PayPal and other digital currency).Epayments risks

Unit V: Security and Legal Aspects of E-commerce

E-commerce security - meaning and issues. Security threats in the E-commerce environments security intrusions and breaches, attacking methods like hacking, sniffing, cyber-vandalism etc.; Technology solutions- encryption, security channels of communication, protecting networks, servers and clients. Information Technology Act 2000- provisions related to offences, secure electronic records, digital signatures, penalties and adjudication.

Practical

Designing a Web Page in Notepad and HTML

References

- Agarwala, Kamlesh N., Lal, Amit and Agarwala, Deeksha. "Business on the Net: An Introduction to the whats and hows of E-commerce." Macmillan India Ltd.
- Bajaj KK, Debjani Nag "E-Commerce. Tata McGraw Hill Company" New Delhi
- Chhabra, T.N., Jain, Hem Chand, Jain, Aruna. "An Introduction to HTML" Dhanpat Rai & Co
- Dietel, Harvey M., Dietel, Paul J., and Steinbuhler Kate. E- Business and E-commerce for Managers. Pearson Education.
- Diwan, Parag and Sharma, Sunil " Electronic commerce- A manager's Guide to EBusiness", Vanity Books International ,Delhi
- Elias M. Awad "Electronic Commerce from vision to fulfillment" Third Edition PHI publications.

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- Kosiur, David, "Understanding Electronic Commerce" Prentice Hall of India Private Ltd., New Delhi.
 - Turban, E., et.al. "Electronic commerce: A Managerial perspective" Pearson Education Asia.
 - Whiteley, David, "E-Commerce" McGraw Hill, New York.

Additional Resources

- IT Act 2000
- Kumar A. "Cyber Laws" Book Age Publications, New Delhi

Note: Latest edition of the books should be used.

Teaching Learning Process

A combination of various learning methods like audio-visual materials, class presentations, expert lectures(Webinar), case studies and group discussion using ICT (such as: WhatsApp group, Google Group, Etc.).

Assessment Methods

The methods of assessing the students includes presentations, online/off line quiz, micro research projects, group discussion and class tests. The assessment of webpage includes e-commerce, world wide web, electronic funds transfer, automated clearing house, digital signature and online shopping.

Keywords

E-Commerce, World Wide Web, Hardware, E-Payments, Cyber Law

Note:

- There shall be 3 credit hours for lectures plus 1 credit hour (2 practical periods per week per batch) for practical lab
- Theory exam of 75 marks (including internal assessment of 10 marks for practical + 10 marks for class test/ assignment + 5 marks for attendance) of 2 hours duration
- Practical will be of 1 hour of 25 marks (internal examiner)

Paper SEC-1(B): TRAINING AND DEVELOPMENT

Course Objective

The course aims at exposing the learner to the concept and practice of training and development in the modern organisational setting through the pedagogy of case discussions, practical, experiential learning, and recent experiences.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: learn the practical applications of training and development theories in recent times.

CO2: learn to design training programmes for diverse workforce.

CO3: understand the role of development officers.

CO4: evaluate training and development programmes.

CO5: recognize the mechanism of career development programmes.

Course Contents

Unit I: Nature of Training and Development

Theories of management training and development and practical application of these theories in today's organisations, inputs and gaps in training; Training and development as a source of competitive advantage; Resistance to change.

Unit II: Designing Training Programmes

Training process and practical application of designing programmes in today's environment, methods of training; Human re-engineering, managing change, workmen training, re-training, government initiatives, self-directed work teams, learning curves, managing a diverse workforce.

Unit III: Executive Development

Executive development; Role of development officers, administrators, consultants, designers and instructors; Trends towards performance management and its impact on training professionals.

Unit IV: Evaluation of Training and Development Programmes

Evaluation of training and development programmes- statistical methods; Use of appropriate training and development software packages; Application of distance learning packages, effective training follow-up.

Unit V: Career Development

Career development and planning, career development programmes and counseling, group projects, training for international assignments.

References

- Bhattacharyya, D.K. Training and Development : Theories and Applications. New Delhi. Sage Publications India Pvt. Ltd.
- Lynton, R., & Pareek, U. Training for Development. New Delhi: Vistaar.
 - Phillips, J. J. Hand book of Training Evaluation and Measurement Methods. Houston. Gulf Publishing Co.
 - Prior, J. Handbook of Training and Development. Mumbai: Jaico Publishing House

Additional Resources

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- Donald, F. M. and Yager, E. G. Making the Training Process Work. New York. Harper and Row. Latest edition of the book may be used.

Teaching Learning Process

Interactive class room sessions with the help of power point presentations, case discussions and group discussions to ensure active participation and continuous learning.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

Re-Training, Self-Directed Work Teams, Learning Curves, Performance Management, Career Planning

Paper SEC-1(C): DIGITAL MARKETING

Course Objectives

This course seeks to provide knowledge about the concepts, tools, techniques, and relevance of digital marketing in the present changing scenario. It also enables the student to learn the application of digital marketing tools and acquaint about the ethical and legal aspects involved therein.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: identify and assess the impact of digital technology in transforming the business environment and also the customer journey.

CO2: understand how marketers think, conceptualize, test continuously to optimise their product search on digital platforms.

CO3: illustrate how the effectiveness of a digital marketing campaign can be measured

CO4: demonstrate their skills in digital marketing tools such as SEO, Social media, and Blogging for engaging the digital generation.

CO5: appreciate the need for regulatory framework for digital marketing in India.

Course Contents

Unit I: Introduction

Concept, scope, and importance of digital marketing. Traditional marketing versus

digital marketing. Challenges and opportunities for digital marketing. Digital penetration in the Indian market. Digital marketing landscape: an overview.

Unit II: Digital Marketing Management

Digital-marketing mix. Segmentation, Targeting, Differentiation, and Positioning: Concept, levels, and strategies in a digital environment; Digital technology and customer-relationship management. Digital consumers and their buying decision process.

Unit III: Digital Marketing Presence

Concept and role of Internet in marketing. Online marketing domains. The P.O.E.S-M framework. Website design and Domain name branding. Search engine optimisation: stages, types of traffic, tactics. Online advertising: types, formats, requisites of a good online advertisement. Buying models. Online public relation management. Direct marketing: scope and growth. E-mail marketing: types and strategies.

Unit IV: Interactive Marketing

Interactive marketing: concept and options. Social media marketing: concept and tools. Online communities and social networks. Blogging: types and role. Video marketing: tools and techniques. Mobile marketing tools. PPC marketing. Payment options.

Unit V: Ethical and Legal Issues

Ethical issues and legal challenges in digital marketing. Regulatory framework for digital marketing in India.

References

- Chaffey, D, F.E. Chadwick, R. Mayer, and K. Johnston (2015). Internet Marketing: Strategy, Implementation, and Practice. Pearson India
- Frost, Raymond D., Alexa Fox, and Judy Strauss (2018). E- Marketing. Routledge
- Gupta, Seema (2018). Digital Marketing. McGraw Hill Education (India) Private Ltd.
- Kapoor, Neeru. E-Marketing, Pinnacle learning
- Kotler, Philip, Hermawan Kartajaya, and Iwan Setiawan (2017). Digital Marketing: 4.0 Moving from Traditional to Digital. Pearson India
- Ryan, Damian and Jones Calvin (2016). Understanding Digital Marketing: Marketing Strategies for engaging the Digital Generation. Kogan page

Additional Resources

- Blanchard O. (2014) Social Media ROI: Managing and Measuring Social Media Efforts in Your Organisation.
- Charlesworth, Alan (2018). Digital Marketing: A Practical Approach.
- Gay, Richard, Alan Charlesworth, and Rita Esen. Online Marketing: a customer-led approach. Oxford University Press Inc., New York.

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- Ryan, Damian (2016). Understanding Digital Marketing: Marketing Strategies for engaging the Digital Generation.
 - Tasner, M. (2015) Marketing in the Moment: The Digital Marketing Guide to Generating More Sales and Reaching Your Customers First, 2/E, Pearson

Note: Latest edition of readings may be used

Teaching Learning Process

The teaching and learning process for this course includes case discussions on digital marketing strategies via case lets of leading click-and-click only and brick-and-click companies; interactive sessions/group discussion in classes on companies with best digital practices, on effective ad campaigns, on mobile marketing-in-app promotions, smart lecture classes for introducing and understanding theoretical concepts in every unit of the course; experiential learning in content creation via blogs, emails etc., student development workshops by industry experts in specialised areas like SEO tactics, website development, social media/ video marketing, mentoring regularly via e-tutorials/e-labs/Moodle app

Assessment Methods

Written, Objective and Descriptive Class tests, Individual and tutorial group based presentations, e-assignments, Continuous assessment in terms of participation in class, e-tutorials and class presentations.

Keywords

Digital Marketing, E- Marketers, E-Customers, Digital Marketing Mix, Segmentation and Positioning Strategies, E-CRM, Consumer Buying Process, Internet.

Paper SEC-1(D): PERSONAL TAX PLANNING

Course Objective

To provide basic knowledge of Income Tax and its planning to students in easily comprehensible manner with a view to equip them to use the legitimate tool of planning in their economic life.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the concept of tax planning, use the residential status to plan the scope of income and devise tax planning strategy in relation to agricultural income.

CO2: apply critical thinking and problem solving skills related to minimization of tax liability of individuals with respect to salary income and understand how to develop efficient pay packages

CO3: devise tax planning strategies in relation to house property and understand the presumptive scheme of taxation of computing business income.

CO4: use Indexation technique to reduce capital gains tax and learn about specific exemptions available from capital gains.

CO5: use deductions to reduce taxable income and use rebates to reduce tax liability.

Course Contents

Unit 1: Concept of Tax Planning

(i) Meaning of tax planning, tax avoidance, tax evasion and tax management; Objectives of tax planning; Case studies relating to tax planning, tax avoidance, tax evasion and tax management.

(ii) Tax Planning with reference to residential status: Relevance of residential status in computing taxable income; Determination of residential status of an individual, HUF, company, other persons; Relationship between residential status and incidence of tax; Case studies relating to residential status; Double taxation relief under Sections 90 and 91.

(iii) Provisions relating to concept of agricultural income; Composite income; Tax treatment and tax planning of agricultural income.

Unit 2: Tax Planning with Reference to Salary Income

(i) Tax planning in respect of salary income: Bonus; Fees; Commission and allowances; Valuation of perquisites; Allowances; Retirement benefits like gratuity, leave encashment, pension tax relief under Section 89 (1) (arrears of salary).

(ii) Case studies based on designing pay package.

Unit 3: Tax Planning in relation to Income from House Property and Business Income

(i) Tax Planning in respect of self-occupied house property, let-out house property partly let out and partly self-occupied house property; and property used for business or profession of the assessee.

(ii) Set-off and carry forward of house property losses.

(iii) Tax planning related to Section 80C.

(iv) Tax Planning related to business income covering: - Presumptive schemes of computing business income (Section 44AD, 44ADA, 44AE) - Provisions relating to maintenance of accounts (Section 44AA) - Provisions relating to audit of accounts (Section 44AB)

Unit 4: Tax Planning in relation to Capital gains and other sources

(i) Tax planning with reference to long-term and short-term capital assets and choice of priceinflation indexation; Capital gains on equity and non-equity financial instruments.

(ii) Tax planning in relation to gifts received from relatives and non-relatives.

Unit 5: Other Areas of Tax Planning

i) Income of others' liable for clubbing.

ii) Deductions under Sections 80C, 80CCD(1), 80CCD(1B) , 80CCD (2), 80D, 80DD, 80DDB, 80E, 80G, 80TTA, 80TTB

iii) Rebate under Section 87A.

References

- Ahuja, Girish and Ravi Gupta. Systematic Approach to Income Tax. Bharat Law House, Delhi.
- Singhanía, Vinod K. and Monica Singhanía. Students' Guide to Income Tax, University Edition. Taxmann Publications Pvt. Ltd., New Delhi.

Additional Resources

- Current Tax Reporter. Current Tax Reporter, Jodhpur.
- Income Tax Reports. Company Law Institute of India Pvt. Ltd., Chennai
- Corporate Professionals Today. Taxmann. New Delhi.

Note: Latest edition of readings may be used

Teaching Learning Process

The teaching learning process would include classroom lectures to introduce students to the tax planning tools with regard to income tax. This would be supported by case studies to enable an understanding of the practical aspects of tax planning. In addition, class presentations and class discussion to be included in the teaching learning process.

Assessment Methods

The assessment methods would include end semester examination and assignments. Further, class tests may be conducted to gauge the understanding of students regarding tax planning and application of relevant provisions of the income tax law.

Keywords

Tax Planning, Residential Status, Double Taxation Relief, Agricultural Income, Perquisites, Allowances, Rebate, Deductions, Presumptive Taxation, Indexation

Paper SEC-1(E): COMMUNICATION AND DOCUMENTATION IN BUSINESS

Course Objective

The course aims to enhance written and verbal communication/ presentation skills amongst the learners and ability to frame effective documentation both in digital and non-digital environment.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: realize the significance of effective communication in business.

CO2: learn business vocabulary and understand varied ways/methods to present business plans.

CO3: gain knowledge on drafting of official letters and documents.

CO4: develop appropriate skills for report writing and different ways of

documentation.

CO5: understand the role of information technology for enabling business communication and documentation.

Course Contents

Unit I: Communication Roles and Flows in Organisations

Meaning, importance (costs & rewards) and process of communication (with reference to Mintzberg's managerial roles) and documentation in business; Types of communication; Communication breakdown and rumors; Effective communication.

Unit II: Business Language and Presentation

Business, commercial and managerial vocabulary – terms used in trade, business plans/ proposals, presenting business plans, multimedia corporate presentations.

Unit III: Business Correspondence & Documentation

Letter writing, presentation, inviting quotations, sending quotations, placing orders, sales letters, claim & adjustment letters; Job application letter, preparing the resume; Social and public relations correspondence; Drafting simple contracts and deeds (non-legal); Project on legal documentation for bank transactions; Property documentation; Contract of employment etc.; Memorandum, inter-office memo, notices, note-sheet, agenda, minutes; Creating, storing/ archiving and retrieving folders/ documents.

Unit IV: Report Writing

Define the basic format of a report; Steps in report writing; Identify the types of reports; Inserting visuals such as tables, diagrams and charts in writing report; Citation rules (APA style documentation); Working with the features of word processing software; Document and folder naming and classification.

Unit V: Technology and Business Communication and Documentation

Use of digital platforms in business communication; Document sharing and collaborative working; Privacy and data security issues in business communication and documentation.

References

- Andrews, Deborah C. and Andrews, William D. (2003). Management Communication: A Guide. Cengage Learning.
- Locker and Kaczmarek. (2009). Business Communication: Building Critical Skills. The McGraw- Hill Companies, Inc.
 - Newman, Amy. (2017). Business Communication: In Person, In Print, Online. Cengage Learning.
 - Shirley, Taylor (2005). Communication for Business. Pearson Education
 - Smallwood, Robert F. and Williams, Robert F. (2013). Managing Electronic Records: Methods, Best Practices, and Technologies. John Wiley and Sons.

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- Wilson, Kevin and Wauson, Jennifer (2011). The AMA Handbook of Business Documents: Guidelines and Sample Documents That Make Business Writing Easy. Paperback.

Note: Latest edition of readings may be used

Teaching Learning Process

Interactive class room sessions with the help of power point presentations, case discussions and group activities to ensure active participation and continuous learning.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

Communication Process, Letter Writing, Report Writing, Word Processing Software, Business Plans, Privacy and Data Security.

Paper SEC-1(F): PERSONAL FINANCE AND PLANNING

Course Objective

To familiarize the students with different aspects of financial planning like savings, investment, taxation, insurance & retirement planning and to develop necessary skills to become a successful financial planner.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the meaning and relevance of Financial Planning.

CO2: familiarize with regard to the concept of Investment Planning and its methods.

CO3: examine concept of Personal Tax Planning.

CO4: analyze Insurance Planning and its relevance

CO5: develop insights in to Retirement planning and its relevance

Unit I: Introduction to Financial Planning

Financial goals, Time value of money, steps of financial planning, personal finance/loans, education loan, car loan & home loan schemes. Introduction of savings, benefits of savings, management of spending & financial discipline, Net banking and UPI, digital wallets, security and precautions against Ponzi schemes and online frauds such as phishing, credit card cloning, skimming etc.

Unit: II Investment planning

Process and objectives of investment, Concept and measurement of return & risk for various assets class, Measurement of portfolio risk and return, Diversification & Portfolio formation. Real estate, financial derivatives & Commodity market in India. Mutual fund schemes including SIP.

Unit III: Personal Tax Planning

Tax Structure in India for personal taxation, Steps of Personal tax planning, Exemptions and deductions for individuals, tax avoidance versus tax evasion.

Unit IV: Insurance Planning

Need for Protection planning. Risk of mortality, health, disability and property. Importance of Insurance: life and non-life insurance schemes.

Unit V: Retirement Planning

Retirement Planning Goals, Process of retirement planning, Pension plans available in India, Reverse mortgage, New Pension Scheme.

Practical Note:

Practical exposure is recommended to develop skills required for a financial planner.

References

- *Introduction to Financial Planning (4th Edition 2017)* – Indian Institute of Banking & Finance
- *Pandit, Amar The Only Financial Planning Book that You Will Ever Need*, Network 18 Publications Ltd (CNBC TV 18)
- Sinha. Madhu, *Financial Planning: A Ready Reckoner* July 2017 Mc Graw Hill

Additional Resources

- Halan, Monika, *Lets Talk Money: You've Worked Hard for It, Now Make It Work for You*, July 2018, Harper Business
- Tripathi, Vanita, *Fundamentals of Investment*, Taxmann

Note: Latest Editions of the text books may be used.

Teaching Learning Process

The course on Personal finance and planning is designed to familiarize the students with different aspects of financial planning like savings, investment, taxation, insurance & retirement planning and to develop necessary skills to become a successful financial planner, the teaching learning process will be based on lectures, seminars and project work.

Assessment Methods

The assessment of the students must be aligned with the course learning outcomes and requires Class Participation, Class Test, Assignment, Project Work, End Semester Examination

Keywords

Financial Planning, Investment Planning, Personal Tax Planning, Insurance Planning, Retirement Planning

Semester - IV

Paper C-8: COST ACCOUNTING

Course Objective

To provide an in-depth study of the cost accounting principles for identification, classification and analysis of cost components and cost ascertainment in different industries using various costing methods

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand thoroughly the conceptual framework of Cost Accounting; identification of differences between different financial and cost accounting; cost concepts and elements of cost; preparation of cost sheet.

CO2: understand the accounting and control of material and labour cost.

CO3: develop ability to understand classification, allocation, apportionment and absorption of overheads in cost determination; under and over absorption of overheads; treatment of various item of overheads

CO4: develop ability to calculate the cost of products, jobs, contracts, processes and services after understanding the basic concepts and processes involved in them.

CO5: understand cost accounting book keeping systems and reconciliation of cost and financial account profits

Course Contents

Unit 1: Introduction

Meaning, scope, objectives and advantages of cost accounting; Difference between financial and cost accounting. Cost concepts and classifications, Overview of elements of cost and Cost sheet. Role of a cost accountant in an organisation. Introduction to Cost Accounting Standards & Cost Accounting Records and Audit Rules

Unit II: Elements of Cost: Material and Labour

(a)Materials: Material/inventory control techniques. Accounting and control of purchases, storage and issue of materials. Inventory systems, Methods of pricing of materials issues — FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost; Physical Verification, Accounting treatment and control of losses— Wastage, scrap, spoilage and defectives

(b) Labour: Accounting and Control of labour cost. Time-keeping and time-booking. Concept and treatment of idle time, over time, labour turnover and fringe benefits. Methods of wage payment and Incentive schemes- Halsey, Rowan, Taylor's differential piece wage.

Unit III: Elements of Cost: Overheads

Classification, allocation, apportionment and absorption of overheads, Under- and

overabsorption; Capacity Levels and Costs; Treatments of certain items in costing like interest on capital, packing expenses, bad debts, research and development expenses. Activity based costing.

Unit IV: Methods of Costing

Unit costing, Job costing, Contract costing, Process costing (including process losses, valuation of work-in-progress, joint and by-products). Service costing (only transport).

Unit V: Cost Accounting Book-Keeping Systems

Integral and non-integral systems; Reconciliation of cost accounting records with financial accounts.

Readings

- Arora, M.N. Cost Accounting-principles and practice. Vikas Publishing House, New Delhi.
- Jhamb, H. V. Fundamentals of Cost Accounting. Ane Books Pvt Ltd, New Delhi
- Lal, Jawahar., and Srivastava, Seema. Cost Accounting. McGraw Hill Publishing Co., New Delhi.
- Singh, Surender. Fundamentals of Cost Accounting. Kitab Mahal, Allahabad/New Delhi.

Additional Resources

- Drury, Colin. Management and Cost Accounting. Thomson Learning.
- Horngren, Charles T., George Foster and Srikant M. Dattar. Cost Accounting: A Managerial Emphasis. Prentice Hall of India Ltd., New Delhi.
- Jain, S.P., and Narang, K.L. Cost Accounting: Principles and Methods. Kalyani Publishers, Jalandhar.

Note: Latest edition of text books may be used.

Teaching Learning Process

Theory, numerical and analytical and theoretical cases

Assessment Methods

Class participation, Presentation, class tests, assignments, End Semester Exam

Keywords

Elements of cost, overheads, Process costing, Reconciliation of cost

Paper C-9: BUSINESS MATHEMATICS

Course Objective

The objective of this course is to familiarize the students with the basic mathematical tools with special emphasis on applications to business and economic situations.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: comprehend the concept of systematic processing and interpreting the information in quantitative terms to arrive at an optimum solution to business problems.

CO2: develop proficiency in using different mathematical tools (matrices, calculus, linear programming, and mathematics of finance) in solving daily life problems.

CO3: acquire competence to use computer for mathematical computations, especially with Big data.

CO4: obtain critical thinking and problem-solving aptitude.

CO5: evaluate the role played by mathematics in the world of business and economy.

Course Contents

Unit I: Matrices and Determinants

1.1 Definition and types of matrix, Algebra of matrices, Inverse of a matrix- Business Applications.

1.2 Solution of system of linear equations (having unique solution and involving not more than three variables) using matrix inversion method and Cramer's Rule.

1.3 Leontief Input Output Model (Open Model Only)

Unit II: Basic Calculus

2.1 Mathematical functions and their types (linear, quadratic, polynomial, exponential, logarithmic and logistic function). Concepts of limit and continuity of a function.

2.2 Concept of Marginal Analysis. Concept of Elasticity, Applied Maxima and Minima problems including effect of Tax on Monopolist's Optimum price and quantity, Economic Order Quantity.

Unit III: Advanced Calculus

3.1 Partial Differentiation: Partial derivatives up to second order. Homogeneity of functions and Euler's theorem. Total differentials. Differentiation of implicit functions with the help of total differentials.

3.2 Maxima and Minima involving two variables - Applied optimization problems and Constraint optimization problems using Lagrangean multiplier involving two variables having not more than one constraint.

3.3 Integration: Standard forms & methods of integration- by substitution, by parts and by use of partial fractions. Definite integration. Finding areas in simple cases

3.4 Application of Integration to marginal analysis; Consumer's and Producer's Surplus. Rate of sales, The Learning Curve.

Unit IV: Mathematics of Finance

4.1 Rates of interest: nominal, effective and their inter-relationships in different compounding situations.

4.2 Compounding and discounting of a sum using different types of rates. Applications relating to Depreciation of assets and Equation of value.

4.3 Types of annuities: ordinary, due deferred, continuous, perpetual. Determination of future and present values using different types of rates of interest. Applications relating to Capital expenditure, Leasing, Valuation of simple loans and debentures, sinking fund. (excluding general annuities).

Unit V: Linear Programming

5.1 Formulation of Linear programming problems (LPPs), Graphical solutions of LPPs. Cases of unique solutions, multiple optional solutions, unbounded solutions, infeasibility, and redundant constraints.

5.2 Solution of LPPs by simplex method - maximization and minimization cases. Shadow prices of the resources, Identification of unique and multiple optimal solutions, unbounded solution, infeasibility and degeneracy.

5.3 The dual problem: Formulation, relationship between Primal and Dual LPP, Primal and Dual solutions (excluding mixed constraints LPPs). Economic interpretation of the dual.

Practical Lab

In addition to the lectures, the students are expected to work on a software package for solving linear programming problems, problems related to mathematics of finance and analyze the results obtained there from. This will be evaluated through internal assessment.

References

- Kapoor, V.K. Business Mathematics, Theory & Applications. Sultan Chand & Sons
- Sharma, S.K. & Kaur, Gurmeet. Business Mathematics. Sultan Chand
- Thukral, J.K. Business Mathematics. Mayur Publications.

Additional Resources:

- Anthony, M. and Biggs, N. Mathematics for Economics and Finance. Cambridge University Press
- Ayres, Frank Jr. Theory and Problems of Mathematics of Finance. Schaum's

Outlines Series. McGraw Hill Publishing Co.

- Budnick, P. Applied Mathematics. McGraw Hill Publishing Co.
- Dowling, E.T. Mathematics for Economics. Schaum's Outlines Series. McGraw Hill Publishing Co.
- Wikes, F.M. Mathematics for Business, Finance and Economics. Thomson Learning

Note: Latest edition of text books may be used.

Teaching Learning Process

This course is well structured and sequenced attainment of knowledge and skills. It will constitute an important aspect of teaching learning process. the course would involve lectures supported by group tutorials, open ended projects and self study

Assessment Methods

The Assessment for this paper would include a theory exam of 75 marks and Internal assessment of 25 marks. Internal assessment will include 10 marks for practical exam, 10 marks for class tests/assignments, and 5 marks for attendance. There shall be 4 Credit Hrs. for Lectures + one Credit Hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr. for Tutorials (per group).Use of simple calculator is allowed. Proofs of theorems/ formulae are not required. Trigonometric functions are not to be covered.

Keywords

Matrices and Determinants, Basic Calculus, Advanced Calculus, Mathematics of Finance, Linear Programming

PAPER C-10: COMPUTER APPLICATIONS IN BUSINESS

Course Objective

To provide computer knowledge to commerce students and equip them with computational skills using ICT tools.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the various concepts and terminologies used in computer networks and internet and be aware of the recent developments in the fast changing digital business world.

CO2: handle document creation for communication.

CO3: acquire skills to create and make good presentations

CO4: make various computations in the area of accounting and finance and represent the business data using suitable charts. S/He should be able to manipulate and analyze the business data for better understanding of the business environment and decision making

CO5: understand and apply the various database concepts and tools in the related business areas with the help of suggested popular software.

Course Contents

Unit1: Data Processing, Networking and Recent trends in computing

Computing: Concept of computing, Data and information; Computing Interfaces: GUI, CLI, Touch Interface, NLI; data processing; applications of computers in business.

Computer Networks: Meaning of computer network; objectives/ needs for networking; Applications of networking; Basic Network Terminology; Types of Networks; Network Topologies; Distributed Computing: Client Server Computing, Peer- to- peer Computing; Wireless Networking; Securing Networks: firewall.

Basic Internet Terminology: I.P. Address, Modem, Bandwidth, Routers, Gateways, Internet Service Provider (ISP), World Wide Web (www), Browsers, Search Engines ,Proxy Server, Intranet and Extranet; Basic Internet Services; Internet Protocols: TCP/IP, FTP, HTTP(s), Uses of Internet to Society; Cyber Security: Cryptography, digital signature.

Recent trends in computing : Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; Cloud computing: meaning, types of cloud services: IaaS, PaaS, SaaS; Grid Computing; Virtualization; Green Computing; E-Commerce: **meaning, business models , Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT)**

Unit 2: Word Processing

Introduction to word Processing, Word processing concepts, Use of Templates, Working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect, Autotext; Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Header and footer, Tables: Inserting, filling and formatting a table; Inserting Pictures and Video; Mail Merge: including linking with Databases and spreadsheet files; Printing documents; Citations and Footnotes. **Creating Business Documents using the above facilities**

Unit 3: Preparing Presentations

Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, hyperlinking, Media; Design; Transition; Animation; and Slideshow. **Creating Business Presentations using above facilities**

Unit 4: Spreadsheet and its Business Applications

Spreadsheet concepts, Managing worksheets; Formatting, conditional formatting, Entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs;

Working with Multiple worksheets; controlling worksheet views, naming cells and cell ranges.

Spreadsheet functions: Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference, Database functions, Text functions and Error functions

Working with Data: Sort and filter; Consolidate; Tables; Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager; Data analysis ToolPak; Descriptive Statistics, Moving averages, Histogram, Covariance, correlation and Regression analysis (only for projection)

Creating business spreadsheet: Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Correlation and Regression Analysis

Unit 5: Database Management System (Theory)

Theoretical background of Database Designs for Accounting and Business Applications: Database, Database Management System, Database System; Comparison of Database System with Traditional File System; Entity Relationship Model (ER-Model); Relational Database Model: Creating Relationship between Tables, Concept of Keys, Fundamental Integrity Rules; ERD to Relational Mapping; Normalization of databases upto 3 Normal Forms

SQL and Retrieval of Information: Basic Queries in SQL; Embedded Queries in SQL; Insert, Delete and Update statements in SQL **DBMS Software:** Environment; Tables; Forms; Queries; Reports; Modules; Applying DBMS in the areas of Accounting, Inventory, HRM and its accounting, Managing the data records of Employees, Suppliers and Customers.

Practical

Note: There shall be 4 credit hours (4 lectures) and 2 credit hours (4 practical lab periods) per batch.

References

- Elmasari, Ranez and Shamkant B. Navathe, Fundamentals of Database Systems, Pearson Education
- Jain Hem Chand and Tiwari H. N. (2019), Computer Applications in Business, Taxmann
- Madan Sushila, Computer Applications in Business, Scholar Tech Press.
- Mathur Shruti and Jain Pooja, Computer Applications in Business, Galgotia Publishing Company
- Sharma S.K. and Bansal Mansi, Computer Applications in Business, Taxmann
- Wayne Winston, Data Analysis & Business Modeling, PHI. Additional Sources
- Simon Benninga, Financial Modeling, The MIT Press

Note: The latest editions of the books should be referred.

Teaching Learning Process

The course would involve lectures supported by group discussion, real life projects, open ended projects and hands-on-practice in computer labs.

Assessment Methods

There shall be practical examination of 50 Marks (2 hours duration (External)), theory exam of 25 marks (1 hour duration) and Internal Assessment of 25 marks (Class Test-10 Marks, Work Book- 10 Marks and attendance- 5 marks).

Keywords

Computer Application in Business, Spreadsheet Solver, Database Management System, Mail Merge, Word Processing, Data Analysis, Pivot Table

Note: Latest edition of text book may be used.

Paper –GE-4(A): PUBLIC FINANCE OR INDIAN ECONOMY-2 OR GLOBAL POLITICAL ECONOMY OR GAME THEORY

*Please refer to Page No. 130 see details of Indian Economy-2 or Public Finance or Economic History of India

Paper GE-4(B): TEXT AND PERFORMANCE: WESTERN PERFORMANCE THEORIES AND PRACTICES

*Please refer to Page No. 156 see details of following Papers

Paper - GE-4(C): ELEMENTS OF ANALYSIS

*Please refer to Page No. 135 for details of Elements of Analysis

Paper - GE-4(D): हिंदी का वैश्विक परिदृश्य

*Please refer to Page No. 135 for details of हिंदी का वैश्विक परिदृश्य

Paper - GE-4(E): GANDHI AND CONTEMPORARY WORLD

*Please refer to Page No. 136 for details of Feminism: Theory and Practics

Paper - GE-4(F): Fitness And Exercise Management

*Please refer to Page No. 136 for details of Feminism: Theory and Practics

Paper SEC-2(A): COMPUTERISED ACCOUNTING SYSTEM

Course Objectives

This course seeks to enhance the skills of a commerce student needed for accounting for business transactions using Computerized accounting system.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand Computerized Accounting System environment

CO2: create structure of Computerized Accounting System for a business firm

CO3: record day to day business transactions in Computerized Accounting System

CO4: make necessary tax adjustments while recording business transactions and to generate various Accounting Reports for analysis and decision making

CO5: perform verification and audit activities for the voucher entries passed in computerized accounting environment.

Course Content

Unit-1: Computerised Accounting System

Computerised Accounting Systems: Basics of Computerised accounting systems; Difference between manual and computerized Accounting system; factors affecting selection of suitable Computerised accounting software; Procurement and installation of Computerised accounting software; Using any popular accounting software: Create, Select, shut, and delete a Company; setting security features of company; Date and Period features; Configure and Features settings; Backup and Restore data of a Company

Unit-2: Creating Masters

Creating Accounting Ledgers and Groups: Single Create Vs. Multiple Create, creating ledger under a group and entering opening balance Creating Stock Items and Groups: Creating Unit of Measurement, creating Stock Groups using Single or multiple create feature under an existing group, creating Stock items using Single or multiple feature under an existing group

Unit-3: Voucher Entry

Types of vouchers; selection of voucher type for transactions; Vouchers Entry: Voucher Number and date settings, Voucher entry with more than one debit or credit accounts, Editing and deleting a voucher, Printing of Voucher and Cheque.

Unit-4: Taxation and Generating Reports

Taxation: Accounting for Tax Deducted at Source, Tax Collected at Source, and Goods and Service Tax Generating Reports: Cash Book, Ledger Accounts, Trial Balance, Profit and Loss Account, Balance Sheet, Funds Flow Statement, Cash Flow Statement

Unit-5: Auditing

Auditing in Computerized Accounting system: Statutory Audit, Voucher verification, Verification of related party transaction, CAAT: Various Tools

Practical

There shall be 2 credit hours (2 lectures) and 2 credit hours (4 practical lab periods) per batch per week.

References

- Nadhani, Ashok K, Tally ERP 9 Training Guide, BPB Publications
- Tally ERP 9 book advanced user, Swayam Publication (www.tallyerp9book.com)

Note: Latest edition of readings may be used

Teaching Learning Process

The course would involve lectures supported by group discussion, real life projects, open ended projects and hands-on-practice in computer labs.

Assessment Methods

There shall be a practical examination of 100 Marks divided into Practical Examination 75 marks (3 hour duration) + Viva/Test 10 marks + Work Book 10 marks + Attendance 5 marks.

Keywords

Computerized Accounting System, Taxation, Auditing

Paper SEC-2(B): : BUSINESS RESEARCH METHODS AND ANALYTICS

Course Objectives

The course provides basic understanding of business research and analytics. Primary objective of this course is to orient and develop a research acumen among students and also to acquaint them with fundamentals of research. It also aims to equip the students with analytical skills to enhance business decision making in real life situations

Course Learning Outcome

After completing the course, the student shall be able to:

CO1: understand meaning and scope of business research.

CO2: familiarize with research terminologies and various types of research design.

CO3: get an insight into various scaling techniques and sources of data collection.

CO4: get acquainted with various techniques of data analysis and its implications.

CO5: have basic learning of analytics in business.

Course Contents

Unit I: Introduction to Business Research

Meaning and Scope of Business Research; Types of Research- qualitative, quantitative, longitudinal, cross-sectional, fundamental, applied, conceptual and empirical; Characteristics of Good Research; Steps in Research Process; Ethics in Research.

Unit II: Language of Research

Proposition and Hypothesis; Concept and Construct; Attribute and Variable; Theory and Model; Induction and Deduction Approach; Research Design and Types

(Exploratory, Descriptive and Experimental).

Unit III: Scaling and Data Collection

Measurement and Scaling; Primary scales of Measurement (Nominal, Ordinal, Interval and Ratio); Scaling Methods (Comparative-paired, rank order, constant sum and Q Sort, Non comparative-Likert, Semantic Differential and Staple); Reliability and Validity; Meaning and Sources of Primary and Secondary Data; Questionnaire Design; Census and Survey Method; Designing Sample Survey; Probability and Non-Probability Sampling Techniques.

Unit IV: Data Analysis and Interpretation

Introduction to Univariate and Bivariate Analysis; Classification and Presentation of Data - Bar, Pie, Line, Histogram and Box-Plot; Descriptive Analysis-Measurement of Central Tendency, Position and Dispersion; Introduction to Inferential Statistics-Hypothesis testing (t, z, F and Chi-square test); Report Writing- types and format.

Unit V: Analytics in Business

Introduction to Analytics, Analysis and Business Analytics; Overview of Machine Learning and Artificial Intelligence; Types of Analytics (Descriptive, Predictive and Prescriptive); Application of Analytics in Business Functions.

References

- Bryman, A., Bell, E. and Harley, B. (n.d.). Business research methods, Oxford University Press.
- Dangi, H., Dewan, S., Business research methods, Cengage Learning India Pvt. Ltd.

Additional Resources

- Albright, S.C., Wayne, L., Winston, W.L., Business Analytics: Data Analysis and Decision making (5th edition), Cengage Learning Limited.
- Lawrence Neuman, W., Social Research Methods: Quantitative and Qualitative Approaches, Pearson
- Pattern, M.L., Newhart, M., Understanding Research Methods: An Overview of the Essentials, Routledge

Note: Latest edition of readings may be used

Teaching Learning Process

This course is well structured and sequenced attainment of knowledge and skills. It will constitute an important aspect of teaching learning process. The course would involve lectures supported by group tutorials, open ended projects and self-study

Assessment Task

Closed book examination, Team assignment, internal and external examination.

Keywords

Paper SEC-2(C): LEADERSHIP AND TEAM DEVELOPMENT

Course Objective

The underlying objective of this course is to create an in-depth understanding of the concept of leadership and team building as well as help undergraduate students to examine leadership in contemporary context and learn principles of building highly effective teams.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: gain theoretical and practical knowledge to evaluate leadership skills, styles and strategies in contemporary world so as to become a successful leader and effective employee in organisation.

CO2: understand the group dynamics and group decision making so as to develop acumen to utilize the leadership and team building concepts, tools and techniques to handle the complex organisational problems at different levels.

CO3: recognize the dynamics of group decision making.

CO4: understand the working of various teams in organisations.

CO5: evaluate the role of women as leader and using various social media platforms as effective means of communication in contemporary world as a leader.

Course Contents

Unit I: Leadership

Styles and attributes of Leadership; Transactional and transformational leadership; Ethical leadership, culture and leadership (the emerging trends in leadership are to be discussed with case studies and projects).

Unit II: Groups and Group Processes

The nature and types of groups; Group dynamics- group cohesion, group roles and group norms, threat to group effectiveness; Managing group and inter-group dynamics; Managing culturally diverse groups.

Unit III: Leaders and Group Decisions

Group decision making; Power and influence in teams; Leadership and team empowerment; Challenges in team decision making.

Unit IV: Team Building and Team Effectiveness

Group vs. team; Evolution of group into teams; Stages of team development (team development case studies); Emotionally intelligent teams; Characteristics of effective team; Collaborative communication in teams; Problem solving and conflict resolution in teams.

Unit V: Emerging Trends in Leadership

Women in leadership; Leadership skills- coaching and mentoring; leadership and social media.

Practical

Case studies can be used in teaching various units.

References

- Luthans, F. (1997). Organisational Behavior. McGraw-Hill International Editions.
- Robbins, S. T., Judge, T. A., & Hasham, E. S. (2013). Organisational Behavior. Pearson.
- Singh, K. (2015). Organisational Behavior: Texts & Cases (3rd Edition ed.). India: Pearson.
- Griffin, R. W., Phillips, J. M., & Gully, S. M. (2017). Organisational Behavior: Managing People and Organisations. Cengage Learning.
- Greenberg, J., & Baron, R. A. Behavior in Organisations. Prentice Hall of India Pvt. Ltd., New Delhi.
- Hersey, P. K., Blanchard, D., & Johnson, D. Management of Organisational Behavior: Leading Human Resources. Pearson Education.
- Gratton, L. E. (2007). Eight ways to build collaborative teams. Harvard Business Review. 85 (11), 100-109.
- Katzenbach, J. R., Douglas S. K. (2001). Discipline of Teams. Harvard Business Review.71(2).111-120.

Additional Resources:

- Hogg, M. & Vaughan, G.M. (2008). Social Psychology. Prentice Hall.
- Kohn, S. E., & O'Connell, V. D. (2007). 6 Habits of Highly Effective Teams.
- Lakes, F. Leadership: Theory and Practice by Peter G. Northouse .Sage Publication (6th edition). New Jersey: Career Press. ISBN: 9781452203409.

Note: Latest edition of readings may be used

Teaching Learning Process

The course combines learning through analysis and discussion of case studies and active participation in experiential exercises and simulations.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

Ethical Leadership, Group Dynamics, Group Decisions, Coaching, Mentoring.

Paper SEC-2(D): COLLECTIVE BARGAINING AND NEGOTIATION SKILLS

Course Objective

To understand the concept and theories of collective bargaining, and also to provide exposure to the required skills in negotiating a contract.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: identify issues in collective bargaining, its significance.

CO2: understand the levels, coverage and agreements of collective bargaining.

CO3: work on liaison in negotiations

CO4: differentiate between negotiations, collective bargaining and use of its approaches.

CO5: administer the negotiation agreement and handle grievance management

Course Contents

Unit I: Issues in Collective Bargaining

Meaning, Definitions and Characteristics of Collective Bargaining ; Critical Issues in Collective Bargaining; Theories of Collective Bargaining: Hick's Analysis of Wages Setting under Collective Bargaining, Conflict-choice Model of Negotiation, A Behavioural Theory of Labour Negotiation.

Unit II: Collective Bargaining in India

Pre-requisites for successful Collective Bargaining in any Country; Collective Bargaining in Practice; Levels of Bargaining, Coverage and Duration of Agreements; Difficulties in the Bargaining Process and Administration of Agreements. Select case studies from Indian perspective.

Unit III: Negotiating a Contract

Meaning of Negotiations, Pre-negotiation- Preparing the Charter of Demand(s), Creating the Bargaining Team, Submission of COD, Costing of Labour Contracts

Unit IV: Negotiation Skills

Negotiation Process; Effective Negotiation-Preparing for Negotiation, Negotiating Integrative Agreements; Negotiation and Collective Bargaining- Approaches and

Phases in Collective Bargaining, Coalition Bargaining and Fractional Bargaining, Impasse Resolution, Contract Ratification.

Unit V: Negotiations and Administration

Post Negotiation-Administration of the Agreement, Grievance Management, Binding up the Wounds; Collective Bargaining & the emerging scenario.

References

- Dubey,S and Jain,P (2017) Collective Bargaining and negotiation Skills. Bookage Publications.
- Salamon, Michael. Industrial Relations, (2001), Theory & Practice. London. Prentice Hall.
- Venkataratnam, C. S. (2017), Industrial Relations: Text and Cases. Oxford University Press, Delhi.

Additional Resources

- Anand,K.B. and Paswan, A.K., (2017) Collective Bargaining and negotiation Skills.Galgotia Publishing Company
- Dwivedi, R.S. (2002). Managing Human Resources: Industrial Relations in Indian Enterprises. New Delhi: Galgotia Publishing Company.
- Edwards, P. (2009). Industrial Relations: Theory and Practice in Britain. U.K: Blackwell Publishing.

Teaching Learning Process

The teaching -learning processes play a vital role in instilling in the student the curiosity to study this subject. It includes lectures through presentations of real life scenarios, expert lectures, case study involving industrial disputes, role plays , seminars , tutorials , project- based learning. Case laws comprehension and higher-order skills of reasoning and analysis will be encouraged through teaching strategies.

Assessment Methods

The assessment methods of this course are properly aligned with teaching learning processes and anticipated learning outcomes. It includes oral and written tests, case presentations, peer evaluation, problem solving exercises, observation of practical skills through case laws and viva voce interviews.

Keywords

Collective Bargaining, Negotiation, Grievance Management

Paper SEC-2(E): E-FILING OF RETURNS

Course Objective

To equip students with the practical skills required for filing of returns under Income Tax and GST laws.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: know the difference between e-filing and regular filing of Income tax returns and understand the circumstances when e-filing is mandatory.

CO2: understand the basic process of computing taxable income and tax liability, and know about various types of income tax return forms.

CO3: understand the concept of advance payment of tax and tax deduction at source and develop the ability of e-filing of TDS returns.

CO4: become aware of the basic framework and structure of GST, including the meaning of input tax credit and the process of its utilization.

CO5: know about various types of GST returns and their filing.

Course content

Unit 1: Conceptual Framework: e-filing

Meaning of e-filing; difference between e-filing and regular filing of returns; benefits and limitations of e-filing; types of e-filing; e-filing process; relevant notifications.

Unit 2: Income tax and e-filing of ITRs

Introduction to income tax – basic terminology; types of assessee; income taxable under different heads; basics of computation of total income and tax liability; deductions available from gross total income; PAN card; due date of filing of income tax return. Instructions for filling out form ITR-1, ITR-2, ITR-3, ITR-4, ITR-4S, ITR-5, ITR-6. Introduction to Income Tax Portal; preparation of electronic return (practical workshops)

Unit 3: TDS and e-Filing of TDS returns

Introduction to the concept of TDS; provisions in brief relating to advance payment of tax; schedule for deposit of TDS; schedule for submission of TDS returns; prescribed forms for filing of TDS returns; exemption from TDS – Form 13, 15G, 15H; Practical workshop on e-filing of TDS returns

Unit 4: Conceptual framework of GST

Introduction to basic concepts of GST: Output tax liability of CGST, SGST, UTGST, IGST, State compensation cess; GST Network; input tax credit utilization; small supplies and composition scheme; schedule for payment of GST; interest/penalty for late/non-filing of return; payment of GST by electronic ledger – electronic liability register, electronic credit ledger, electronic cash ledger.

Unit 5: Filing of GST returns

GST returns: GSTR-1, GSTR-2, GSTR-3, GSTR-4, GSTR-9, GSTR-3B

References

- Ahuja, Girish, Gupta Ravi, GST & Customs Law.
- Ahuja. Girish. and Gupta. Ravi. Systematic Approach to Income Tax. Bharat Law House, Delhi.
- Babbar, Sonal, Kaur, Rasleen and Khurana, Kritika. Goods and Service Tax (GST) and Customs Law. Scholar Tech Press.
- Bansal, K. M., GST & Customs Law, Taxmann Publication.
- Gupta, S.S., Vastu and Sevakar, Taxmann Publications, 2017
- Singhania V. K , GST & Customs Lax, Taxmann Publication.
- Singhania,Vinod K. and Singhania Monica. Students' guide to Income Tax. University Edition. Taxmann Publications Pvt Ltd.,New Delhi.
- Sisodia Pushpendra, GST Law, Bharat Law House.

Additional Sources

Software

- Excel Utility available at incometaxindiaefiling.gov.in

Note: Latest edition of the book may be used

Teaching Learning Process

The teaching learning process would include classroom lectures to introduce students to the law pertaining to the levy of income tax and GST. This would be supplemented by case studies and students' presentations. Further, to enable the students to apply the law practically, practicals on online filing would be included in the teaching learning process.

Assessment Methods

The assessment methods would include end semester examination, assignments, class tests and practical exams. The practical exams would be conducted to gauge the understanding of students regarding online filing of returns.

There shall be 2 credit hours for theory lectures and 2 credit hours for practical (4 practicals per batch).

There shall be internal practical exam of 2 hours of 50 marks and theory exam of 25 marks of one hour The internal assessment will be of 25 marks (10 marks for internal practical + 10 marks class test/ Assignment + 5 marks for attendance)

Keywords

PAN, TAN, TCAN, e-filing, Central Processing Centre, TDS, APT, CGST,SGST/UTGST,IGST, State Compensation Cess, Electronic Ledger, GST Network.

Course Objective

This paper intends to create an understanding towards the cyber crimes and to familiarize the students with the application of cyber laws in business.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: identify cyber risk associated with online activities

CO2: prepare them for safe working in the vertical having varied access points, data sources, network and system related issues, especially in online transactions.

CO3: generate and preserve electronic evidences for personal and professional use.

CO4: work in virtual space safely and with business process or products conforming to the regulatory framework and not falling under the ambit of cyber crimes.

CO5: analyse the cases and find pertinent facts for resolutions.

Course Contents

Unit I: Cyber Crimes

Introduction- Computer crime and cyber crimes; Distinction between cyber crime and conventional crimes; Kinds of cyber crimes- cyber stalking, cyber terrorism, forgery and fraud, crimes related to IPRs, computer vandalism, cyber forensic.

Unit II: Definitions under IT Act, 2000 and Contemporary Business Issues in Cyber Space

Definitions under IT Act, 2000; Concept of Internet, Web Centric Business, E Business and its significance, Electronic Governance, Instant messaging platform, social networking sites and mobile applications, security risks, Internet of Things (IOT), Cyber jurisdiction, Domain name dispute and their resolution, E-forms; E-Money, regulations of PPI (Pre-Payment Instruments) by RBI, Electronic Money Transfer, Privacy of Data and Secure Ways of Operation in Cyber Space.

Unit III: Electronic Records

Authentication of Electronic Records; Legal Recognition of Electronic Records; Legal Recognition of Digital Signatures; Applications and usage of electronic records and Digital Signatures in Government and its Agencies; Retention of Electronic Records, Intermediaries and their liabilities ; Attribution, Acknowledgement and Dispatch of Electronic Records; Secure Electronic Records and Digital Signatures.

Unit IV: Regulatory Framework

Regulation of Certifying Authorities; Appointment and Functions of Controller; License to issue Digital Signatures Certificate; Renewal of License; Controller's Powers; Procedure to be Followed by Certifying Authority; Issue, Suspension and Revocation of Digital Signatures Certificate, Duties of Subscribers; Penalties and

Adjudication; Appellate Tribunal; Offences; Overview of GDPR and Indian data protection regime

Unit V: Case Laws

1. Communication Device-Section 2(ha) of the Information Technology (Amendment) Act, 2008-'State v Mohd. Afzal and others (2003), VIIAD (Delhi) 1, 107(2003) DLT385, 2003(71) DRJ178, 2003(3) JCC1669'
2. Computer Network-Section 2 (j) of the Information Technology (Amendment) Act, 2008 'Diebold System Pvt Ltd. v The Commissioner of Commercial Taxes, (2006), 144 STC, 59 (Kar)'
3. Electronic Record Sec. 2 (t)-'Dharambir v Central Bureau of Investigation 148 (2008) DLT 289'
4. Time and Place of Dispatch and Receipt of Electronic Record-section 13-'P.R. Transport Agency v Union of India & others, AIR 2006 All 23, 2006(1) AWC 504, ALL HC'; 'Groff v America Online, Inc., 1998 WL 307001 (1998)'
5. Penalty for Damage to Computer or Computer System- Section 43-'Umashankar Sivasubramanian v ICICI Bank, 18.04.2010. (Petition No. 2462/2008)'
6. Tampering with Computer Source Documents-Section 65-'Syed Asifuddin and Ors.v The State of Andhra Pradesh & Anr. 2006 (1) ALD Cri 96, 2005 CriLJ 4314'
7. Punishment for sending offensive messages-Sec. 66A-'SMC Pneumatics (India) Pvt. Ltd v Jogesh Kwatra", Suit No. 1279/2001'
8. Punishment for Identity Theft-Section 66C-'CBI v Arif Azim Case Judicial Reports (Criminal) 2003 (2) page 272'
9. Punishment for Cheating by Personating by using Computer Resource-section 66D- 'National Association of Software and Service Companies (NAASCOM)v Ajay Sood. (2005) F.S.R. 38; 119 (2005) DLT 596, 2005 (30) PTC 437 Del'
10. Punishment for Publishing or Transmitting Obscene Material in Electronic form-section 67-'Avnish Bajaj v State (N.C.T.) of Delhi, (2005) 3 Comp, LJ 364 (Del), 116(2005) DLT427, 2005(79) DRJ576'
11. Punishment for Publishing or Transmitting of Material Containing Sexually Explicit Act, etc., in Electronic Form-Section 67A-'R v Graham Waddon., Southwark [Crown Court, 30/6/1999]'

References

- Arora, Sushma. and Arora R. (2017), Cyber crimes and laws, Taxmann Pvt Ltd, New Delhi.
- Brian, Craig. (2012). Cyber Law: The Law of the Internet and Information Technology. Pearson Education.
- Rattan J, (2015)Cyber Crime and Information Technology, Bharat Law House, Pvt Ltd.

• Sharma J. P., and Kanojia, S. (2018). E Business and Cyber Laws. New Delhi. Bharat Law house Pvt Ltd. Additional Resources • Dietel, Harvey M., Dietel, Paul J., and Steinbuhler, Kate. (2001). E-business and Ecommerce for managers. Pearson Education.

• Information Technology Rules & Cyber Regulations Appellate Tribunal Rules with Information Technology Act 2000. Taxmann Publications Pvt. Ltd., New Delhi.

• Joseph, P.T. (2015). E-Commerce-An Indian Perspective. PHI

• Painttal, D. (2016) Law of Information Technology, New Delhi: Taxmann Publications Pvt. Ltd.

Teaching Learning Process

The teaching -learning processes play a vital role in instilling in the student the curiosity to study the subject law. It includes lectures through presentations of case laws, expert lectures discussing the real life cyber scams and the relevant precautionary measure, case study approach is widely followed, role plays, seminars, tutorials, project- based learning. Case laws comprehension and higher-order skills of reasoning and analysis will be encouraged through teaching strategies.

Assessment Methods

The assessment methods of this course are properly aligned with teaching learning processes and anticipated learning outcomes. It includes oral and written tests, case presentations, peer evaluation, problem solving exercises, observation of practical skills through case laws and viva voce interviews.

Keywords

IT Act, 200, Cyber Crimes, Electronic Records

Semester - V

Paper C-11: PRINCIPLES OF MARKETING

Objective: The objective of this course is to provide basic knowledge of concepts, principles, tools and techniques of marketing.

Unit - I

1. Introduction: Nature, scope and importance of marketing; Evolution of marketing concepts; Marketing mix; Marketing environment. Micro and Macro environmental factors.
2. Consumer Behavior – An Overview: Consumer buying process; Factors influencing consumer buying decisions.

Unit -II

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3. **Market Selection:** Market segmentation – concept, importance and bases; Target market selection; Positioning concept, importance and bases; Product differentiation vs. market segmentation.
 4. **Product:** Meaning and importance. Product classifications; Concept of product mix; Branding, packaging and labeling; After-sales services; Product life-cycle; New Product Development.

Unit -III

5. **Pricing:** Significance. Factors affecting price of a product. Major pricing methods; Pricing policies and strategies.
6. **Promotion:** Nature and importance of promotion; Promotion tools: advertising, personal selling, public relations; sales promotion and publicity – concept and their distinctive characteristics; Promotion mix; Factors affecting promotion mix decisions; Integrated Marketing Communication Approach.

Unit -IV

7. **Distribution:** Channels of distribution - meaning and importance; Types of distribution channels; Wholesaling and retailing; Factors affecting choice of distribution channel; Distribution logistics: Meaning, importance and decisions.
8. **Retailing:** Types of retailing – store based and non-store based retailing, chain stores, specialty stores, supermarkets, retail vending machines, mail order houses, retail cooperatives; Management of retailing operations: an overview; Retailing in India: changing scenario.

Unit -V

9. **Developments & Issues in Marketing:** Rural marketing, Social Marketing, Online marketing, Direct marketing, Services marketing, Green marketing, Relationship marketing. Marketing ethics.

Suggested Readings:

1. Kotler, Philip., Keller, Kevin Lane., Koshy, Abraham., and Jha, Mithileshwar. Marketing Management: A South Asian Perspective. Pearson Education.
2. Palmer, Adrian. Introduction to Marketing. Oxford University Press, UK.
3. Lamb, Charles W., Hair, Joseph F. and McDaniel, Carl. Principles of Marketing. South Western Publishing, Ohio.
4. Chhabra, T.N. Principles of Marketing. Sun India Publication.
5. Kumar, Arun., & N. Meenakshi. Marketing Management. Vikas Publications.
6. McCarthy, E. Jerome., and William D. Perreault. Basic Marketing. Richard D. Irwin.
7. Pride, William M., and Ferrell, D.C. Marketing: Planning, Implementation & Control. Cengage Learning.
8. Majaro, Simon. The Essence of Marketing. Prentice Hall, New Delhi.
9. Zikmund William G. and Michael, D'Amico. Marketing; Creating and Keeping Customers in an E-Commerce World. Thomson Learning.
10. Etzel, Michael J., Walker, Bruce J., Staton, William J., and Pandit, Ajay. Marketing Concepts and Cases. Tata McGraw Hill (Special Indian Edition).

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11. McCarthy, E. Jerome., Cannon, Joseph., and William, D. Perrault, Jr. Basic Marketing: A Managerial Approach. McGraw Hills.

Note: Latest edition of text book may be used.

Paper C-12: FUNDAMENTALS OF FINANCIAL MANAGEMENT

Objective: To familiarize the students with the principles and practices of financial management.

Unit-I: Introduction

Nature, Scope and objectives of financial management, Agency problem, Time value of money, Risk and return (including Capital Asset Pricing Model).

Unit-II: Capital Budgeting

Lectures/Practical Lab

The Capital Budgeting Process, Cash flow Estimation, Payback Period Method, Discounted Payback Period Method, Accounting Rate of Return, Net Present Value (NPV), Net Terminal Value, Internal Rate of Return (IRR), Profitability Index, Capital budgeting under Risk – Certainty Equivalent Approach and Risk- Adjusted Discount Rate.

Unit-III: Cost of Capital and Financing Decision

Sources of long-term financing, Estimation of components of cost of capital. Methods for Calculating Cost of Equity, Cost of Retained Earnings, Cost of Debt and Cost of Preference Capital, Weighted Average cost of capital (WACC) and Marginal cost of capital. Capital structure – Theories of Capital Structure (Net Income, Net Operating Income, MM Hypothesis, Traditional Approach). Operating and Financial leverage. Determinants of capital structure.

Unit-IV: Dividend Decision

Theories for Relevance and irrelevance of dividend decision for corporate valuation- Walter's Model, Gordon's Model, MM Theory, Cash and stock dividends. Dividend policies in practice and Determinants of Dividend.

Unit-V: Working Capital Decisions

Concepts of working capital, Operating & Cash Cycles, Risk-return trade off, sources of short-term finance, working capital estimation, cash management, receivables management, inventory management.

Note:

1. In Addition the students will work on Spreadsheet for doing basic calculations in finance (Unit 2 and 3) and hence can be used for giving students subject related assignments for their internal assessment.
2. There shall be 4 Credit Hrs. for Lectures + one credit hr. (Two practical Periods per week per batch) for practical Lab + one credit for Tutorials (per group)

Suggested Readings:

1. Khan, M.Y. and Jain, P.K. Financial Management text and problems. Tata Mc Graw Hill New Delhi.

2. Horne, Van., James, C., and John, Wachowicz. Fundamentals of Financial Management. Pearson Education.
3. Ross, Stephen A., Westerfield, Randolph., and Jeffrey, Jaffe. Corporate Finance. Tata McGraw Hill.
4. Srivastava, Rajiv., and Mishra, Anil. Financial Management. Oxford University Press, UK.
5. Singh, Preeti. Financial Management. Ane Books Pvt. Ltd, New Delhi.
6. Singh, J.K. Financial Management- text and Problems. Dhanpat Rai and Company, Delhi.
7. Sharma, G.L. and Y. P.Singh. ed. Contemporary Issues in Finance and Taxation. Academic Foundation Delhi.
8. Rustagi, R.P. *Financial Management*. Galgotia Publishing Company.
9. Pandey, I.M. *Financial Management*. Vikas Publications UNCTAD Reports.
10. Chandra, P. *Financial Management- Theory and Practice*. Tata Mc Graw Hill.
11. Bhalla, V.K. *Financial Management & Policy*. Anmol Publications, Delhi.

Note: Latest edition of text book may be used.

Paper: DSE-1 (anyone out of Group-A)

GROUP A	
a. Management Accounting	c. Banking and Insurance
b. Organizational Behaviours	d. Computerized Accounting System

DSE Group A (a): MANAGEMENT ACCOUNTING

Objective: To impart the students, knowledge about use of financial, cost and other data for the purpose of managerial planning, control and decision making.

Unit I: Introduction

Meaning, objectives, Nature and Scope of management accounting, Difference between cost accounting and management accounting, cost control, cost reduction, cost management.

Unit II: Budgetary control

Concept of budget, budgeting and budgetary control, objectives, merits, and limitations. Budget administration, Functional budgets. Fixed and flexible budgets, Zero base budgeting. Programme and performance budgeting.

Unit III: Standard costing

Meaning of standard cost and standard costing: advantages, limitations and applications, Variance analysis – material, labour, overheads and sales variances. Disposition of variances, Control ratios.

Unit IV: Marginal costing

Absorption versus variable costing: Distinctive features and income determination.

Cost-Volume-Profit Analysis: Break-even analysis-algebraic and graphic methods. Angle of incidence, Margin of safety, key factor, Determination of cost indifference point.

Unit V: Decision making

Steps in decision making process, concept of relevant cost and benefits, Various short term decision making situations – profitable product mix, Acceptance or Rejection of special/export offers, make or buy, addition or elimination of a product line, sell or process further, operate or shut down. Pricing decisions: Major factors influencing pricing decisions, various methods of pricing.

Unit VI: Contemporary Issues

Responsibility Accounting: Concept, Significance, Different Responsibility Centers, Divisional Performance Measurement – Financial and non financial Measures. Transfer pricing.

Suggested Readings:

1. Lal, Jawahar., and Srivastava, Seema. *Cost Accounting*. Tata McGraw Hill Publishing Co., New Delhi.
2. Arora, M.N. *Management Accounting*. Himalaya Publishing House.
2. Nigam, B.M. Lall. and I.C. Jain. *Cost Accounting, Principles and Practice*, Prentice.Hall of India, New Delhi.
3. Jhamb, H.V. *Management Accounting*. Ane Books Pvt. Ltd. New Delhi
4. Nigam, B.M. Lall., and Jain, I.C. *Cost Accounting- Principles and Practice*. Prentice Hall of India, New Delhi.
5. Khan, M.Y. and Jain, P.K. *Management Accounting*. Tata McGraw Hill, Publishing Co., New Delhi.
6. Usry, Milton E. and Lawrence H. Hammer. *Cost Accounting, Planning and Control*. South Western Publishing Co.
7. Drury, Colin. *Management and Cost Accounting*. Thomson Learning.

Note: Latest edition of text book may be used.

DSE Group A (b) : ORGANISATIONAL BEHAVIOUR

Objective: The objective of the course is to develop a theoretical understanding among students about the structure and behaviour of organization as it develops over time. The course will also make them capable of realizing the competitiveness for firms.

Unit I: Introduction

Organisational Theories: Classical, Neo-classical and contemporary. Organisational Behaviour: concepts, determinants, challenges and formal and informal structures; flat and tall structures. Opportunities of OB. Contributing disciplines of OB. Organizational Behaviour Models.

Unit II: Individual Behaviour

Personality- Type A and B, Big Five personality types, Factors influencing personality.

Values and Attitudes- Concept and types of values: Terminal value and Instrumental Value. Component of attitude, job related attitudes. Learning- Concept, Learning theories, and reinforcement. Perception and Emotions- Concept, Perceptual process, Importance, Factors influencing perception, Emotional Intelligence.

Unit III: Group Decision making and Communication

Concept and nature of decision making process, Individual versus group decision making. Nominal group technique and Delphi technique. Communication and Feedback, Models of communication. Transactional Analysis, Johari Window.

Unit IV: Motivation

Meaning and Importance of Motivation, Theories- Vroom's Valence -Expectancy theory, Ken Thomas' Intrinsic Motivation theory. Behavioural modification, Motivation and organisational effectiveness, Measurement of motivation using standard questionnaire.

Unit V: Leadership, Power and Conflict

Concept and theories, styles of Leadership, behavioural approach, situational approach, leadership effectiveness. Power and conflict, Bases of power, Power tactics, Sources of conflict, Conflict Resolution Strategies.

Unit VI: Dynamics of Organisational Behaviour

Organisational Culture and climate- Concept and determinants of organisational culture. Developing organizational culture. Organisational change- Importance, stability vs. Change, proactive vs. reaction change, change process, managing change. Individual and organisational factors to stress; work stressors consequences of stress on individual and organization; Prevention and Management of stress.

Suggested Readings:

1. Robbins; S.P., Organisational Behaviour, Prentice Hall of India Pvt. Ltd., New Delhi.
2. Luthans, Fred, Organisational Behaviour, McGraw Hill International, New York.
3. Greenberg, Jerald, and Baron, Robert A Organisational Behaviour, Prentice Hall of India Pvt. Ltd., New Delhi.
4. Chhabra, T.N., Organisational Behaviour, Sun India Publications.
5. Sekaran, Uma, Organisational Behaviour: *Text and Cases*, Tata McGraw Hill, New Delhi.
6. Hersey, P.K., Blanchard, H. and D.E. Johnson, *Management of organisational Behaviour; Leading Human Resources*, Pearson Education.

Note: Latest edition of text books may be used.

DSE Group A (c): BANKING AND INSURANCE

Objective: To impart knowledge about the basic principles of the banking and insurance.

Unit I

Origin of banking: definition, banker and customer relationship, general and special

Types of customers, types of deposits, Origin and growth of commercial banks in India. India's Approach to banking Sector Reforms, International security standards in banking, Global Financial Crisis and India's banking Sector. Achievements of financial sector reforms and areas of concern.

Unit II

Commercial banks: Credit allocation policies, credit market reforms, flow of credit to agricultural and allied activities, credit flows to Micro, Small and Medium enterprises, Technological Channels for the Delivery of Financial Services, Customer services in banking, Role of Foreign Banks, Advantages and Disadvantages of Foreign Banks, Road Map for foreign banks in India.

Unit III

Operations of banking: Cheques and endorsements, types and rules of crossing, Principles of sound lending, Secured vs. unsecured advances, Types of advances, Advance against various securities. Securitisation of Standard Assets, Anti-money Laundering Guidelines, Credit Information Bureau of India Ltd. (CIBIL); Balance Sheet of a Bank; special items, off balance sheet items. Basel I, Basel II, Migration to Basel II Norms.

Unit IV

Era of internet banking and its benefits, home banking, mobile banking, virtual banking, ECS (electronic clearing system), E- Payments, Plastic money, EFT (electronic fund transfer), E-Money: electronic purse; digital cash. Safeguards for internet banking, critical Comparison of traditional banking methods and e-banking.

Unit V

Basic concepts of risk, Types of business risk, Assessment and transfer, Basic principles of utmost good faith, Insurable interest, Indemnity, Economic function, Proximate cause, Subrogation and contribution.

Unit VI

Legal Aspects of insurance contract, Types of insurance: Life and Non-life, Re-insurance, Risk and return relationship, Regulatory Framework of Insurance: Role, power and functions of IRDA, IRDA Act 1999. Bancassurance.

Suggested Readings:

1. Bhasin, Niti, Indian Financial System : Evolution and Present Structure, New Century Publications
2. Agarwal, O.P., Banking and Insurance, Himalya Publishing House
3. Suneja, H.R., Practical and Law of Banking, Himalya Publishing House
4. Saxena, G.S., Legal Aspects of Banking Operations, Sultan Chand and Sons
5. Gupta, P.K., Insurance and Risk Management, Himalaya Publishing House
6. Mishra, M.N., Principles and Practices of Insurance, S. Chand and Sons.
7. Black, K. and Skipper, H.D. Life and Health Insurance, Pearson Education
8. Vaughan, E.J. and Vaughan, T. Fundamentals of Risk and Insurance, Wiley & Sons .

Note: Latest edition of text books may be used.

DSE Group A (d): COMPUTERISED ACCOUNTING SYSTEM

Objective: To enhance the skills needed for computerized accounting system and to enable the students to develop simple accounting applications.

Unit I: Computerized Accounting: Using Generic Software Lectures/ Practical lab

Taxation: TDS. VAT and Service Tax Auditing in Computerized Accounting system; Statutory Audit. Voucher verification. Verification of related party transaction. CAAT: Various Tools.

Unit II: Designing Computerised Accounting System Lectures/Practical Lab

Designing Computerised Accounting System using a DBMS Package Creating a voucher entry Form. Preparing ledgers with SOL. Form. and Report Preparing Trial Balance with SOL and Report.

Unit III: Designing Accounting Support System Lectures/Practical Lab

Designing Supplier and customers System for Accounting using Form. Query. Module. and Report; Designing Payroll System for Accounting using Form. Query, Module.,and Report.

Note:

1. There shall be a practical examination of 100 Marks (Practical-80 Marks, Viva-10 Marks and Work Book- 10 Marks) and duration of Examination shall be 3 Hrs.
2. There shall be Four Lectures per class and 4 Practical periods per batch to be taught in computer Lab.

Suggested Readings:

1. Bookholdt, J.L. .-Accounting Information System: Transmtion Processing and Control. Irwin McGraw-Hill.
2. Hall, J.A. Accounting Information system. South-Western College Publishing,
3. Gelinas. Ulric J.. and Sutton, Steve G. Accounting Information System. South Western Thomson Learning.
4. Rajaraman, V. Introduction to Information Technology. PHI.
5. Bharihoka, Deepak. Fundamentals of Information technology. Excel Book.
6. Madam. Sushila. Computer Applications. Mayur Paperbacks. New Delhi.

Note: Latest edition of text books may be used.

Paper: DSE-2 (anyone out of Group-B)

GROUP A	
a. Corporate Tax Planning	c. Financial Markets, Institutions and Financial Services
b. Industrial laws	d. Advertising
e. Business Statistics	

DSE Group B (a): CORPORATE TAX PLANNING

Objective: To provide basic knowledge of corporate tax planning and its impact on decision making.

Unit I: Tax planning, tax management, tax evasion, tax avoidance, Types of companies

Residential status of companies and tax incidence, Tax liability and minimum alternate tax, Carry forward and set off of losses in case of certain companies, Deductions available to corporate Assesses. Tax on distributed profits, units of Mutual funds.

Unit II: Tax planning with reference to setting up of a new business: Location of business, nature of business, form of organization, Tax planning with reference to financial management decisions - Capital structure, dividend and bonus shares, Tax planning with reference to sale of scientific research assets

Unit III: Tax planning with reference to specific management decisions - Make or buy; own or lease; repair or replace, Tax planning with reference to employees' remuneration, Tax planning with reference to receipt of insurance, Compensation, Tax planning with reference to distribution of assets at the time of liquidation

Unit IV: Tax planning in respect of non-residents, Taxable income for non-residents, interest, salaries and exemptions from tax to non-residents. Double taxation relief Provisions regulating transfer pricing, Computation of Arm's length pricing, Advance rulings, Advance pricing agreement.

Unit V: Tax planning with reference to business restructuring, Amalgamation, Demerger, Slump sale, Conversion of sole proprietary concern/partnership firm into company, Conversion of company into LLP, Transfer of assets between holding and subsidiary companies

Suggested Readings:

1. Singhanian, Vinod K., and Singhanian, Monica. Direct Taxes Planning and Management. Taxmann Publications Pvt. Ltd., New Delhi.
2. Ahuja, Girish. and Gupta, Ravi. Corporate Tax Planning and Management. Bharat Law House, Delhi.
3. Acharya, Shuklendra and Gurha, M.G. Tax Planning under Direct Taxes. Modern Law Publication, Allahabad.
4. Mittal, D.P. Law of Transfer Pricing. Taxmann Publications Pvt. Ltd., New Delhi.
5. IAS - 12 and AS - 22.
6. Ghosh, T.P. IFRSs. Taxman Publications Pvt. Ltd. New Delhi.

Journals

1. Income Tax Reports, Company Law Institute of India Pvt. Ltd., Chennai.
2. Taxman, Taxman Allied Services Pvt. Ltd., New Delhi.

3. Current Tax Reporter, Current Tax Reporter, Jodhpur

Note: Latest edition of text book may be used.

DSE Group B (b): INDUSTRIAL LAWS

Objective: To familiarize the students with the understanding and provisions of industrial related laws. Case studies and problems involving issues in industrial laws are required to be discussed.

Unit I: The Employees Provident Fund & Miscellaneous Provisions Act, 1952

Definitions; Schemes under the Act – Employees' Provident Fund Scheme; Employees' Pension Scheme, 1995; Employees' Deposit linked Insurance Scheme.

Unit II: Employees State Insurance Act, 1948

Objects and Applicability of the Schemes; Definitions: Personal Injury, Factory, Manufacturing Process, Wages, Partial and Permanent Disablement; ESI Corporation, Standing Committee and Medical Benefit Council; Contributions; Adjudication of Dispute and Claims, Benefits.

Unit III: Payment of Wages Act, 1936

Definitions – Employed Person, Employer, Factory, Industrial or other Establishment, Wages; Responsibility for Payment of Wages; Fixation of Wage Period; Time of Payment of Wages; Mode of Payment; Deductions from Wages, Fines.

Unit IV: The Payment of Bonus Act, 1965

Definitions – Accounting year, allocable surplus, available surplus, employee, employer, establishments, salary or wage; determination of bonus, calculation of bonus, eligibility for bonus, disqualifications for bonus, payment of minimum and maximum bonus, set on and set off of allocable surplus, deductions of certain amounts from bonus payable, time limit for payment of bonus.

Unit V: Payment of Gratuity Act, 1972

Applicability and non - applicability of the Act; Definitions-employee, employer, continuous service; payment of gratuity; forfeiture of gratuity; employer's duty to determine and pay gratuity; recovery of gratuity; penalties.

Unit VI: Employee's Compensation Act, 1923

Definitions: dependent, employer, partial and total disablement, workmen, injury, occupational disease; accident; employer's liability for compensation; amount of compensation; contracting; commissioner; case laws.

Suggested Readings:

1. Malik, K.L., Industrial Laws and Labour Laws, Eastern Book Company, Lucknow.
2. Sharma, J.P., Simplified Approach to Labour Laws, Bharat Law House (P) Ltd., New Delhi.
3. Kumar, H.L., Digest of Labour Cases, Universal Law Publishing Co P Ltd, New Delhi
4. Srivastava, S.C., Industrial Relations & Labour Laws, Vikas Publishing House (P) Ltd.

Note: Latest edition of text book may be used.

DSE Group B (c): FINANCIAL MARKETS, INSTITUTIONS AND FINANCIAL SERVICES

Objective: To provide the student a basic knowledge of financial markets & institutions and to familiarize them with major financial services in India.

Unit-I: An Introduction to Financial System, its Components

Financial markets and institutions. Financial intermediation. Flow of funds matrix. Financial system and economic development. An overview of Indian financial system.

Unit-II: Financial Markets

Money Market – functions, organization and instruments. Role of central bank in money market. Indian money market – an overview.

Capital Markets – functions, organization and instruments. Indian debt market. Indian equity market – primary and secondary markets. Role of stock exchanges in India.

Unit-III: Financial Institutions

Depository and Non-Depository institutions. Commercial banking – introduction, its role in project finance and working capital finance. Development Financial institutions (DFIs) – overview and role in Indian economy. Life and non-life insurance organizations in India. Mutual Funds – Introduction and their role in capital market development. Non-banking financial companies (NBFCs).

Unit-IV: Overview of financial services industry.

Fund based and fee based financial services. Merchant banking – pre and post issue management, underwriting. Regulatory framework relating to merchant banking in India.

Unit-V: Leasing and hire – purchase.

Consumer and housing finance. Venture capital finance. Factoring services, bank guarantees and letter of credit. Credit rating. Financial counseling and portfolio management services.

Suggested Readings:

1. Bhole, L.M. Financial Markets and Institutions. Tata McGraw-Hill Publishing Company.
2. Khan, M.Y. Indian Financial System – Theory and Practice. New Delhi: VikasPublishing House.
3. Sharma, G.L. and Singh. Y.P. Contemporary Issues in Finance and Taxation. Academic Foundation, Delhi.
4. Khan and Jain. Financial Services. Tata McGraw Hill.
5. Singh, J.K. Venture Capital Financing in India. Dhanpat Rai and Company, New Delhi.
6. Annual Reports of Major Financial Institutions in India.

Note: Latest edition of text book may be used

DSE Group B (d): ADVERTISING

Objective: The objective of this course is to familiarize students with the basic concepts, tools and techniques of advertising used in marketing.

Unit I: Introduction

Communication process-basic and elements; Marketing Communication-response hierarchy, models and alternatives; Advertising-Meaning, nature and importance of advertising; types and objectives. Audience selection; Setting of advertising budget: determinants and major methods.

Unit II: Media Decisions

Major media types - their merits and demerits; Advertising through internet and interactive media-Issues and considerations; Factors influencing media choice; media selection, media scheduling.

Unit III: Message Development

Advertising creativity; Advertising appeals, Advertising copy and elements of print advertisement creativity; Tactics for print advertisement.

Unit IV: Measuring Advertising Effectiveness

Arguments for and against measuring effectiveness, Advertising testing process; Evaluating communication and sales effects; Pre and Post testing techniques.

Unit V: Organisational Arrangements

- A) Advertising Agency: Role, types and selection of advertising agency; Reasons for evaluating advertising agencies.
- B) Social, Ethical and legal aspects of advertising in India; Recent developments and issues in advertising.

Suggested Readings:

1. Belch and Belch, *Advertising and Promotion*. Tata McGraw Hill Co.
2. Sharma, Kavita, *Advertising: Planning and Decision Making*, Taxmann Publication Pvt. Ltd
3. Mahajan, J.P., and Ramki, *Advertising and Brand Management*. Ane Books Pvt. Ltd, New Delhi.
4. Burnett, Wells, and Moriatty. *Advertising: Principles and Practice*. Pearson Education
5. Shimp. Terence A. *Advertising and Promotion: An IMC Approach*. South Western, Cengage Learning.
6. O'Guinn. *Advertising and Promotion: An Integrated Brand Approach*, Cengage Learning.

Note: Latest edition of text book may be used.

DSE Group B (d): Business Statistics

Objective: To familiarize students with the basic statistical tools used to summarize and analyze quantitative information for decision making.

Unit I: Statistical Data and Descriptive Statistics

1.1 Measures of Central Tendency

a) Mathematical averages including arithmetic mean, geometric mean and harmonic mean. Properties and applications.

b) Positional Averages:

Mode and Median (and other partition values including quartiles, deciles, and percentiles) (including graphic determination)

1.2 Measures of Variation: absolute and relative.

Range, quartile deviation, mean deviation, standard deviation, and their co-efficient, Properties of standard deviation/variance.

1.3 Moments: calculation and significance. Skewness, Meaning, Measurement using Karl Pearson and Bowley's measures Concept of Kurtosis

Unit II: Probability and Probability Distributions

2.1 Theory of Probability. Approaches to the calculation of probability

2.2 Calculation of event probabilities. Addition and multiplication laws of probability. (Proof not required)

2.3 Conditional probability and Bayes' Theorem (Proof not required)

2.4 Expectation and variance of a random variable

2.5 Probability distributions:

(a) Binomial distribution: Probability distribution function, Constants, Shape, Fitting of binomial distribution

(b) Poisson distribution: Probability function, (including Poisson approximation to binomial Distribution), Constants, Fitting of Poisson distribution.

(c) Normal distribution: Probability distribution function, Properties of normal curve Calculation of probabilities.

Unit III: Simple Correlation and Regression Analysis

3.1 Correlation Analysis. Meaning of Correlation; simple, multiple and partial; linear and non-linear, Causation and correlation, Scatter diagram, Pearson's co-efficient of correlation; calculation and properties (proofs not required). Probable and standard errors, Rank Correlation.

3.2 Regression Analysis. Principle of least squares and regression lines. Regression equations and estimation. Standard Error of Estimates.

Unit IV: Index Numbers

4.1 Meaning and uses of index numbers. Construction of index numbers: fixed and chain base: univariate and composite. Aggregative and average of relatives—simple and weighted.

4.2 Tests of adequacy of index numbers, Base shifting, splicing and deflating. Problems in the construction of index numbers.

4.3 Construction of consumer price indices. Important share price indices including BSE SENSEX and NSE NIFTY.

Unit V: Time Series Analysis

5.1 Components of time series.

Additive and multiplicative models.

5.2 Trend analysis.

Fitting of trend line using principle of least squares – linear, second degree parabola and exponential. Conversion of annual linear trend equation to quarterly/monthly basis and vice-versa.

Moving averages.

5.3 Seasonal variations- calculation and uses. Simple averages, ratio-to-trend, ratio-to- moving averages and link-relatives methods. Uses of Seasonal Indices.

Unit VI: Sampling Concepts, Sampling Distributions & Estimation

Populations and Samples, Parameters and Statistics, Descriptive and Inferential Statistics. Sampling methods including Simple random sampling, Stratified Sampling, Systematic Sampling, Judgment Sampling and Convenience Sampling.

Concept of Sampling Distributions and theory of estimation: Point and interval estimation of means (large Samples) and Proportions.

The students will be familiarized with software and the statistical and other functions contained therein related to formation of frequency distributions and calculation of averages, measures of variation, correlation and regression coefficient.

Suggested Readings:

1. Levin, Richard, David S. Rubin, Rastogi and Siddiqui, Statistics for Management, Pearson Education, 2017.
2. Berenson and Levine, Basic Business Statistics: Concepts and Applications, Prentice Hall, 2015.
3. Siegel, Andrew F., Practical Business Statistics, McGraw Hill, 2016.
4. Vohra, N.D., Business Statistics, McGraw Hill, 2012.
5. Spiegel M.D., Theory and Problems of Statistics (Schaum's Outlines Series), McGraw Hill Publishing Co., 1988.
6. Gupta, S.P., and Archana Gupta, Business Statistics (Statistical Methods), Sultan Chand and Sons, New Delhi, 2014.
7. Gupta, S.C., Fundamentals of Statistics, Himalaya Publishing House, 2016.
8. Thukral, J.K., Business Statistics, Taxmann, 2016.

Note: Latest edition of text book may be used.

Semester - VI

Paper C-13: AUDITING AND CORPORATE GOVERNANCE

Objective: To provide knowledge of auditing principles, procedures and techniques in accordance with current legal requirements and professional standards.

Unit I: Auditing

Basic Principles and Techniques; Classification of Audit, Audit Planning, Internal Control – Internal Check and Internal Audit; Audit Procedure – Vouching and verification of Assets & Liabilities; Company Auditor- Qualifications and disqualifications, Appointment, Rotation, Removal, Remuneration, Rights and Duties; Auditor’s Report- Contents and Types, Liabilities of Statutory Auditors under the Companies Act 2013. Special Areas of Audit: Cost audit, Tax audit and Management audit; Recent Trends in Auditing: Basic considerations of audit in EDP Environment; Relevant Auditing and Assurance Standards (AASs).

Unit II: Corporate Governance

Meaning, Theories, Models and Benefits of Corporate Governance; Politics and governance; Board Committees and their Functions; Insider Trading; Rating Agencies; Green Governance/E-governance; Clause 49 of Listing Agreement; Corporate governance in public sector undertakings; corporate funding of political parties; Class Action; Whistle Blowing; Shareholders Activism.

Unit III: Major Corporate Governance Failures

BCCI (UK), Maxwell Communication (UK), Enron (USA), World.Com (USA), Andersen Worldwide (USA), Vivendi (France), Harshad Mehta Scam, Satyam Computer Services Ltd, and Kingfisher Airlines; Common Governance Problems Noticed in various Corporate Failures; Codes and Standards on Corporate Governance; Initiatives in India.

Unit IV: Business Ethics

Morality and Ethics; Business Values and Ethics; Various Approaches to Business Ethics; Ethical Theories; Ethical Governance; Corporate Ethics; Benefits of Adopting Ethics in Business; Ethics Programme; Code of Ethics; Ethics Committee.

Unit V: Corporate Social Responsibility (CSR)

Corporate Philanthropy, Meaning of CSR, CSR and CR, CSR and Corporate Sustainability; CSR & Business ethics, CSR and corporate governance, Environmental Aspect of CSR; CSR provision under the Companies Act 2013, CSR Committees; CSR Models, Drivers of CSR, Codes and Standards on CSR, Global Reporting Initiatives, ISO 26000.

Suggested Readings:

1. Institute of Chartered Accountants of India, *Auditing and Assurance Standards*, ICAI, New Delhi.
2. Relevant Publications of ICAI on *Auditing* (CARO).
3. Gupta, Kamal and Arora, Ashok. *Fundamentals of Auditing*, Tata Mc-Graw Hill Publishing Co. Ltd., New Delhi.
4. Ghatalia, S.V., *Practical Auditing*, Allied Publishers Private Ltd., New Delhi.
5. Singh, A. K. and Gupta Lovleen, *Auditing Theory and Practice*, Galgotia Publishing Company.
6. Mallin, Christine A., *Corporate Governance (Indian Edition)*, Oxford University Press, New Delhi.

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7. Rani, Geeta D., and Mishra, R.K. *Corporate Governance- Theory and Practice*, Excel Books, New Delhi.
 8. Tricker, Bob. *Corporate Governance-Principles, Policies, and Practice* (Indian Edition), Oxford University Press, New Delhi.
 9. Sharma, J.P., *Corporate Governance, Business Ethics, and CSR*, Ane Books Pvt Ltd, New Delhi.

Note: Latest edition of text books may be used.

Paper C-14: Goods & Service Tax (GST) & Customs Law

Objective: To provide students with a working knowledge of principles and provisions of GST and Customs Law

Unit I: Introduction

Constitutional framework of Indirect Taxes before GST (Taxation Powers of Union & State Government); Concept of VAT: Meaning, Variants and Methods; Major Defects in the structure of Indirect Taxes prior to GST; Rationale for GST; Structure of GST (SGST, CGST, UTGST & IGST); GST Council, GST Network, State Compensation Mechanism, Registration.

Unit II: Levy and collection of GST

Taxable event- “Supply” of Goods and Services; Place of Supply: Within state, Interstate, Import and Export; Time of supply; Valuation for GST- Valuation rules, taxability of reimbursement of expenses; Exemption from GST: Small supplies and Composition Scheme; Classification of Goods and Services: Composite and Mixed Supplies.

Unit III: Input Tax Credit

Eligible and Ineligible Input Tax Credit; Apportionments of Credit and Blocked Credits; Tax Credit in respect of Capital Goods; Recovery of Excess Tax Credit; Availability of Tax Credit in special circumstances; Transfer of Input Credit (Input Service Distribution); Payment of Taxes; Refund; Doctrine of unjust enrichment; TDS, TCS. Reverse Charge Mechanism, Job work.

Unit IV: Procedures

Tax Invoice, Credit and Debit Notes, Returns, Audit in GST, Assessment: Self-Assessment, Summary and Scrutiny.

Unit V: Special Provisions

Taxability of E-Commerce, Anti-Profitteering, Avoidance of dual control, E-way bills, zero-rated supply, Offences and Penalties, Appeals Unit VI: Customs Law Basic Concepts, Territorial Waters, High Seas, Types of Custom Duties, Valuation, Baggage Rules & Exemptions.

Note: In case of any subsequent notifications/amendments regarding GST or customs law by the government, the syllabus would be updated accordingly.

Suggested Readings

1. The Central Goods and Services Tax, 2017
2. The Integrated Goods and Services Tax, 2017
3. The Union Territory Goods and Services Tax, 2017
4. The Goods and Services Tax (Compensation to States), 2017
5. The Constitution (One hundred and First Amendment) Act, 2016
6. Gupta, S.S. , GST- How to meet your obligations (April 2017), Taxmann Publications
7. Halakandhi, S., G.S.T (Vastu and Sevakar) (Hindi) Vol-1, 2017
8. Gupta, S.S., Vastu and Sevakar, Taxmann Publications, 2017
9. Vastu and Sevakar Vidhan by Government of India
10. Ahuja G. and Gupta R., "simplified approach to GST & custom law", Flair publication
11. Bansal k.L.," GST & custom law", Taxmann publication

Note: More Readings for this paper will be notified in due course of time.

Paper: DSE-3 (anyone out of Group-C)

GROUP C	
a. Fundamentals of Investment	c. Business Tax Procedures and Management
b. Compensation Management	d. New Venture Planning
e. Consumer Affair and Customer Care	

DSE Group C (a): FUNDAMENTALS OF INVESTMENT

Objective: To familiarize the students with different investment alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.

Unit-I: The Investment Environment

The investment decision process, Types of Investments-Commodities, Real Estate and Financial Assets, The Indian securities market, the market participants and trading of securities, security market indices, sources of financial information. Return and risk: Concept, Calculation, Trade off between return and risk, Impact of taxes and inflation on return.

Unit-II: Fixed Income Securities

Bond Fundamentals, Estimating bond yields, Bond Valuation. Types of bond risks, default risk and credit rating.

Unit-III: Approaches to Equity Analysis

Fundamental Analysis, Technical Analysis and Efficient Market Hypothesis Valuation of Equity Shares using various models.

Unit-IV: Portfolio Analysis and Financial Derivatives

(a) Portfolio and Diversification, Portfolio Risk and Return (b) Mutual Funds (c)

Introduction to Financial Derivatives - Forwards, Futures & Options, Financial Derivatives Markets in India.

Unit-V: Investor Protection

Role of SEBI and stock exchanges in investor protection; Investor grievances and their redressal system, insider trading, investors' awareness and activism.

Spread sheet is the recommended software for doing basic calculations in finance and hence can be used for giving students subjects related assignments for their internal assessment purposes.

Suggested Readings

1. Jones, C.F. Investments Analysis and Management. Wiley.
2. Chandra, Prasanna. Investment Analysis and Portfolio Management. Tata McGraw Hill.
3. Rustogi, R.P. Fundamentals of Investment. Sultan Chand & Sons, New Delhi.
4. Vohra, N.D., and Bagri. B.R. Futures and Options. McGraw Hill Publishing.
5. Mayo. An Introduction to Investment. Cengage Learning.

Note: The Latest edition of text books may be used.

DSE Group C (b): COMPENSATION MANAGEMENT

Objective: To enable the students to design and administer a compensation system that rewards employees fairly while stimulating them to provide goods and services that satisfy customer demands and permitting the organisation to operate profitably.

Unit I: Compensation Management 5 Lectures

Concept, principles and practices; Consequences of pay dissatisfaction.

Unit II: Foundations of Compensation

Performance evaluation, Job evaluation – Job grading and Job design; Theories of Compensation; Executive Compensation.

Unit III: Compensation Strategy and Policy

Developing Strategic Compensation alternatives; Challenges of compensation design; broad bending; compensation policies in India.

Unit IV: Components of Compensation

Basic Pay, D.A. Incentives Plans; Profit Sharing Schemes; Employee Stock Ownership; Fringe benefits & retirement benefits, provident fund, gratuity, pension.

Unit V: International Compensation Management

Components of International Compensation package; approaches to international compensation.

Unit VI: Compensation Laws

Payment of Wages Act, Minimum Wages Act., Bonus Act., Payment of Gratuity Act., Employees State Insurance Act., and Workmen's Compensation Act.

Suggested Readings:

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1. Armstrong, M. & Hellen Murlis. Reward Management. A handbook of Remuneration Strategy.
 2. Dwivedi, R.S. Managing Human Resources; Personnel Management in the Indian Enterprises. Galgotia Publishing Co.
 3. Venkataratnam, C.S., & B. K. Srivastava. Personnel Management and Human Resources. Tata McGraw Hill.
 4. Thomas, J. Bergman, V.G. Scarpello and F.S. Hills. Compensation Decision Making. Dryden Press.
 5. Dunn, J.D. and F. M. Rachal. Wage and Salary Administration: Total Compensation System. McGraw Hill, New York.
 6. George, T. Milkovich and J.M. Newman. Compensation. Irwin.

Note: Latest edition of text book may be used.

DSE Group C (c): BUSINESS TAX PROCEDURE AND MANAGEMENT

Objective: To provide basic knowledge of business tax procedures and management under different provisions of the Income tax.

Unit I: Advance payment of tax Tax deduction/collection at source, documentation, returns, Certificates Interest payable by Assessee/Government Collection and recovery of tax

Unit II: Assessment, re-assessment, rectification of mistakes Appeals and revisions - Preparation and filing of appeals with appellate authorities - Drafting of appeal; statement of facts and statement of law

Unit III: Penalties and prosecutions Settlement Commission Search, seizure and survey

Unit IV: Transactions with persons located in notified jurisdictional area General anti-avoidance rule Tax clearance certificate Securities transaction tax

Unit V: Information Technology and Tax administration TAN (Tax Deduction and Collection Account Number), TIN (Tax Information Network), e-TDS/e-TCS E-filing of ITRS

Suggested Readings:

1. Singhanian, Vinod K. and Singhanian, Monica. *Corporate Tax Planning and Business Tax Procedures*. Taxmann Publications Pvt. Ltd., New Delhi.
2. Ahuja, Girish. and Gupta, Ravi. *Corporate Tax Planning and Management*. Bharat Law House, Delhi.
3. Bajpai, Om Shanker. *Search, Seizure and Survey*. Taxmann Publications Pvt. Ltd., New Delhi.
4. Ahuja, Girish. and Gupta, Ravi. *Systematic Approach to Income Tax*. Bharat Law House, Delhi.

Journals

1. Income Tax Reports, Company Law Institute of India Pvt. Ltd., Chennai.
2. Taxman, Taxmann Allied Services Pvt. Ltd., New Delhi.
3. Current Tax Reporter, Current Tax Reporter, Jodhpur.

Note: Latest edition of text books may be used.

Group C (d): NEW VENTURE PLANNING

Objective: The curriculum aims at giving exposure to students regarding different aspects of setting up a new business. After completing the course student should be able to develop an understanding of the process of identifying various sources of new business ideas of products and services. The understanding of this paper will help them to examine, evaluate and approach different sources of finance, the nature of marketing effort required and to develop a comprehensive business plan.

Unit I: Starting New Ventures

Opportunity identification. The search for new ideas. Source of innovative ideas. Techniques for generating ideas. Entrepreneurial imagination and creativity: The role of creative thinking. Developing your creativity. Impediments to creativity.

Unit II: Methods to Initiate Ventures

The pathways to New Ventures for Entrepreneurs, Creating New Ventures. Acquiring an established Venture: Advantages of acquiring an ongoing Venture. Examination of key issues. Franchising: How a Franchise works. Franchise law. Evaluating the franchising opportunities.

Unit III: Legal Challenges in Setting up Business

Intellectual Property Protection: Patents, Trademarks, and Copyrights. Requirements and Procedure for filing a Patent, Trademark, and Copyright. Legal acts governing businesses in India. Identifying Form of Organisation: Sole Proprietorship, Partnership, Limited Liability Partnership and Company.

Unit IV: The Search for Entrepreneurial Capital

The Entrepreneur's Search for Capital. The Venture Capital Market. Criteria for evaluating New-Venture Proposals. Evaluating the Venture Capitalist.

Financing stages. Alternate Sources of Financing for Indian Entrepreneurs. Bank Funding. Government Policy Packages. State Financial Corporations (SFCs). Business Incubators and Facilitators. Informal risk capital: Angel Investors.

Unit V: The Marketing Aspects of New Ventures

Developing a Marketing Plan: Customer Analysis, Sales Analysis and Competition Analysis. Market Research. Sales Forecasting. Evaluation. Pricing Decision.

Unit VI: Business Plan Preparation for New Ventures

Business Plan: Concept. Pitfalls to Avoid in Business Plan. Benefits of a Business Plan. Developing a Well-Conceived Business Plan. Elements of a Business Plan: Executive Summary. Business Description. Marketing: Market Niche and Market Share. Research, Design and Development. Operations. Management. Finances. Critical-Risk. Harvest Strategy. Milestone Schedule.

Suggested Case Studies: Case studies related to business or start ups in e-commerce, services, retailing, travel and hospitality.

Suggested Readings:

1. Kuratko, D.F., and T. V. Rao, *Entrepreneurship: A South-Asian Perspective*, Cengage Learning.
2. Robert, H. M., Manimala, M. Peters, and D. Shepherd, *Entrepreneurship*, Tata McGraw Hill, India.
3. Barringer, B. R., and R. D. Ireland, *Entrepreneurship: Successfully Launching New Ventures*, Pearson Education, India.
4. Allen, K.R., *Launching New Ventures: An Entrepreneurial Approach*, Cengage Learning.
5. Hishrich., Peters, *Entrepreneurship: Starting, Developing and Managing a New Enterprise*, Irwin.
6. Ramachandran, K., *Entrepreneurship Development*, Tata McGraw Hill, India.
7. Roy, Rajeev, *Entrepreneurship*, Oxford University Press.
8. Kumar, Arya, *Entrepreneurship: Creating and Leading an Entrepreneurial Organization*, Pearson, India.
9. Holt, David H., *Entrepreneurship: New Venture Creation*, PHI Learning.
10. Nickels, William G; McHugh, James M, and Susan M McHugh; *Understanding Business*, Tata McGraw Hill.

Note: Latest edition of the book may be used

DSE Group C (e): CONSUMER AFFAIRS AND CUSTOMER CARE

Objective: This paper seeks to familiarise the students with their rights as a consumer and provide understanding of social framework of consumer rights and legal framework of protecting consumer rights.

Unit I: Conceptual Framework

Consumer and Markets: Concept of Consumers; Nature of markets; Concept of Price in Retail and Wholesale; Maximum Retail Price (MRP) and Local Taxes; Fair Price; misleading advertisements and deceptive packaging.

Experiencing Dissatisfaction: complaining behaviour; Form of Complaint to a business. Making a complaint heard by the Business; Corporate Redress Systems; Conciliation and Intermediation for out-of-court Redressal.

Quality and Standardization: Role of National Standards; National Standards- Indian Standards Mark (ISI), Agmark; Voluntary and Mandatory standards; Licensing and Surveillance. Consumer grievance redressal under the BIS Act, 1986; Introduction to International Standards ISO 10000 Suite: International standards on handling of consumer complaints by Organizations;

Unit II: The Consumers Protection Act, 1986

Objectives and Basic Concepts: Consumer, goods, service, defect in goods, deficiency in service, spurious goods and services, unfair trade practice, restrictive trade practice. Organizational set-up under the Consumer Protection Act Advisory Bodies: Consumer Protection Councils at the Central, State and District Levels, Basic Consumer Rights.

Adjudicatory Bodies: Their composition, powers and jurisdiction (pecuniary and

Territorial): District Forum; State Commission; National Commission. Role of Supreme Court under the CPA.

Unit III: Grievance Redress Mechanism under the CPA, 1986

Who can file a complaint? Grounds of filing a complaint; Limitation period; Procedure for filing and hearing of a complaint; Temporary Injunction. Reliefs which can be provided; Appeal; Enforcement of order; Bar on frivolous and vexatious complaints; Offences and penalties.

Leading Cases decided under Consumer Protection Act related to:

i. Medical Negligence	iv. Electricity, Water, and Telecom Services.
ii. Banking and Financial Service	v. Education
iii. Housing & Real Estate	vi. Defective Product
vii. Unfair Trade Practice	

Unit IV: Consumer Protection in India

- a. **Consumer Movement in India:** Formation of consumer organization and their role in consumer protection including Advocacy and Campaigning for policy intervention; Evolution of Consumer Movement in India. Recent developments in Consumer Protection in India; National consumer Helpline, Citizens Charter, Product testing
- b. **Industry Regulators and Consumer Complaint Redress Mechanism**
 - i. Banking: RBI and Banking Ombudsman
 - ii. Telecommunication: TRAI
 - iii. Insurance: IRDA
 - iv. Food items: Food Safety and Standards Authority of India (an overview)
 - v. Electricity Supply: Electricity Regulatory Commission
 - vi. Civil Aviation: DGCA

Unit V: Competition Law

Competition Act 2002: Objective, Purpose and Salient Features. Concept of: - Agreements having Adverse Impact on Competition; Abuse of Dominant Position; Regulation of Combination; Criteria for Determining "Appreciable Adverse Effect on Competition" and 'Dominant Position'; 'Relevant Geographic Market' Factors; 'Relevant Product Market' Factors. Complaints and Procedures.

Suggested Readings:

1. Aggarwal, V. K. Consumer Protection: Law and Practice. Bharat Law House, Delhi.
2. Girimaji, Pushpa .Consumer Right for Everyone Penguin Books.
3. Nader, Ralph.The Consumer and Corporate Accountability. USA, Harcourt Brace Jovanovich, Inc.
4. How to Survive as a Consumer? CUTS, India www.cuts.org.
5. The Competition Act, (2002).
6. The Consumers Protection Act, 1986
7. The Bureau of Indian Standards Act 1986 9. The Food Safety and Standards Act 2005

8. The Food Safety and Standards Act 2005

Articles

1. Jain, Sanjay K. and Kaur Gurmeet (2003). Strategic Green Marketing: How should Business Firms Go about Adopting It? The Indian Journal of Commerce. Vol.56. No.4. pp 1-16.
2. Jain, Sanjay K. and Kaur Gurmeet (2004). Ecolabelling: Genesis, Issues and Perspectives. Efulgence. Vol.2. No.1. pp. 5-18.
3. Ralph L. Day and Laird E. Landon, Jr. (1997). Towards a Theory of Consumer Complaining Behaviour. Ag Woodside, et al. (eds.). Consumer and Industrial Buying Behaviour. New York; North Holland pp. 425-37.
4. Verma ,D.P.S. (2002). Regulating Misleading Advertisements Legal Provisions and Institutional Framework. Vikalpa. Vol. 26. No. 2. pp. 51-57.
6. George, S. Day and A. Aaker (1970). A Guide to consumerism. Journal of Marketing. Vol. 34. pp 12-19.

Periodicals

1. Consumer Protection Judgements (CPJ) (Relevant cases reported in various issues).
2. Ethical Consumer (Magazine): ECRA Publishing Ltd. U.K www.ethicalconsumer.org
3. Upbhokta Jagran, Ministry of Consumer Affairs, Govt, of India.

Note: The Latest edition of text books may be used.

Paper: DSE-4 (anyone out of Group-D)

GROUP D	
a. Financial Reporting and Analysis	c. International Business
b. Business Research Method and Project Work	d. Industrial Realation and Labour Laws

DSE Group D (a): FINANCIAL ANALYSIS AND REPORTING

Objective: To gain ability to understand, analyse and interpret the basic framework of financial reporting.

Unit I: Basis of Financial Reporting

Purpose of financial reporting, users of financial reports, conceptual framework for financial reporting.

Unit II: Understanding Financial Statements

Structure of Financial Statements: Introduction, Statement of Financial Position (Balance Sheet), Statement of Earnings (Income Statement), and Statement of Cash Flows (Cash Flow Statement).

Additional disclosure statements: Need for Additional Statements, Auditor's

Report, Director's Report, Funds Flow Statement, Electronic Dissemination, and Corporate Governance.

Unit III: Components of Financial Statements

Inventories, Receivables, Assets (Fixed Tangible, Intangible), Leases, Revenue, Income-Tax, Retained Earnings.

Unit IV: Analysis & Interpretation of Financial Statements

Ratio Analysis – Liquidity, Solvency, Activity & Profitability Analysis, Comparative & Common Size Analysis (Vertical & Horizontal Analysis), Financial Statement Variation by Type of Industry

Expanded Analysis: Financial Ratios used in Annual Reports, Management's use of Analysis, Graphing Financial Information

Unit V: Accounting Standards in India & IFRS- Basic Framework.

Suggested Readings:

1. Lal, Jawahar, *Corporate Financial Reporting: Theory & Practice*, Taxmann Applied Services, New Delhi.
2. Raiyani, J. R. and Lodha, G., *International Financial Reporting Standard (IFRS) and Indian Accounting Practices*, New Century Publications.
3. Singh, N. T. and Agarwal, P., *Corporate Financial Reporting in India*, Raj Publishing, Jaipur.
4. Hennie, V. G., *International Financial Reporting Standards: A practical guide*, Washington: World Bank.
5. Alexander, D., Britton, A. and A. Jorissen, *Global Financial Reporting and Analysis*, Cengage Learning, Indian edition.

Note: Latest edition of text book may be used

DSE Group D (b): BUSINESS RESEARCH METHODS AND PROJECT WORK

Objective: This course aims at providing the general understanding of business research and the methods of business research. The course will impart learning about how to collect, analyze, present and interpret data.

Section A: Business Research Methods

Unit I: Introduction

Meaning of research; Scope of Business Research; Purpose of Research – Exploration, Description, Explanation; Unit of Analysis – Individual, Organization, Groups, and Data Series; Conception, Construct, Attributes, Variables.

Unit II: Research Process

An Overview; Problem Identification and Definition; Selection of Basic Research Methods- Field Study, Laboratory Study, Survey Method, Observational Method, Existing Data Based Research, Longitudinal Studies, Panel Studies.

Unit III: Measurement

Definition; Designing and writing items; Uni-dimensional and Multi-dimensional

scales; Measurement Scales- Nominal, Ordinal, Interval, Ratio; Ratings and Ranking Scale, Thurstone, Likert and Semantic Differential scaling, Paired Comparison; Sampling –Steps, Types, Sample Size Decision; Secondary data sources.

Unit IV: Hypothesis Testing

Tests concerning means and proportions; ANOVA, Chi-square test and other Non-parametric tests, assumptions of Classical Normal Linear Regression

Section B: Project Report

Unit V: Report Preparation

Meaning, types and layout of research report; Steps in report writing; Citations, Bibliography and Annexure in report; JEL Classification.

Note:

1. There shall be a written examination of 50% Marks on the basis of Unit I: to IV.
2. The student will write a project report under the supervision of a faculty member assigned by the college/institution based on field work. The Project Report carries 50% Marks and will be evaluated by University appointed examiners.

Suggested Readings:

1. Babbie, Earl R. The practice of social research. Wadsworth publication
2. Chawla, Deepak and Soundhi, Neena. Research methodology: Concepts and cases. Vikas publications.
3. Webster, allen L., Applied statistics for business and economics: An essential approach. TMH
4. Cohen, J., Cohen, P., west, S. G., and Aiken L. S. Applied Multiple Regression/Correlation Analysis for Behavioural Sciences. Routledge.
5. Zikmund, W.G. Business Research Method. South Western Thomson Learning, USA.
7. Emroy, C. William. Business Research Methods, Homewood, Richard D. Irwin.
8. Gujarati, Damodar., Dawn, C. Porter., and Gunasekar, Sangeetha. Basic Econometrics. Tata McGraw Hill.

Note: Latest edition of the book may be used.

DSE Group D (c): INTERNATIONAL BUSINESS

Objective: To expose students to the concept, importance and dynamics of international business and India's involvement with global business operations.

Unit I

Introduction to International Business: Globalization and its growing importance in world economy; Impact of globalization; International business contrasted with domestic business - complexities of international business; Internationalization Stages and Orientations. Modes of entry into international business.

International Business Environment: National and foreign environments and their

components - economic, cultural and political-legal environments; Global trading environment - recent trends in world trade in goods and services; Trends in India's foreign trade.

Unit II

International Trade –Theories of International Trade, tariff and nontariff measures; Balance of payment account and its components.

International and economic organizations: WTO, UNCTAD, World Bank and IMF.
Regional Economic Integration: Forms of regional integration; Integration efforts among countries in Europe, North America and Asia. Cost and benefit of regional economic integration.

Unit III

International Financial Environment: International financial system and institutions; Foreign exchange markets, Spot market, spot rate quotations, bid-ask spreads, Trading in spot markets, Cross exchange rates; Forward Market: forward rate, long and short forward positions, forward premium and discount. Arbitrage, hedging and speculation; Foreign investments - types and flows; Foreign investment in Indian perspective.

Unit IV

Exchange Rate Determination: Factors affecting exchange rate –Relative inflation rates, relative interest rates, relative income levels, government controls, expectations, B.Com (Hons.) CBCS 47 Department of Commerce, University of Delhi, Delhi etc. Government intervention and government influence on exchange rates. Theories of exchange rate – Purchasing Power Parity, Interest Rate Parity and Fisher's effect.

Unit V

Foreign Trade promotion measures and organizations in India: Special economic zones (SEZs) and 100% export oriented units (EOUs); Measures for promoting foreign investments into and from India; Indian joint ventures and acquisitions abroad.

Suggested Readings:

1. Charles W.L. Hill and Arun Kumar Jain, International Business. New Delhi: Tata McGraw-Hill.
2. Johnson, Derbe., and Colin Turner. International Business - Themes & Issues in the Modern Global Economy. London: Routledge.
3. Cherunilam, Francis. International Business: Text and Cases. Prentice Hall of India Ltd.
4. Daniels John, D. Lee H. Radenbaugh and David P. Sullivan. International Business. Pearson Education
5. Justin, Paul. International Business. Prentice Hall of India Ltd.
6. Michael R. Czinkota. et al. International Business. Fortforth: The Dryden Press.
7. RBI. Report on Currency & Finance, various issues.

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8. Griffin, Ricky W. and Michael W. Pustay. *International Business - A Managerial Perspective*. Prentice Hall.
 9. V Sharan, *International Business*, Pearson Education.
 10. Bennett, Roger. *International Business*. Delhi: Pearson.
 11. UNCTAD Reports.
 12. WTO, Annual Report, various issues.

Note: Latest edition of text books may be used.

DSE Group D (d): INDUSTRIAL RELATIONS AND LABOUR LAWS

Objective: To enable the students to learn the concepts of industrial relations including trade unions, collective bargaining, discipline and various labour enactments.

Unit 1: Industrial Relations (IR)

Concept of Industrial Relations; Nature of Industrial Relations; Objectives of IR; Factors affecting IR in changing Environment, Evolution of IR in India; Role of State; Trade Union; Employers' Organisation; Human Resource Management and IR Role of ILO in Industrial Relations, International Dimensions of IR.

Unit 2: Trade Union

Trade Union: Origin and growth, unions after Independence, unions in the era of liberalisation; Factors Affecting Growth of Trade Unions in India, Multiplicity & Recognition of Trade Unions; Major Provisions of Trade Union Act 1926

Unit III: Discipline and Grievance Redressal

Discipline: Causes of indiscipline, Maintenance of discipline and misconduct; Highlights of domestic enquiries; Principle of Natural Justice; Labour turnover; Absenteeism; Grievance: Meaning of Grievance, Grievance redressal machinery in India, Grievance handling procedure; salient features of Industrial Employment (Standing orders) Act 1946

Unit IV: The Industrial Disputes Act, 1947

Definitions of Industry, workman, and Industrial Dispute; Authorities under the Act: Procedure, Powers and Duties of Authorities; Strikes and Lock outs: Lay-off and Retrenchment: Provisions relating to Layoff, Retrenchment, and closure.

Unit V: The Factories Act, 1948

Provisions relating to manufacturing process, workers, occupier, Health, Safety, Welfare facilities.

Suggested Readings:

1. Venkata Ratnam, C.S. *Industrial Relations*, Oxford University Press, Delhi.
2. Sharma, J.P. *Simplified Approach to Labour Laws*, Bharat Law House (P) Ltd
3. Salamon, Michael. *Industrial Relations: Theory and Practice*. Pearson Education.
4. Farnham., and Limlott, J. *Understanding Industrial Relations* Casell.

Note: Latest edition of text books may be used.

SYLLABUS: B.A. (Hons.) Economics

Semester - I

Paper: ENVIRONMENTAL STUDIES/ COMMUNICATION (A/B) (ENGLISH/HINDI)*

Please refer to Page No. for details of ENVIRONMENTAL STUDIES/ COMMUNICATION (A/B) (ENGLISH/HINDI)

Paper: Core Economics Course 1: Mathematical Methods for Economics I

Course Objective

This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Course Learning Outcomes

The course hones and upgrades the mathematical skills acquired in school and paves the way for the second semester course Mathematical Methods in Economics II. Collectively, the two papers provide the mathematical foundations necessary for further study of a variety of disciplines including economics, statistics, computer science, finance and data analytics. The analytical tools introduced in this course have applications wherever optimisation techniques are used in business decision-making. These tools are necessary for anyone seeking employment as an analyst in the corporate world. The course additionally makes the student more logical in making or refuting arguments.

Unit 1

Preliminaries Logic and proof techniques; sets and set operations; relations; functions and their properties; number systems

Unit 2

Functions of one real variable Graphs; elementary types of functions: quadratic, polynomial, power, exponential, logarithmic; sequences and series: convergence, algebraic properties and applications;

Continuous functions: characterisations, properties with respect to various operations and applications;

Differentiable functions: characterisations, properties with respect to various operations and applications; Second and higher order derivatives: properties and applications

Unit 3

Single-variable optimization Geometric properties of functions: convex functions, their characterisations and applications; local and global optima: geometric and calculus-based characterisations, and applications

Unit 4

Linear algebra Vector spaces: algebraic and geometric properties, scalar products, norms, orthogonality; linear transformations: properties, matrix representations and elementary operations; systems of linear equations: properties of their solution sets; determinants: characterization, properties and applications

References

1. Sydsaeter, K., Hammond, P. (2002). Mathematics for economic analysis. Pearson Educational.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Sets, functions, continuity, differentiability, vector space, linear mappings

Paper: Core Economics Course 2: Introductory Microeconomics

Course Objective

This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real life situations.

Course Learning Outcomes

The course introduces the students to the first course in economics from the perspective of individual decision making as consumers and producers. The students learn some basic principles of microeconomics, interactions of supply and demand, and characteristics of perfect and imperfect markets.

Unit 1

Introduction

What is microeconomics? Scope and method of economics; the economic problem: scarcity and choice; the concept of opportunity cost; the question of what to produce, how to produce and how to distribute output; science of economics; institutions for allocating resources; the basic competitive model; prices, property rights and profits; incentives and information; rationing; positive versus normative analysis

The scientific method; the role of assumptions; models and mathematics; why economists sometimes disagree

Interdependence and gains from trade; specialization and trade; absolute advantage; comparative advantage and trade

Unit 2

Supply and demand: How markets work, markets and welfare Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts in the

demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets

Application to international trade; comparison of equilibria with and without trade, the winners and losers from trade; effects of tariffs and quotas; benefits of international trade; some arguments for restricting trade

Unit 3

The Households The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer's optimum choice; income and substitution effects; labour supply and savings decision; choice between leisure and consumption

Unit 4

The firm and perfect market structure Behaviour of profit maximizing firms and the production process; short-run costs and output decisions; costs and output in the long-run

Unit 5

Imperfect Market Structure Monopoly and anti-trust policy; government policies towards competition; imperfect competition

Unit 6

Input Markets Labour and land markets: Basic concepts (derived demand, productivity of an input, marginal productivity of labour, marginal revenue product); demand for labour; input demand curves; shifts in input demand curves; competitive labour markets; labour markets and public policy

References

1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Mankiw, N. (2007). Economics: Principles and applications, 4th ed. Cengage Learning.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Supply, demand, elasticity, consumer behaviour, firm behaviour, perfect and imperfect markets

Paper GE-1(A): Basics of Accounting or Business Organisation and Management

*Please refer to Page No. 112 for details of Basics of Accounting or Business Organisation and Management

Paper GE-1(B) ACADEMIC WRITING AND COMPOSITION

Paper GE-1(C): CALCULUS

*Please refer to Page No. 113 for details of Calculus

Paper GE-1(D):हिंदी सिनेमा

*Please refer to Page No. 113 for details of हिंदी सिनेमा

Paper GE-1(E): POLITICS OF GLOBALIZATION

*Please refer to Page No. 114 for details of Political of Globalization

Paper GE-1(F): Yoga and Stress Management

*Please refer to Page No. 153 for details of Political of Globalization

Semester - II

Paper: ENVIRONMENTAL STUDIES/ COMMUNICATION (ENGLISH/HINDI)*

Please refer to Page No. 106 for details of ENVIRONMENTAL STUDIES/ COMMUNICATION (ENGLISH/HINDI)

Paper: ECONOMICS CORE COURSE 3: Mathematical Methods for Economics II

Course Objective

This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Course Learning Outcomes

The course provides the mathematical foundations necessary for further study of a variety of disciplines including postgraduate economics, statistics, computer science, finance and data analytics. The analytical tools introduced in this course have applications wherever optimization techniques are used in business decision-making for managers and entrepreneurs alike. These tools are necessary for anyone seeking employment as an analyst in the corporate world.

Unit 1

Functions of several real variables Geometric representations: graphs and level curves; differentiable functions: characterisations, properties with respect to various operations and applications; second order derivatives: properties and applications; the implicit function theorem, and application to comparative statics problems; homogeneous and homothetic functions: characterisations and applications

Unit 2

Multivariate optimization Convex sets; geometric properties of functions: convex functions, their characterisations, properties and applications; further geometric properties of functions: quasiconvex functions, their characterisations, properties and applications; unconstrained optimisation: geometric characterisations, characterisations using calculus and applications; constrained optimisation with

equality constraints: geometric characterisations, Lagrange characterisation using calculus and applications; properties of value function: envelope theorem and applications

Unit 3

Linear programming Introduction, graphical solution, matrix formulation, duality, economic interpretation

Unit 4

Integration, differential equations, and difference equations Definite integrals, indefinite integrals and economic applications; first order difference equations, equilibrium and its stability; first order differential equations, phase diagrams and stability

References

1. Sydsaeter, K., Hammond, P. (2002). Mathematics for economic analysis. Pearson Educational.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Functions of several real variables, multivariate optimisation, linear programming, integration, differential equations, and difference equations

Paper: ECONOMICS CORE COURSE 4: INTRODUCTORY MACROECONOMICS

Course Objective

This is the first module in a three-module sequence that introduces students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like GDP, savings, investment, money, inflation, and the balance of payments. It also introduces students to simple analytical frameworks (e.g., the IS-LM model) for determination of equilibrium output.

Course Learning Outcomes

This course aims to develop the broad conceptual frameworks which will enable students to understand and comment upon real economic issues like inflation, money supply, GDP and their interlinkages. It will also allow them to critically evaluate various macroeconomic policies in terms of a coherent logical structure.

Unit 1

Introduction to macroeconomics and national income accounting Basic issues studied in macroeconomics: Measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy; balance of payments: current and capital accounts

Unit 2

Money Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy

Unit 3

Inflation Inflation and its social costs; hyperinflation

Unit 4

The closed economy in the short run Classical and Keynesian systems; simple Keynesian model of income determination; IS-LM model; fiscal and monetary multipliers

References

1. Abel, A., Bernanke, B. (2016). Macroeconomics, 9th ed. Pearson Education.
2. Blanchard, O. (2018). Macroeconomics, 7th ed. Pearson Education.
3. Dornbusch, R., Fischer, S., Startz, R. (2018). Macroeconomics, 12th ed. McGraw-Hill.
4. Jones, C. (2016). Macroeconomics, 4th ed. W. W. Norton.
5. Mankiw, N. (2016). Macroeconomics, 9th ed. Worth Publishers.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

National income accounting, money, inflation, classical model, Keynesian model

Paper GE-2 (A): Entrepreneurship or Finance for Non-Finance Executives

*Please refer to Page No. 117 see details of Entrepreneurship or Finance for Non-Finance Executives

Paper GE-2(B): THE INDIVIDUAL AND SOCIETY

*Please refer to Page No. 156 see details of following papers

Paper GE-2(C): LINEAR ALGEBRA

*Please refer to Page No. 118 for details of Linear Algebra

Paper GE-2(D): पट कथा और संवाद लेखन

*Please refer to Page No. 119 for details of पट कथा और संवाद लेखन

Paper GE-2(E) WOMEN, POWER AND POLITICS

*Please refer to Page No. 119 for details of Contemporary Political Economy

Paper GE-2(F): Obesity Management

*Please refer to Page No. 161 for details of Contemporary Political Economy

Semester - III

Paper: ECONOMICS CORE COURSE 5: INTERMEDIATE MICROECONOMICS - I

Course Objective

The course is designed to provide a sound training in microeconomic theory to formally analyze the behaviour of individual agents. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts. This course looks at the behaviour of the consumer and the producer and also covers the behaviour of a competitive firm.

Course Learning Outcomes

The course trains the students of Economics about the basic elements of consumer theory and production theory and the functioning of perfectly competitive market. This course aims to give students a solid grasp of microeconomic analysis at the intermediate-level using mathematical techniques where appropriate.

Unit 1

Consumer theory. Preference; utility; budget constraint; choice; demand; Slutsky equation; buying and selling; choice under risk and intertemporal choice; revealed preference

Unit 2

Production, costs and perfect competition Technology; isoquants; production with one and more variable inputs; returns to scale; short run and long run costs; cost curves in the short run and long run; review of perfect competition

References

1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw- Hill.
2. Snyder, C., Nicholson, W. (2010). Fundamentals of microeconomics. Cengage Learning.
3. Varian, H. (2010). Intermediate microeconomics: A modern approach, 8th ed. W. W. Norton.

Additional Resources

1. Bergstrom, T., Varian, H. (2014). Workouts in intermediate microeconomics. W. W. Norton.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

Consumer theory, producer theory, perfect competition

Paper: ECONOMICS CORE COURSE 6: INTERMEDIATE MACROECONOMICS – I

Course Objective

This is the second module of a three-module sequence on Macroeconomics. This course introduces students to formal modeling of the macroeconomy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context. It also introduces students to various micro-founded theories of macro behaviour, e.g., consumption and investment behaviour of households and the demand for money generated in the household sector.

Course Learning Outcomes

This course enables students to analyse the macroeconomic performance of various countries using formal analytical tools. It also allows them to evaluate important macroeconomic policies and their implications.

Unit 1

The labour market Wage determination; wages, prices and employment; natural rate of unemployment; from employment to output

Unit 2

Aggregate demand and aggregate supply curves Derivation of aggregate demand and aggregate and supply curves; interaction of aggregate demand and supply to determine equilibrium output, price level and employment

Unit 3

Inflation, unemployment and expectations Phillips curve; adaptive and rational expectations; policy ineffectiveness debate

Unit 4

Microeconomic foundations Consumption: Keynesian consumption function; Fisher's theory of optimal intertemporal choice; lifecycle and permanent income hypotheses; rational expectations and random walk of consumption expenditure

Investment: determinants of business fixed investment; residential investment and

inventory investment

Demand for money

References

1. Abel, A., Bernanke, B. (2016). *Macroeconomics*, 9th ed. Pearson Education.
2. Blanchard, O. (2018). *Macroeconomics*, 7th ed. Pearson Education.
3. Branson, W. (2013). *Macroeconomics: Theory and policy*, 3rd ed, East West Press.
4. Dornbusch, R., Fischer, S., Startz, R. (2018). *Macroeconomics*, 12th ed. McGraw-Hill.
5. Jones, C. (2016). *Macroeconomics*, 4th ed. W. W. Norton.
6. Mankiw, N. (2016). *Macroeconomics*, 9th ed. Worth Publishers.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Aggregate demand, aggregate supply, inflation, unemployment, expectations

Paper: ECONOMICS CORE COURSE 7: STATISTICAL METHODS FOR ECONOMICS

Course Objective

The course teaches students the basics of probability theory and statistical inference. It sets a necessary foundation for the econometrics courses within the Honours programme. The familiarity with probability theory will also be valuable for courses in advanced microeconomic theory.

Course Learning Outcomes

At the end of the course, the student should understand the concept of random variables and be familiar with some commonly used discrete and continuous distributions of random variables. They will be able to estimate population parameters based on random samples and test hypotheses about these parameters. An important learning outcome of the course will be the capacity to analyse statistics in everyday life to distinguish systematic differences among populations from those that result from random sampling.

Unit 1

Introduction and overview The distinction between populations and samples and

between population parameters and sample statistics

Unit 2

Elementary probability theory Sample spaces and events; probability axioms and properties; counting techniques; conditional probability and Bayes' rule; independence

Unit 3

Random variables and probability distributions Defining random variables; probability distributions; expected values and functions of random variables; properties of commonly used discrete and continuous distributions (uniform, binomial, exponential, Poisson, hypergeometric and Normal random variables)

Unit 4

Random sampling and jointly distributed random variables Density and distribution functions for jointly distributed random variables; computing expected values of jointly distributed random variables; covariance and correlation coefficients

Unit 5

Point and interval estimation Estimation of population parameters using methods of moments and maximum likelihood procedures; properties of estimators; confidence intervals for population parameters

Unit 6

Hypothesis testing Defining statistical hypotheses; distributions of test statistics; testing hypotheses related to population parameters; Type I and Type II errors; power of a test; tests for comparing parameters from two samples

References

1. Devore, J. (2012). Probability and statistics for engineers, 8th ed. Cengage Learning.
2. Larsen, R., Marx, M. (2011). An introduction to mathematical statistics and its applications. Prentice Hall.
3. Miller, I., Miller, M. (2017). J. Freund's mathematical statistics with applications, 8th ed. Pearson.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Population parameters, sample statistics, probability, statistical Inferences.

Paper - GE-3(A): INVESTING IN STOCK MARKETS OR HUMAN RESOURCE MANAGEMENT OR FUNDAMENTALS OF MARKETING

*Please refer to Page No. 126 see details of Project Management

Paper GE-3(B): MEDIA AND COMMUNICATION SKILLS

*Please refer to Page No. 156 see details of following Paper

Paper - GE-3(C): GE-3: Linear Programming and Game Theory

*Please refer to Page No. 126 for details of Differential Equations

Paper - GE-3(D): हिंदी कहानी

*Please refer to Page No. 127 for details of हिंदी कहानी

Paper - GE-3(E): CONTEMPORARY POLITICAL ECONOMY

*Please refer to Page No. 128 for details of Nationalism in India

Paper - GE-3(F): Aerobic Training

*Please refer to Page No. 151 for details of Nationalism in India

Paper -: SEC-1: DATA ANALYSIS

Course Objective

This is a skill enhancement course for data analysis. The students will be given hands on training on using statistical and computing software to better visualize and understand data concepts. The course is designed to be delivered through 2 classroom lectures and 4 computer lab classes per week.

Course Learning Outcomes

The course will use data simulations and publicly available data sources to help students learn about data types, their organization and visual representation. They will learn how to compute summary statistics and do some basic statistical inference.

Unit 1 Introduction to the course:

How can the representation and analysis of data help us study real-world problems. Publicly available data sets

Unit 2 Using Data:

Available statistical software, steps in data storage, organisation and cleaning

Unit 3 Visualisation and Representation:

Alternative forms of presenting summarising and presenting data

Unit 4

Simple estimation techniques and tests for statistical inference

References

1. Levine, D., Stephan, D., Szabat, K. (2017). Statistics for managers using Microsoft Excel, 8th ed. Pearson.
2. Tattar, P., Ramaiah, S., Manjunath, B. (2018). A course in statistics with R. Wiley.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Data representation, statistical software, estimation

Semester - IV

Paper -: ECONOMICS CORE COURSE 8: INTERMEDIATE MICROECONOMICS - II

Course Objective

This course is a sequel to Intermediate Microeconomics I. The emphasis will be on giving conceptual clarity to the student coupled with the use of mathematical tools and reasoning. It covers general equilibrium and welfare, imperfect markets and topics under information economics.

Course Learning Outcomes

This course helps the students to understand efficiency of markets and the environment where the standard market mechanism fails to generate the desirable outcomes. The issues of market imperfection and market failures are important building blocks of this course.

Unit 1

General equilibrium, efficiency and welfare Equilibrium and efficiency under pure exchange and production; overall efficiency and welfare economics

Unit 2

Market structure and game theory Monopoly; pricing with market power; price discrimination; peak-load pricing; two-part tariff; monopolistic competition and oligopoly; game theory and competitive strategy

Unit 3

Market failure Externalities; public goods and markets with asymmetric information

References

1. Osborne, M. (2004). An introduction to game theory. Oxford University Press.
2. Snyder, C., Nicholson, W. (2010). Fundamentals of microeconomics. Cengage Learning.
3. Varian, H. (2010). Intermediate microeconomics: A modern approach, 8th ed. W. W. Norton.

Additional Resources

1. Bergstrom, T., Varian, H. (2014). Workouts in intermediate microeconomics.

W. W. Norton.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

General equilibrium, efficiency, welfare, market structure, imperfect competition, externalities, public goods

Paper -: ECONOMICS CORE COURSE 9: INTERMEDIATE MACROECONOMICS – II

Course Objective

This course is a sequel to Intermediate Macroeconomics I. In this course, students are introduced to long run issues like growth, technical progress, economics of ideas, R&D, innovation and knowledge creation. This course also provides insights into modern business cycle analysis. Finally it introduces students to open economy macro issues. At the end, it provides a long run perspective to policy-making by framing policies in a dynamic context.

Course Learning Outcomes

This course will enable students to combine their knowledge of the working of the macroeconomy with long run economic phenomena like economic growth, technological progress, R&D and innovation. It will also enable students to understand business cycles and the concomitant role of policies.

Unit 1

Economic growth Harrod-Domar model; Solow model; Golden rule, technological progress, economics of ideas, engines of growth, modern theories of endogenous growth

Unit 2

Business cycles Real business cycle theory; new Keynesian models of sticky prices

Unit 3

Open economy models Short-run open economy models; Mundell-Fleming model; exchange rate determination; purchasing power parity; asset market approach; Dornbusch's overshooting model; monetary approach to balance of payments; international financial markets

Unit 4

Fiscal and monetary policy Active or passive; monetary policy objectives and targets; rules versus discretion: time consistency; the government budget constraint; government debt and Ricardian equivalence

References

1. Abel, A., Bernanke, B. (2016). Macroeconomics, 9th ed. Pearson Education.

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2. Blanchard, O. (2018). Macroeconomics, 7th ed. Pearson Education.
 3. Branson, W. (2013). Macroeconomics: Theory and policy, 3rd ed, East West Press.
 4. Dornbusch, R., Fischer, S., Startz, R. (2018). Macroeconomics, 12th ed. McGraw-Hill.
 5. Jones, C. (2013). Introduction to economic growth, 2nd ed. W. W. Norton.
 6. Jones, C. (2016). Macroeconomics, 4th ed. W. W. Norton.
 7. Mankiw, N. (2016). Macroeconomics, 9th ed. Worth Publishers

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Economic growth, business cycles, open economy models, fiscal and monetary policy

Paper -: ECONOMICS CORE COURSE 10: INTRODUCTORY ECONOMETRICS

Course Objective

This course introduces students to the econometric methods used to conduct empirical analysis in Economics. The course is designed to provide the students with the basic quantitative techniques needed to undertake applied research projects. It also provides the base for more advanced optional courses in econometrics.

Course Learning Outcomes

Students will learn to estimate linear models using ordinary least squares and make inferences about population parameters. They will also understand the biases created through mis-specified models, such as those that occur when variables are omitted.

Unit 1

Nature and scope of econometrics

Unit 2

Simple linear regression model: Two variable case Ordinary least squares estimation of a linear model; properties of estimators; goodness of fit; testing of hypotheses; scaling and units of measurement; confidence intervals; the GaussMarkov theorem; forecasting and prediction

Unit 3

Multiple linear regression model Extension of the single explanatory variable case to a multivariate setting; introducing non-linearities through functions of

explanatory variables

Unit 4

Violations of classical assumptions: Consequences, detection and remedies
Multicollinearity; heteroscedasticity; serial correlation

Unit 5

Specification Analysis Omission of a relevant variable; inclusion of irrelevant variable; specification tests

References

1. Dougherty, C. (2011). Introduction to econometrics, 4th ed. Oxford University Press.
2. Gujarati, D. (2014). Econometrics by example, 2nd ed. Palgrave Macmillan.
3. Gujarati, D., Porter, D. (2010). Essentials of econometrics, 4th ed. McGrawHill.
4. Kmenta, J. (2008). Elements of econometrics. Khosla Publishing House.
5. Maddala, G., Lahiri, K. (2009). Introduction to econometrics, 4th ed. Wiley.
6. Wooldridge, J. (2014). Introduction to econometrics: A modern approach, 5th ed. Cengage Learning.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

Regression, least squares, linear models

Paper - GE-4 (A): INSURANCE AND RISK MANAGEMENT OR PROJECT MANAGEMENT MANAGEMENT AND TECHNIQUES

*Please refer to Page No. 134 for details of Syllabus

Paper GE-4(B): TEXT AND PERFORMANCE: WESTERN PERFORMANCE THEORIES AND PRACTICES

*Please refer to Page No. 156 see details of following papers

Paper - GE-4(C): ELEMENTS OF ANALYSIS

*Please refer to Page No. 135 for details of Elements of Analysis

Paper - GE-4(D): हिंदी का वैश्विक परिदृश्य

*Please refer to Page No. 135 for details of हिंदी का वैश्विक [परिदृश्य](#)

Paper - GE-4(E): GANDHI AND CONTEMPORARY WORLD.

*Please refer to Page No. 136 for details of Feminism: Theory and Practics

Paper - GE-4(F): Fitness and Exercise Management

*Please refer to Page No. 136 for details of Feminism: Theory and Practics

PAPER-: SEC-2: RESEARCH METHODOLOGY

Course Objective

The course begins with the formulation of a research problem and covers the issues concerning the generation of primary sample data. In this regard the designing of a questionnaire, the methods of design of a sample and its size, the modes of data collection from direct interview to online surveys, the appreciation of possible sources of errors, and the cleaning of data forms the bulk of the classroom instruction.

Course Learning Outcomes

The course imparts skills to undertake data based research. The student enrolling in this course would develop competency in executing sample surveys and would have reasonable exposure to a variety of secondary data sources

Unit 1

Data types and sources: Qualitative and quantity data, measurement and scales; secondary sources of data and institutions

Unit 2

Sample questionnaires: Measurement and scales; questionnaires

Unit 3

Sample type and size: Simple random sampling; cluster sampling; stratified sampling and its complications; Determining an appropriate size

Unit 4

Errors in surveys: Misunderstanding of questions and answers; problem of nonresponse

Unit 5

Processing of survey data: Cleaning of data and its coding

Unit 6

Ethics and scientific integrity: Standards of conduct, privacy in data

References

1. Bethlehem, J. (2009). Applied survey methods: A statistical perspective. Wiley.
2. Cochran, W. (2008). Sampling techniques, 3rd ed. Wiley.
3. Cooper, D., Schindler, P., Sharma, J. (2012). Business research methods, 12th ed. McGraw-Hill.
4. Flick, U. (2012). Introducing research methodology: A beginner's guide to doing a research project. Sage Publications.
5. Groves, R., Fowler, F., Couper, M., Lepkowski, J., Singer, E., Tourangeau, R. (2009). Survey Methodology. Wiley.
6. Kumar, R. (2014). Research methodology y: A step by step guide for beginners, 4th ed. Sage Publications.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

Data, sampling, surveys

Paper - : SEC-3: CONTEMPORARY ECONOMIC ISSUES

Course Objective

The course seeks to familiarize students with basic concepts related to the Economic Survey and Union Budget. It aims to equip students with sufficient knowledge and skills to analyse these documents.

Course Learning Outcomes

Students will have the capability to understand government policies and will in general be informed participants in economic decision making.

Unit 1 Concepts

- Fiscal policy, areas of government spending in India
- Capital and revenue expenditure, plan and non-plan expenditures
- Deficits (fiscal, primary, revenue), impact of fiscal deficits on the economy
- Capital receipts, revenue receipts, tax and non-tax revenue, direct and indirect taxes, need for rationalisation of tax structure, Goods and Services Tax (GST)
- Actual, revised and budget estimates
- Zero-base budgeting
- Gender budgeting
- Fiscal devolution and centre-state financial relations

Unit 2 The economic survey

- Analysis of current and past policy emphasis

Unit 3 The union budget

- Need for the budget, understanding the process of budget making in India
- Analysis of fiscal and revenue deficits
 - Analysis of sources of revenue and expected growth in revenue, tax simplification, improvement in administration, expansion of tax net and other measures to improve revenue receipts

Analysis of expenditure pattern and expected growth in expenditure, thrust areas of budget, sectors that have received higher/lower shares of expenditure, the reasons and consequences thereof, steps proposed to ensure effective spending

References

Given the nature of the course, the readings will be updated every year.

1. Centre for Budget and Governance Accountability. Recent reports.
2. Chakraborty, P. (2015). Intergovernmental fiscal transfers in India: Emerging trends and realities. In P. Patnaik (ed.): Macroeconomics. Oxford University Press.
3. Dasgupta, D., De, S. (2012). Fiscal deficit. In The new Oxford companion to economics in India. Oxford University Press.

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4. Kapila, U. (2016). Fiscal and budgetary developments in Indian economy since independence. Academic Foundation.
 5. Ministry of Finance. Economic and social classification of the budget.
 6. Ministry of Finance. Economic survey (latest).
 7. Ministry of Finance. Finance Commission report (latest).
 8. Ministry of Finance. Union Budget.
 9. Mukherjee, P. (2012). Budget making. In K. Basu, A. Maertens (eds.): The new Oxford companion to economics in India. Oxford University Press.
 10. Mukherjee, S. (2015). Present state of goods and services tax (GST) reform in India. Working Paper No. 15 54. National Institute of Public Finance and Policy.
 11. Reddy, Y. (2015). Continuity, change and the way forward: The fourteenth finance commission. Economic and Political Weekly, 50(21), 27- 36.
 12. Spiegel, M. (2003). Theory and problems of probability and statistics. Chapter 19. McGraw-Hill.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

Union budget, economic survey, government policy

Semester - V

Paper --: ECONOMICS CORE COURSE 11: INDIAN ECONOMY-I

Course Description

Using appropriate analytical frameworks, this course reviews major trends in economic indicators and policy debates in India in the post-Independence period, with particular emphasis on paradigm shifts and turning points. Given the rapid changes taking place in India, the reading list will have to be updated annually.

Course Outline

1. Economic Development since Independence

Major features of the economy at independence; growth and development under different policy regimes—goals, constraints, institutions and policy framework; an assessment of performance—sustainability and regional contrasts; structural change, savings and investment.

2. Population and Human Development

Demographic trends and issues; education; health and malnutrition.

3. Growth and Distribution

Trends and policies in poverty; inequality and unemployment.

4. International Comparisons

Readings:

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1. Pulapre Balakrishnan, The Recovery of India: Economic Growth in the Nehru Era, Economic and Political Weekly, November, 2007.
 2. Arvind Subramanian, Growth Experience in K Basu and A Maertens, The New Oxford Companion to Economics, Oxford University Press, Delhi, 2012.
 3. Rakesh Mohan, Pressing the Indian Growth Accelerator: Policy Imperatives, IMF papers, 2014.
 4. Jagdish Bhagwati and Arvind Panagariya, India's Tryst with Destiny, Collins Business, Noida, pp. 4-5, 32-38, 2012.
 5. Jean Dreze and Amartya Sen, India: An Uncertain Glory, Allen Lane, ch 2, 3 (pp. 72-80), 2013.
 6. David Bloom, Population Dynamics in India and Implications for Economic Growth , PGDA, Harvard School of Public Health Working Paper 65 [excluding section 2 (review of technical literature) but including section 2.1 (Comparing China and India)], 2011.
 7. Rama Baruet al., Inequities in Access to Health Services in India: Caste, Class and Region, Economic and Political Weekly, September 18, 2010.
 8. Vijay Joshi, India's Long Road: The Search for Prosperity, Allen Lane, Gurgaon, Ch 2, 9, 2016.
 9. Jean Dreze, 'Food and Nutrition' in Basu, K and A. Maertens (ed), The New Oxford Companion to Economics in India, OUP, 2012.
 10. J V Meenakshi, Under nutrition' in Basu, K and A. Maertens (ed), The New Oxford Companion to Economics in India, OUP, 2012.
 11. Gaurav Datt and M Ravallion, Shining for the Poor Too? Economic and Political Weekly, February 13, 2010 (econometric discussion of biases in elasticity estimates on p.58 to be de-emphasized).
 12. Executive Summary, Report of the Expert Group to Review the Methodology for Measurement of Poverty (Rangarajan Committee report), GOI, 2014, pp. 1-5.
 13. Ajit Mishra and Indranil Dutta, "Inequality" in Basu, K and A. Maertens (ed), The New Oxford Companion to Economics in India, OUP, 2012.
 14. J. J. Thomas, India's Labour Market during the 2000s: Surveying the Changes, EPW December 22, 2010.
 15. Pranab Bardhan, Awakening Giants, Feet of Clay: Assessing the Economic Rise of China and India, OUP, Ch. 2, 2010.

Paper --: ECONOMICS CORE COURSE 12: DEVELOPMENT ECONOMICS -I

Course Description

This is the first part of a two-part course on economic development. The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models. The axiomatic basis for inequality measurement is used to develop measures of inequality and connections between growth and inequality are explored. The course ends by linking political institutions to growth and inequality by discussing the

role of the state in economic development and the informational and incentive problems that affect state governance.

Course Outline

1. Conceptions of Development

Alternative measures of development, documenting the international variation in these measures, comparing development trajectories across nations and within them.

2. Growth Models and Empirics

The Harrod-Domar model, the Solow model and its variants, endogenous growth models and evidence on the determinants of growth.

3. Poverty and Inequality: Definitions, Measures and Mechanisms

Inequality axioms; a comparison of commonly used inequality measures; connections between inequality and development; poverty measurement; characteristics of the poor; mechanisms that generate poverty traps and path dependence of growth processes.

4. Political Institutions and the Functioning of the State

The determinants of democracy; alternative institutional trajectories and their relationship with economic performance; within-country differences in the functioning of state institutions; state ownership and regulation; government failures and corruption.

Readings

1. Debraj Ray, Development Economics, Oxford University Press, 2009.
2. Partha Dasgupta, Economics, A Very Short Introduction, Oxford University Press, 2007.
3. Abhijit Banerjee, Roland Benabou and Dilip Mookerjee, Understanding Poverty, Oxford University Press, 2006.
4. Kaushik Basu, The Oxford Companion to Economics in India, OUP, 2007.
5. Amartya Sen, Development as Freedom, OUP, 2000.
6. Daron Acemoglu and James Robinson, Economic Origins of Dictatorship and Democracy, Cambridge University Press, 2006.
7. Robert Putnam, Making Democracy Work: Civic Traditions in Modern Italy, Princeton University Press, 1994

Paper - :DSE COURSE-1 (From List of Group-I)

Ref. to DU website, link under

<http://www.du.ac.in/du/index.php?page=cbs-syllabus>

Paper -: DSE COURSE--2 (From List of Group-I)

GROUP I	
i. Economics of Health and Education	v. Political Economy-1
ii. Applied Econometrics	vi. International Economics
iii. Economics History of India (1857-1947)	vii. Public Economic

**DISCIPLINE SPECIFIC ELECTIVE (DSE) PAPERS: ECONOMICS
GROUP-I**

(i) ECONOMICS OF HEALTH AND EDUCATION

Course Description

The importance of education and health in improving well-being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states, which include among other goals, achieving universal primary education, reducing child mortality, improving maternal health and combating diseases. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors. It also gives an overview of health and education in India.

Course Outline

1. Role of Health and Education in Human Development

Importance in poverty alleviation; health and education outcomes and their relationship with macroeconomic performance.

2. Microeconomic Foundations of Health Economics

Demand for health; uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention; equity and inequality.

3. Evaluation of Health Programs

Costing, cost effectiveness and cost-benefit analysis; burden of disease.

4. Health Sector in India: An Overview

Health outcomes; health systems; health financing.

5. Education: Investment in Human Capital

Rate of return to education: private and social; quality of education; signaling or human capital; theories of discrimination; gender and caste discrimination in India.

6. Education Sector in India: An Overview

Literacy rates, school participation, school quality measures.

Readings:

1. William, Jack, Principles of Health Economics for Developing Countries, World 24 Bank Institute Development Studies, 1999.
2. World Development Report, Investing in Health, The World Bank, 1993.
3. Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics: Theory and Public Policy, Addison Wesley, 2005.

(ii) APPLIED ECONOMETRICS

Course Description

The aim of this course is to provide a foundation in applied econometric analysis and develop skills required for empirical research in economics. Topics include specification and selection of regression models, dynamic econometric models, advanced methods in regression analysis and panel data models. Since the emphasis is on application of methods, this course requires understanding of econometric software and computing skills.

Course Outline

- 1. Stages in Empirical Econometric Research**
- 2. Regression Diagnostics and Specification**
Misspecification; functional forms; model selection.
- 3. Advanced Topics in Regression Analysis**
Selected Topics:
Dynamic Econometric Models: distributed lag models; autoregressive models; instrumental variable estimation; simultaneous equation models.
- 4. Panel Data Models**
Methods of estimation; fixed effects model; random effects model.
- 5. Introduction to Econometric Software Package**
GRET; E-VIEWS; STATA (any one).

Readings:

1. Jeffrey M. Wooldridge, *Econometrics*, CENGAGE learning, India Edition, 2009.
2. Dimitrios Asteriou and Stephen Hall, *Applied Econometrics: A Modern Approach*, Palgrave Macmillan, 2007.
3. Damodar Gujarati, *Econometrics by Example*, Palgrave Macmillan, 2011.

(iii) ECONOMIC HISTORY OF INDIA (1857-1947)

Course Description

This course analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the place of the Indian economy in the wider colonial context, and the mechanisms that linked economic development in India to the compulsions of colonial rule. This course links directly to the course on India's economic development after independence in 1947.

Course Outline

- 1. Introduction: Colonial India:** Background and Introduction
Overview of colonial economy.
- 2. Macro Trends**
National Income; population; occupational structure.
- 3. Agriculture**
Agrarian structure and land relations; agricultural markets and institutions – credit, commerce and technology; trends in performance and productivity; famines.

4. Railways and Industry

Railways; the de-industrialisation debate; evolution of entrepreneurial and industrial structure; nature of industrialisation in the interwar period; constraints to industrial breakthrough; labor relations.

5. Economy and State in the Imperial Context

The imperial priorities and the Indian economy; drain of wealth; international trade, capital flows and the colonial economy – changes and continuities; government and fiscal policy.

Readings:

1. Lakshmi Subramanian, "History of India 1707-1857", Orient Blackswan, 2010, Chapter 4.
2. Sumit Guha, 1991, Mortality decline in early 20th century India', Indian Economic and Social History Review (IESHR), pp 371-74 and 385-87.
3. Tirthankar Roy, The Economic History of India 1857-1947, Oxford University Press, 3rd edition, 2011.
4. J. Krishnamurty, Occupational Structure, Dharma Kumar (editor), The Cambridge Economic History of India, Vol. II, (henceforth referred to as CEHI), 2005, Chapter 6.
5. Irfan Habib, Indian Economy 1858-1914, A People's History of India, Vol.28, Tulika, 2006. 27
6. Ira Klein, 1984, —When Rains Fail: Famine relief and mortality in British India, IESHR 21.
7. Jean Dreze, Famine Prevention in India in Dreze and Sen (eds.) Political Economy of Hunger, WIDER Studies in Development Economics, 1990, pp.13-35.
8. John Hurd, Railways, CEHI, Chapter 8, pp.737-761.
9. Rajat Ray (ed.), Entrepreneurship and Industry in India, 1994.
10. AK Bagchi,—Deindustrialization in India in the nineteenth century: Some theoretical implications, Journal of Development Studies, 1976.
11. MD Morris, Emergence of an Industrial Labour Force in India, OUP 1965, Chapter 11, Summary and Conclusions.
12. K.N. Chaudhuri, Foreign Trade and Balance of Payments, CEHI, Chapter 10.
13. B.R. Tomlison, 1975, India and the British Empire 1880-1935, IESHR, Vol.XII.
14. Dharma Kumar, The Fiscal System, CEHI, Chapter 12.
15. Basudev Chatterjee, Trade, Tariffs and Empire, OUP 1992, Epilogue.
16. David Washbrook, The Indian Economy and the British Empire in Douglas M Peers and Nandini Gooptu (ed.) India and the British Empire, OUP, Delhi, Ch. 3, pp. 44-74, 2012.
17. Gopalan Balachandran, , Colonial India and the World Economy. c. 1850-1940, in L. Chaudhary, B. Gupta, T Roy and A. V. Swami (eds.), A New Economic History of Colonial India, Routledge, London and New York, Ch.6, pp. 84-99, 2016.

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18. K N Chaudhuri, Foreign Trade and Balance of Payments, in Dharma Kumar (ed.) Cambridge Economic History of India 1754- c.1970, vol. 2, Orient Longman, Delhi, Chapter 10, pp. 826-865, 869- 877, 1982.
 19. L. C. Jain, Indigenous Credit Instruments and Systems in M. M. Kudaisya (ed.) The Oxford Anthology of Business History, 2011, OUP, Delhi, Ch. 3, pp. 52-61. (Note: This reading may be used as a background reading for the section "The Bazaar" in Rajat Ray's Introduction (previous reading) for a better understanding of the Hundi-system), 1929.
 20. P. Parthasarathy, Why Europe Grew Rich and Asia did not: Global Economic Divergence, 1600-1850, CUP, Cambridge, Ch 2, pp. 21-27, 46-50, Ch8, pp 224-226, 239-244, 251-262, 2011.

Background reading for students:

Irfan Habib, Indian Economy 1858-1914 (A People's History of India), Vol.28, Tulika 2006.

Daniel Thorner, Agrarian Prospect in India, 1977.

L. Visaria and P. Visaria, Population. CEHI, Chapter 5. 28

(iv) TOPICS IN MICROECONOMICS - I

Course Description

Game theory is an integral part of modern economic analysis. Topics in Microeconomics- I introduces the students to elementary game theory under complete information. This course introduces the basic concepts of game theory in a way that allows students to use them in solving simple problems. The course will deal with the solution concepts for normal form and extensive form games along with a variety of economic applications.

Course Outline

1. Normal form games

The normal form; dominant and dominated strategies; dominance solvability; mixed strategies; Nash equilibrium; symmetric single population games; applications.

2. Extensive form games with perfect information

The game tree; strategies; subgame perfection; backward induction in finite games; commitment; bargaining; other applications.

Reading:

1. Martin J. Osborne, *An Introduction to Game Theory*, Oxford University Press, New Delhi, 2004.

(v) POLITICAL ECONOMY-I

Course Description

This course explores changes in the organisation of production, labour market institutions and corporate structure. It goes on to study the consequences of

globalization, especially of financial flows, for the role of the state, economic performance, gender issues, environment, human welfare and development.

Course Outline

1. Introduction and Historical Overview

Perspective on political economy with a historical overview: capitalist development in the pre-second world war period, the 'golden age' and later.

2. Changing Dynamics of Capitalist Production, Organisational Form and Labour Process

Fordist and post-fordist production; changing dynamics of organisation of production, markets and labour process; the changing nature of job security and labour rights.

3. The State in the Era of Globalisation: Welfare, Development and Autonomy

Globalisation and the limits of the welfare state, development and state autonomy.

4. The Changing Role of Finance

The changing role of finance in capital accumulation and corporate structure; finance and globalisation - financialisation, financial liberalisation and financial crisis.

5. The Social Dimension

Globalisation and uneven development – growth, inequality and exclusion.

7. New Perspectives

Gender in work, accumulation and globalisation; issues in environment and sustainability; alternatives ahead

Readings:

1. Michel Beaud, *A History of Capitalism, 1500-2000*, trans. by Tom Dickman and Anny Lefebvre, New York: Monthly Review Press, 2001.
2. Ash Amin (ed.), *Post-Fordism: A Reader*, Blackwell, 1994.
3. Fran Tonkiss, *Contemporary Economic Sociology: Globalisation, Production, Inequality*, Chapter 4 (Fordism and After), Routledge India 2008 reprint, 2006.
4. S. Hymer, "The Multinational Corporation and the Law of Uneven Development", in H. Radice (ed.) *International Firms and Modern Imperialism*, Penguin Books, 1975.
5. G. Gereffi, J. Humphrey and T. Sturgeon, 2005, "The Governance of Global Value Chains", *Review of International Political Economy*, Volume 12: 78-104.
6. Narasimha Reddy, "Economic Globalisation, Past and Present - The Challenges to Labour", in Jomo K.S. & Khoo Khay Jin (ed.) *Globalization and*

Its Discontents, Revisited, Sepsis -Tulika Books, 2003.

7. David Harvey, A Brief History of Neoliberalism, OUP, 2005.
8. Andrew Glyn, –Challenges to Capital||, in Capitalism Unleashed: Finance, Globalization and Welfare, Oxford: Oxford University Press, (Ch. One, pp. 1-24), 2006.
9. G Dumenil and D Levy, The Crisis of Neoliberalism, Harvard University Press, 2011.
10. K.S. Jomo (ed.), The Long Twentieth Century: The Great Divergence: Hegemony, Uneven Development and Global Inequality, OUP, 2006.
11. Gary Dymksy, 2005, –Financial Globalization, Social Exclusion and Financial Crisis||, International Review of Applied Economics, Vol. 19: 439-457.
12. E. Stockhammer, –Financialization and the Global Economy||, in G. Epstein and M.H. Wolfson (ed.) The Political Economy of Financial Crises, Oxford University Press, 2010. [Also in Working Paper Series, No. 240, Political Economy Research Institute, University of Massachusetts Amherst]
13. J.P. Smith and M.P. Ward, 1989, –Women in the Labour Market and in the Family||, Journal of Economic Perspectives, Volume 3: 9-23.
14. Marilyn Power, 2004, –Social Provisioning as a Starting Point for Feminist Economics||, Feminist Economics, Volume 10: 3-19.
15. John Bellamy Foster, Ecology against Capitalism, Monthly Review Press, 2002

(vi) MONEY AND FINANCIAL MARKETS

Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Outline

1. Money

Concept, functions, measurement; theories of money supply determination.

2. Financial Institutions, Markets, Instruments and Financial Innovations

a. Role of financial markets and institutions; problem of asymmetric information -

adverse selection and moral hazard; financial crises.

b. Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations.

3. Interest Rates

Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.

4. Banking System

a. Balance sheet and portfolio management.

b. Indian banking system: Changing role and structure; banking sector reforms.

5. Central Banking and Monetary Policy

Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India

Readings

1. F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009.

2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009.

3. M. R. Baye and D. W. Jansen, Money, Banking and Financial Markets, AITBS, 1996.

4. Rakesh Mohan, Growth with Financial Stability- Central Banking in an Emerging Market, Oxford University Press, 2011.

5. L. M. Bhole and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011.

6. M. Y. Khan, Indian Financial System, Tata McGraw Hill, 7th edition, 2011.

7. N. Jadhav, Monetary Policy, Financial Stability and Central Banking in India, Macmillan, 2006.

8. R.B.I. – Report of the Working Group: Money Supply Analytics and Methodology of Compilation, 1998.

9. R.B.I. Bulletin, Annual Report and Report on Currency and Finance (latest).

(vii) PUBLIC ECONOMICS

Course Description

Public economics is the study of government policy from the points of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization.

Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities. The paper is divided into two sections, one dealing with the theory of public economics and the other with the Indian public finances.

Course Outline

1. Public Economic Theory

- a. Fiscal functions: an overview.
- b. Public Goods: definition, models of efficient allocation, pure and impure public goods, free riding.
- c. Externalities: the problem and its solutions, taxes versus regulation, property rights, the Coase theorem.
- d. Taxation: its economic effects; dead weight loss and distortion, efficiency and equity considerations, tax incidence, optimal taxation.

2. Indian Public Finances

- a. Tax System: structure and reforms
- b. Budget, deficits and public debt
- c. Fiscal federalism in India

Readings:

1. J. Hindriks, G. Myles: *Intermediate Public Economics*, MIT Press, 2006.
2. H. Rosen, T. Gayer: *Public Finance*, 9th ed., McGraw-Hill/Irwin, 2009.
3. Joseph E. Stiglitz, *Economics of the Public Sector*, W.W. Norton & Company, 3rd edition, 2000.
4. R.A. Musgrave and P.B. Musgrave, *Public Finance in Theory & Practice*, McGraw Hill Publications, 5th edition, 1989.
5. John Cullis and Philip Jones, *Public Finance and Public Choice*, Oxford University Press, 1st edition, 1998.
6. Harvey Rosen, *Public Finance*, McGraw Hill Publications, 7th edition, 2005.
7. Mahesh Purohit, *Value Added Tax: Experiences of India and Other Countries*, 2007.
8. Kaushik Basu and A. Maertens (ed.), *The New Oxford Companion to Economics in India*, Oxford University Press, 2013.
9. M.M. Sury, *Government Budgeting in India*, 1990.
10. M. Govinda Rao, *Changing Contours of Federal Fiscal Arrangements in India*, Amaresh Bagchi (ed), *Readings in Public Finance*, Oxford University Press, 2005.
11. Paul Samuelson, 1955, —Diagrammatic Exposition of a theory of Public Expenditure, *Review of Economics and Statistics*, Volume 37.
12. Shankar Acharya, 2005, —Thirty Years of Tax Reform in India, *Economic and Political Weekly*, May 14-20.
13. Rangarajan and D.K. Srivastava, 2005, —Fiscal Deficit and Government Debt: Implications for Growth and Stabilization”, *Economic and Political Weekly*, July 2-8.

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14. M. GovindaRao, 2011, —Goods and Services Tax: A Gorilla, Chimpanzee or a Genius like Primates?, Economic and Political Weekly, February 12-18.
 15. Report of the 13th Finance Commission, 2010-15.
 16. Economic Survey, Government of India (Latest).
 17. State Finances: A Study of Budgets, Reserve Bank of India (Latest).

Semester - VI

Paper :- ECONOMICS CORE COURSE 13: INDIAN ECONOMY-II

Course Description

This course examines sector-specific policies and their impact in shaping trends in key economic indicators in India. It highlights major policy debates and evaluates the Indian empirical evidence. Given the rapid changes taking place in the country, the reading list will have to be updated annually.

Course Outline

1. Macroeconomic Policies and Their Impact

Fiscal Policy; trade and investment policy; financial and monetary policies; labour regulation.

2. Policies and Performance in Agriculture

Growth; productivity; agrarian structure and technology; capital formation; trade; pricing and procurement.

3. Policies and Performance in Industry

Growth; productivity; diversification; small scale industries; public sector; competition policy; foreign investment.

4. Trends and Performance in Services

Readings:

1. Shankar Acharya, 2010, —Macroeconomic Performance and Policies 2000-8,|| in Shankar Acharya and Rakesh Mohan, editors, India's Economy: Performances and Challenges: Development and Participation, Oxford University Press.

2. Rakesh Mohan, 2010, —India's Financial Sector and Monetary Policy Reforms,|| in Shankar Acharya and Rakesh Mohan, editors, India's Economy: Performances and Challenges: Development and Participation, Oxford University Press.

3. Pulapre Balakrishnan, Ramesh Golait and Pankaj Kumar, 2008, —Agricultural Growth in India Since 1991, RBI DEAP Study no. 27.

4. B.N. Goldar and S.C. Aggarwal, 2005, —Trade Liberalisation and Price-Cost Margin in Indian Industries, The Developing Economics, September.

5. P. Goldberg, A. Khandelwal, N. Pavcnik and P. Topalova, 2009, —Trade Liberalisation and New Imported Inputs, American Economic Review, Papers and Proceedings, May.

6. Kunal Sen, 2010, —Trade, Foreign Direct Investment and Industrial Transformation in India, in Premachandra Athukorala, editor, The Rise of Asia,

Routledge.

7. A. Ahsan, C. Pages and T. Roy, 2008, —Legislation, Enforcement and Adjudication in Indian Labour Markets: Origins, Consequences and the Way Forward, in D. Mazumdar and S. Sarkar, editors, Globalization, Labour Markets and Inequality in India, Routledge.

8. Dipak Mazumdar and Sandeep Sarkar, 2009, —The Employment Problem in India and the Phenomenon of the _Missing Middle||, Indian Journal of Labour Economics.

9. J. Dennis Rajakumar, 2011, —Size and Growth of Private Corporate Sector in Indian Manufacturing, Economic and Political Weekly, April.

10. Ramesh Chand, 2010, —Understanding the Nature and Causes of Food Inflation,|| Economic and Political Weekly, February.

11. Bishwanath Goldar, 2011, —Organised Manufacturing Employment: Continuing the Debate||, Economic and Political Weekly, April.

12. Kaushik Basu and A. Maertens, eds, 2013, The New Oxford Companion to Economics in India, Oxford University Press.

Paper -: ECONOMICS CORE COURSE 14: DEVELOPMENT ECONOMICS-II

Course Description

This is the second module of the economic development sequence. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The course ends with reflections on the role of globalization and increase in international dependence on the process of development.

Course Outline

1. Demography and Development

Demographic concepts; birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households; connections between income, mortality, fertility choices and human capital accumulation; migration.

2. Land, Labor and Credit Markets

The distribution of land ownership; land reform and its effects on productivity; contractual relationships between tenants and landlords; land acquisition; nutrition and labor productivity; informational problems and credit contracts; microfinance; inter-linkages between rural factor markets.

3. Individuals, Communities and Collective Outcomes

Individual behavior in social environments, multiple social equilibria; governance in organizations and in communities; individual responses to organizational inefficiency.

4. Environment and Sustainable Development

Defining sustainability for renewable resources a brief history of environmental change; common-pool resources; environmental externalities and state regulation of the environment; economic activity and climate change.

5. Globalization

Globalization in historical perspective; the economics and politics of multilateral agreements; trade, production patterns and world inequality; financial instability in a globalized world.

Readings

1. Debraj Ray, Development Economics, Oxford University Press, 2009.
2. Partha Dasgupta, Economics, A Very Short Introduction, Oxford University Press, 2007. 22
3. Abhijit Banerjee, Roland Benabou and Dilip Mookerjee, Understanding Poverty, Oxford University Press, 2006.
4. Thomas Schelling, Micromotives and Macrobehavior, W. W. Norton, 1978.
5. Albert O. Hirschman, Exit, Voice and Loyalty: Responses to Decline in Firms, Organizations and States, Harvard University Press, 1970.
6. Raghuram Rajan, Fault Lines: How Hidden Fractures Still Threaten the World Economy, 2010.
7. Elinor Ostrom, Governing the Commons: The Evolution of Institutions for Collective Action, Cambridge University Press, 1990.
8. Dani Rodrik, The Globalization Paradox: Why Global Markets, States and Democracy Can't Coexist, Oxford University Press, 2011.
9. Michael D. Bordo, Alan M. Taylor and Jeffrey G. Williamson (ed.), Globalization in Historical Perspective, University of Chicago Press, 2003.

Paper: DSE COURSE--3 (From List of Group-II)

Ref. to DU website, link under

<http://www.du.ac.in/du/index.php?page=cbs-syllabus>

Paper : DSE COURSE--4 (From List of Group-II)

GROUP II	
a. Political Economy-II	e. Environmental Economics
b. Comparative Economic Development (1850-1950)	f. Money and Financial Markets
c. Financial Economics	g. Dissertation Project
d. Topics in Microeconomics-II	

DISCIPLINE SPECIFIC ELECTIVE (DSE) PAPERS: ECONOMICS GROUP-II

POLITICAL ECONOMY-II

Course Description

Employing perspectives from alternative schools of thought, this course explores the development of the structure and

institutions of capitalist economies and their relationship to social and political forces. Students are expected to read some classic texts as well as more recent commentaries.

Course Outline

1. Analysing Social Change in Historical Perspective The method of historical materialism; the transition from feudalism to capitalism; capitalism as a historical process – alternative perspectives.

2. Capitalism as an Evolving Economic System Basic features; accumulation and crisis; the modern corporation; monopoly capitalism— alternative perspectives.

3. The State in Capitalism The state and the economy – contestation and mutual interdependence; the state as an arena of conflict; imperialism – the basic foundations.

Readings:

1. J. Gurley, "The Materialist Conception of History", Ch.2.1 in R. Edwards, M. Reich and T. Weisskopf (ed.), *The Capitalist System*, 2nd edition, 1978.

2. O. Lange, *Political Economy*, vol. 1, 1963, Chapters 1 and 2.

3. E.K. Hunt, *History of Economic Thought*, M.E. Sharpe, Indian edn, Shilpi Publications, 2004.

4. Irfan Habib, 1995, "Capitalism in History", *Social Scientist*, Vol. 23: 15-31.

5. R.L. Heilbroner, "Capitalism", in *The New Palgrave Dictionary of Modern Economics*, Macmillan, 1987. Also reprinted as Chapter 2 in *Behind the Veil of Economics* by R.L. Heilbroner, W.W. Norton, 1988.

6. P. Sweezy, *The Theory of Capitalist Development*, Monthly Review Press, 1942, chapters 2, 4, 5, 6, 8 and 10.

7. Anwar Shaikh, Entries on "Economic Crises" and "Falling Rate of Profit" in T. Bottomore et al (eds.), *The Dictionary of Marxist Thought*, OUP, Indian edition, Maya Blackwell, 2000.

8. Vamsi Vakulabharanam, 2009, —*The Recent Crisis in Global Capitalism: Towards a Marxian Understanding*||, *Economic and Political Weekly*, March 28, Vol. 44: 144-150.

9. J. Schumpeter, *Capitalism, Socialism and Democracy*, George Allen and Unwin 1976, Chapters 6, 7 and 8.

10. P. Baran (1957), *The Political Economy of Growth*, Chapter 3, Pelican edition, 1973.

11. R. Heilbroner, —*The Role of the State*||, Ch.4 in *The Nature and Logic of Capitalism*, 1985.

12. M. Kalecki, —*Political Aspects of Full Employment*||, in E.K. Hunt and J.G. Schwarz (eds.), *A Critique of Economic Theory*, Penguin Books, 1972.

13. Amit Bhaduri, —Nationalism and Economic Policy in the Era of Globalization||, Ch. 2 in Deepak Nayyar (ed), *Governing Globalization: Issues and Institutions*, OUP, 2002 [also WIDER Working Paper no.188, WIDER website (2000)].

14. Prabhat Patnaik, —“Lenin’s Theory of Imperialism Today”, in K.S. Jomo (ed.) *The Long Twentieth Century: The Great Divergence: Hegemony, Uneven Development and Global Inequality*, OUP.

15. James O’Connor, "The Meaning of Economic Imperialism," in Robert Rhodes, ed., *Imperialism and Underdevelopment*, New York: Monthly Review Press, 1970, pages 101 to 111.

(b) COMPARATIVE ECONOMIC DEVELOPMENT (1850-1950)

Course Description

This course investigates selected issues in comparative historical perspective over the 19th century and the first few decades of the 20th century. The course focuses on a set of countries, which followed clearly diverse trajectories and patterns of growth to achieve their industrial transition and compares the outcomes of these diverse trajectories on sectoral change, inter-sectoral relations, labour processes and industrial relations and also compares the role of the state in facilitating the respective trajectories.

Course Outline

- 1. Introduction and Overview of the countries selected for case studies: Britain, Japan, USSR.**
- 2. Agriculture**
Agrarian surplus and the role of the peasantry in economic development.
- 4. Industry**
The industrial revolution in Britain; Industrialisation in late industrialisers.
- 5. The Factory System and Making of the Industrial Working Class**
Division of labour, structure of industrial authority, organisation of work and industrial production, relationship between workers and managers.
- 6. The Role of the State in Industrial and Developmental Transition.**

Readings:

1. E.J. Hobsbawm, *World of Labour: Further studies in the history of labour*, London Weidenfeld& Nicholson, 1984.
2. E.J. Hobsbawm, *Industry and Empire: An Economic History of Britain since 1750*, Weidenfeld& Nicholson, 1968.
3. Peter Mathias, *The First Industrial Nation, An Economic History of Britain, 1700-1914*. 2nd edition Methuen, 1983.
4. T. Nakamura, *Economic Growth in Pre-War Japan*, Tr. by Robert A Feldman, Yale University Press, 1983.
5. Okochi, Karsh and Levine, *Workers and Employees in Japan, The Japanese Employment Relations System*, University of Tokyo, 1965.

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6. Y. Hayami, *A Century of Agricultural Growth in Pre-War Japan: Its Relevance to Asian Development*, University of Minnesota Press, 1975.
 7. Chalmers Johnson, *MITI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975*, Stanford University Press, 1982.
 8. W.W. Lockwood, *Economic Development of Japan*, Expanded edition, Princeton University Press, 1966.
 9. Dobb M., *Soviet Economic Development Since 1917*, Universal Book Stall, New Delhi, 1995.
 10. Paul R. Gregory and Robert C. Stuart, *Soviet Economic Structure and Performance*, Harper & Row, 3rd edition, 1986.
 11. Timothy W. Guinnane, 2002, —Delegated Monitors, Large and Small: Germany's banking System, 1800 –1914||, *Journal of Economic Literature*, Volume XL: 73-124.
 12. Richard A. Easterlin, Davis and Parker, *American Economic Growth: An economist's History of the United States*, Harper & Row, 1972.
 13. Hughes and Cain, *American Economic History*, HarperCollins College Publishers, 4th edition, 1994.
 14. Davies, R.W., *Soviet Economic Development from Lenin to Khrushchev*, Chs. 7 and 8.
 15. Norman, E. H., *Japan's Emergence as a Modern State*, Ch. 2.
 16. Macpherson, W.J., *The Economic Development of Japan 1868-1941*.

Background readings for teachers:

1. Angus Maddison, *Dynamic Forces in Capitalist Development, A Long-Run Comparative View*, Oxford University Press, 1991.
2. P.K. O'Brien, 1986, —Do we have a Typology for the Study of European Industrialization in the XIXth Century? ||, *Journal of European Economic History*, XV 3:291-333.

(c) FINANCIAL ECONOMICS

Course Description

This course introduces students to the economics of finance. Some of the basic models used to benchmark valuation of assets and derivatives are studied in detail; these include the CAPM, and the Binomial Option Pricing models. The course ends with a brief introduction to corporate finance.

Course Outline

1. Investment Theory and Portfolio Analysis

a. Deterministic cash-flow streams

Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates.

b. Single-period random cash flows

Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem.

c. CAPM

The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.

2. Options and Derivatives

Introduction to derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes and the binomial tree model; risk-neutral valuation.

3. Corporate Finance

Patterns of corporate financing: common stock; debt; preferences; convertibles; Capital structure and the cost of capital; corporate debt and dividend policy; the ModiglianiMiller theorem

Readings:

1. David G. Luenberger, *Investment Science*, Oxford University Press, USA, 1997.
2. Hull, John C., *Options, Futures and Other Derivatives*, Pearson Education, 6th edition, 2005.
3. Thomas E. Copeland, J. Fred Weston and KuldeepShastri, *Financial Theory and Corporate Policy*, Prentice Hall, 4thedition, 2003.
4. Richard A. Brealey and Stewart C. Myers, *Principles of Corporate Finance*, McGraw Hill, 7thedition, 2002.
5. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, *Fundamentals of Corporate Finance*. McGraw-Hill, 7thedition, 2005.
6. Burton G. Malkiel, *A Random Walk Down Wall Street*, W.W. Norton &Company, 2003.
7. William Sharpe, Gordon Alexander and Jeffery Bailey, *Investments*, Prentice Hall of India, 6th edition, 2003.

(d) TOPICS IN MICROECONOMICS - II

Course Description

This course deals with repeated games and games with incomplete information. Ideas related to asymmetric information among the interacting economic agents

would be the main focus of this course. Students learn the concept of Bayesian and Perfect Bayesian equilibrium. The course ends with the application of game theory to analyse moral hazard, adverse selection and signalling problems.

Course Outline

1. Repeated Games.

Finitely repeated games and backward induction; infinitely repeated games; history dependent strategies; one-step deviation property; the repeated prisoners' dilemma; idea of folk theorem.

2. Simultaneous move games with incomplete information (Bayesian games).

Strategies; Bayesian Nash equilibrium; auctions; other applications.

3. Extensive form games with imperfect information.

Strategies; beliefs and sequential equilibrium; applications.

4. Evolutionary Games: Ideas of Evolutionary games, evolutionary stability; evolutionary stable strategy

Readings:

1. Martin J. Osborne, *An Introduction to Game Theory*, Oxford University Press, New Delhi, 2004.

(e) ENVIRONMENTAL ECONOMICS

Course Description

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems are also discussed.

Course Outline

1. Introduction

What is environmental economics; review of microeconomics and welfare economics.

2. The Theory of Externalities

Pareto optimality and market failure in the presence of externalities; property rights and the Coase theorem.

3. The Design and Implementation of Environmental Policy

Overview; Pigouvian taxes and effluent fees; tradable permits; choice between taxes and quotas under uncertainty; implementation of environmental policy.

4. International Environmental Problems

Trans-boundary environmental problems; economics of climate change; trade and environment.

5. Measuring the Benefits of Environmental Improvements

Non-Market values and measurement methods; risk assessment and perception.

6. Sustainable Development

Concepts; measurement.

Readings:

1. Charles Kolstad, *Intermediate Environmental Economics*, Oxford University Press, 2nd edition, 2010.
2. Robert N. Stavins (ed.), *Economics of the Environment: Selected Readings*, W.W.Norton, 5th edition, 2005.
3. Roger Perman, Yue Ma, James McGilvray and Michael Common, *Natural Resource and Environmental Economics*, Pearson Education/Addison Wesley, 3rd edition, 2003.
4. Maureen L. Cropper and Wallace E. Oates, 1992, –Environmental Economics: A Survey, || *Journal of Economic Literature*, Volume 30:675-740.
5. Three-year Action Agenda (NITI Aayog)
6. Economic Survey 2017-18
7. State of Environment Report: India, 2009.
8. Role of People on Environment and Forest: 2010-11

(f) MONEY AND FINANCIAL MARKETS

Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Outline

1. **Money**
Concept, functions, measurement; theories of money supply determination.
2. **Financial Institutions, Markets, Instruments and Financial Innovations**
 - a. Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises.
 - b. Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations.
3. **Interest Rates**
Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.
4. **Banking System**
 - a. Balance sheet and portfolio management.

b. Indian banking system: Changing role and structure; banking sector reforms.

5. Central Banking and Monetary Policy

Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.

Readings

1. F. S. Mishkin and S. G. Eakins, *Financial Markets and Institutions*, Pearson Education, 6thedition, 2009.
2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, *Foundations of Financial Markets and Institutions*, Pearson Education, 3rdedition, 2009.
3. M. R. Baye and D. W. Jansen, *Money, Banking and Financial Markets*, AITBS, 1996.
4. Rakesh Mohan, *Growth with Financial Stability- Central Banking in an Emerging Market*, Oxford University Press, 2011.
5. L. M. Bhole and J. Mahukud, *Financial Institutions and Markets*, Tata McGraw Hill, 5thedition, 2011.
6. M. Y. Khan, *Indian Financial System*, Tata McGraw Hill, 7thedition, 2011.
7. N. Jadhav, *Monetary Policy, Financial Stability and Central Banking in India*, Macmillan, 2006.
8. R.B.I. – *Report of the Working Group: Money Supply Analytics and Methodology of Compilation*, 1998.
9. R.B.I. Bulletin, Annual Report and Report on Currency and Finance (latest).
10. R. Sengupta and H. Vardhan; *Economic and Political Weekly*, 2017.

SYLLABUS

ENVIRONMENTAL STUDIES

Course Learning Outcomes

The course will empower the undergraduate students by helping them to:

- i. Gain in-depth knowledge on natural processes and resources that sustain life and govern economy.
- ii. Understand the consequences of human actions on the web of life, global economy, and quality of human life.
- iii. Develop critical thinking for shaping strategies (scientific, social, economic, administrative, and legal) for environmental protection, conservation of biodiversity, environmental equity, and sustainable development.
- iv. Acquire values and attitudes towards understanding complex environmental-economic-social challenges, and active participation in solving current environmental problems and preventing the future ones.
- v. Adopt sustainability as a practice in life, society, and industry.

Unit 1

Introduction to Environmental Studies (2 lectures)

- Multidisciplinary nature of environmental studies; components of environment: atmosphere, hydrosphere, lithosphere, and biosphere
- Scope and importance; Concept of sustainability and sustainable development; Brief history of environmentalism

Suggested Readings

1. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y., and Berg, L.R. (2015). Environment, 8th Edition. Wiley Publishing, USA. Chapter 1 (Pages: 1-17); Chapter 2 (Pages: 22-23); Chapter 3 (Pages: 40, 41); Chapter 4 (Pages: 64, 66).
2. Singh, J.S., Singh, S.P., and Gupta, S.R. (2017). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi. Chapter 1 (Page: 3-28).

Unit 2

Ecosystems (6 lectures)

- Definition and concept of Ecosystem
- Structure of ecosystem (biotic and abiotic components); Functions of Ecosystem: Physical (energy flow), Biological (food chains, food web, ecological succession), and

Biogeochemical (nutrient cycling) processes. Concepts of productivity, ecological pyramids and homeostasis

- Types of Ecosystems: Tundra, Forest, Grassland, Desert, Aquatic (ponds, streams, lakes, rivers, oceans, estuaries); importance and threats with relevant examples from India
- Ecosystem services (Provisioning, Regulating, Cultural, and Supporting); Ecosystem preservation and conservation strategies; Basics of Ecosystem restoration

Suggested Readings

1. Odum, E.P., Odum, H.T., and Andrews, J. (1971). *Fundamentals of Ecology*. Saunders, Philadelphia, USA. Chapter 1 (Pages: 1-16); Chapter 2 (Pages: 18-76); Chapter 10 (Pages: 414-458).
2. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y., and Berg, L.R. (2015). *Environment*, 9th Edition. Wiley Publishing, USA. Chapter 3 (Pages: 38-52); Chapter 4 (Pages: 53-62); Chapter 5 (Pages: 100-103); Chapter 6 (Pages: 106-128).
3. Singh, J.S., Singh, S.P., and Gupta, S.R. (2017). *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi. Chapter 13 (Pages: 307-323); Chapter 18 (Pages: 420-442); Chapter 28 (Pages: 747-769).

Unit 3

Natural Resources (8 lectures)

- Land resources: Minerals, soil, agricultural crops, natural forest products, medicinal plants, and forest-based industries and livelihoods; Land cover, land use change, land degradation, soil erosion, and desertification; Causes of deforestation; Impacts of mining and dam building on environment, forests, biodiversity, and tribal communities
- Water resources: Natural and man-made sources; Uses of water; Over exploitation of surface and ground water resources; Floods, droughts, and international & interstate conflicts over water
- Energy resources: Renewable and non-renewable energy sources; Use of alternate energy sources; Growing energy needs; Energy contents of coal, petroleum, natural gas and bio gas; Agro-residues as a biomass energy source
- Case studies: Contemporary Indian issues related to mining, dams, forests, energy, etc (e.g., National Solar Mission, Cauvery river water conflict, Sardar Sarovar dam, Chipko movement, Appiko movement, Tarun Bharat Sangh, etc)

Suggested Readings

1. Gadgil, M. and Guha, R. (1993). *This Fissured Land: An Ecological History of India*. University of California Press, Berkeley, USA. (pp. 1-245).

2. McCully, P. (1996). Rivers no more: the environmental effects of dams, In: *Silenced Rivers: The Ecology and Politics of Large Dams*, Zed Books, New York, USA. Page. 29-64.

3. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y. and Berg, L.R. (2015). *Environment*, 9th Edition. Wiley Publishing, USA. Chapters 10, 11, 12, 13 (Pages: 180-263); Chapter 14 (Pages: 272-275); Chapter 15 (Pages: 286-289).

4. Singh, J.S., Singh, S.P. and Gupta, S.R. (2017). *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi. Chapter 25 (Pages: 623-663).

Unit 4

Biodiversity and Conservation (8 lectures)

- Definition of Biodiversity; Levels of biological diversity: genetic, species and ecosystem diversity
- India as a mega-biodiversity nation; Biogeographic zones of India; Biodiversity hotspots; Endemic and endangered species of India; IUCN Red list criteria and categories
- Value of biodiversity: Ecological, economic, social, ethical, aesthetic, and informational values of biodiversity with examples; sacred groves and their importance with examples

Threats to biodiversity: Habitat loss, degradation, and fragmentation; Poaching of wildlife; Man-wildlife conflicts; Biological invasion with emphasis on Indian biodiversity; Current mass extinction crisis

- Biodiversity conservation strategies: in-situ and ex-situ methods of conservation; National Parks, Wildlife Sanctuaries, and Biosphere reserves; Keystone, Flagship, Umbrella, and Indicator species; Species reintroduction and translocation
- Case studies: Contemporary Indian wildlife and biodiversity issues, movements, and projects (e.g., Project Tiger, Project Elephant, Vulture breeding program, Project Great Indian Bustard, Crocodile conservation project, Silent Valley movement, Save Western Ghats movement, etc)

Suggested Readings

1. Primack, R.B. (2014). *Essentials of Conservation Biology*, Oxford University Press, USA. Page. 1-536.

2. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y. and Berg, L.R. (2015). *Environment*, 9th Edition. Wiley Publishing, USA. Chapter 5 (Pages: 97-99); Chapter 16 (Pages: 299-318).

3. Singh, J.S., Singh, S.P. and Gupta, S.R. (2017). *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi. Chapters 24 (Pages: 599-690); Chapter 26 (Pages: 664-714).

Unit 5

Environmental Pollution (8 lectures)

- Environmental pollution (Air, water, soil, thermal, and noise): causes, effects, and controls; Primary and secondary air pollutants; Air and water quality standards
- Nuclear hazards and human health risks
- Solid waste management: Control measures for various types of urban, industrial waste, Hazardous waste, E-waste, etc; Waste segregation and disposal
 - Pollution case studies: Ganga Action plan (GAP), Delhi air pollution and public health issues, Plastic waste management rules, Bhopal gas tragedy, etc

Suggested Readings

1. Brusseau, M.L., Pepper, I.L. and Gerba, C.P. (2019). Environmental and Pollution Science, 3rd Edition. Academic Press, USA. Chapter 16 (Pages: 243-255); Chapter 18 (Pages: 280-305); Chapter 21 (Pages: 352-358); Chapter 22 (Pages: 365-374); Chapter 23 (Pages: 378-388); Chapter 25 (Pages: 416-426).
2. Carson, R. (2002). Silent Spring. Houghton Mifflin Harcourt, USA. Pp. 1-264.
3. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y. and Berg, L.R. (2015). Environment, 9th Edition. Wiley Publishing, USA. Chapter 19 (Pages: 359-381); Chapter 21 (Pages: 401-421); Chapter 23 (Pages: 440-453).
4. Singh, J.S., Singh, S.P. and Gupta, S.R. (2017). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi. Chapters 19, 20, 12 (Pages: 445-535).

Unit 6

Global Environmental Issues and Policies (7 lectures)

- Causes of Climate change, Global warming, Ozone layer depletion, and Acid rain; Impacts on human communities, biodiversity, global economy, and agriculture

International agreements and programmes: Earth Summit, UNFCCC, Montreal and Kyoto protocols, Convention on Biological Diversity(CBD), Ramsar convention, The Chemical Weapons Convention (CWC), UNEP, CITES, etc

- Sustainable Development Goals: India's National Action Plan on Climate Change and its major missions
- Environment legislation in India: Wildlife Protection Act, 1972; Water (Prevention and Control of Pollution) Act, 1974; Forest (Conservation) Act 1980; Air (Prevention & Control of Pollution) Act, 1981; Environment Protection Act, 1986; Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006

Suggested Readings

1. Divan, S. and Rosencranz, A. (2002). Environmental Law and Policy in India: Cases, Material & Statutes, 2nd Edition. Oxford University Press, India. Chapter 2 (Pages: 23-39); Chapter 3 (Pages: 41-86).

2. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y. and Berg, L.R. (2015). Environment, 9th Edition. Wiley Publishing, USA. Chapter 19 (Pages: 370-376); Chapter 20 (Pages: 385-399).

3. Singh, J.S., Singh, S.P. and Gupta, S.R. (2017). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi. Chapter 23 (Pages: 555-598); Chapter 30 (Pages: 801-807).

Unit 7

Human Communities and the Environment (6 lectures)

- Human population growth: Impacts on environment, human health, and welfare; Carbon foot-print
- Resettlement and rehabilitation of developmental project affected persons and communities; relevant case studies
- Environmental movements: Chipko movement, Appiko movement, Silent valley movement, Bishnois of Rajasthan, Narmada Bachao Andolan, etc
- Environmental justice: National Green Tribunal and its importance
- Environmental philosophy: Environmental ethics; Role of various religions and cultural practices in environmental conservation
- Environmental communication and public awareness: case studies (e.g., CNG vehicles in Delhi, Swachh Bharat Abhiyan, National Environment Awareness Campaign (NEAC), National Green Corps (NGC) "Eco-club" programme, etc)

Suggested Readings

1. Divan, S. and Rosencranz, A. (2002). Environmental Law and Policy in India: Cases, Material & Statutes, 2nd Edition. Oxford University Press, India. Chapter 10 (Pages: 416-473).

2. Raven, P.H, Hassenzahl, D.M., Hager, M.C, Gift, N.Y. and Berg, L.R. (2015). Environment, 9th Edition. Wiley Publishing, USA. Chapter 2 (Pages: 33-36); Chapter 8 (Pages: 148-162).

3. Singh, J.S., Singh, S.P. and Gupta, S.R. (2017). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi. Chapter 1 (Pages: 23-26); Chapter 31 (Pages: 826-842).

Field work/ Practicals

(Equal to 5 lectures, including two mandatory field visits)

- Field visit to any of the ecosystems found in Delhi like Delhi Ridge/ Sanjay lake/ Yamuna river and its floodplains etc., or any nearby lake or pond, explaining the theoretical aspects taught in the class room
- Visit to any biodiversity park/ reserve forest/ protected area/ zoo/ nursery/

natural history museum in and around Delhi, such as Okhla bird sanctuary/ Asola Bhatti Wildlife Sanctuary/ Yamuna Biodiversity Park/ Sultanpur National Park, explaining the theoretical aspects taught in the classroom

- Visit to a local polluted site (urban/rural/industrial/agricultural), wastewater treatment plants, or landfill sites, etc
- Study of common plants and animals; basic principles of identification
- Organize a seminar/ conference/ workshop/ panel discussion on relevant topics for enhancing awareness, capacity building, and critical reasoning among students

Essential Readings

1. Brusseau, M.L., Pepper, I.L., and Gerba, C.P. (2019). Environmental and Pollution Science, 3rd Edition. Academic Press, USA. (pp. 1-520).
2. Divan, S. and Rosencranz, A. (2002). Environmental Law and Policy in India: Cases, Material & Statutes, 2nd Edition. Oxford University Press, India. (pp. 1-837).
3. Gadgil, M., and Guha, R. (1993). This Fissured Land: An Ecological History of India. University of California Press, Berkeley, USA. (pp. 1-245).
4. Raven, P.H., Hassenzahl, D.M., Hager, M.C, Giff, N.Y., and Berg, L.R. (2015). Environment, 8th Edition. Wiley Publishing, USA. (pp. 1-472).
5. Singh, J.S., Singh, S.P., and Gupta, S.R. (2017). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi. (pp.1-842)

Weekly Lesson Plan

Week 1

Multidisciplinary nature of environmental studies; components of environment: atmosphere, hydrosphere, lithosphere, and biosphere

Scope and importance; Concept of sustainability and sustainable development; Brief history of environmentalism

Week 2

Definition and concept of Ecosystem: Structure of ecosystem (biotic and abiotic components); Functions of Ecosystem: Physical (energy flow), Biological (food chains, food web, ecological succession), and Biogeochemical (nutrient cycling) processes. Concepts of productivity, ecological pyramids and homeostasis

Week 3

Types of Ecosystems: Tundra, Forest, Grassland, Desert, Aquatic (ponds, streams, lakes, rivers, oceans, estuaries); importance and threats with relevant examples from India

Ecosystem services (Provisioning, Regulating, Cultural, and Supporting); Ecosystem preservation and conservation strategies; Basics of Ecosystem restoration

Week 4

Land cover, land use change, land degradation, soil erosion, and desertification; Causes of deforestation; Impacts of mining and dam building on environment, forests, biodiversity, and tribal communities

Natural and man-made sources of water; Uses of water; Over exploitation of surface and ground water resources; Floods, droughts, and international & inter-state conflicts over water

Week 5

Renewable and non-renewable energy sources; Use of alternate energy sources; Growing energy needs; Energy contents of coal, petroleum, natural gas and bio gas; Agro-residues as a biomass energy source

Case studies: Contemporary Indian issues related to mining, dams, forests, energy, etc (e.g., National Solar Mission, Cauvery river water conflict, Sardar Sarovar dam, Chipko movement, Appiko movement, Tarun Bharat Sangh, etc).

Week 6

Definition of Biodiversity; Levels of biological diversity; India as a mega-biodiversity nation; Biogeographic zones of India; Biodiversity hotspots; Endemic and endangered species of India; IUCN Red list criteria and categories

Value of biodiversity: Ecological, economic, social, ethical, aesthetic, and informational values of biodiversity with examples; sacred groves and their importance with examples

Week 7-8

Threats to biodiversity: Habitat loss, degradation, and fragmentation; Poaching of wildlife; Man-wildlife conflicts; Biological invasion with emphasis on Indian biodiversity; Current mass extinction crisis; Biodiversity conservation strategies: in-situ and ex-situ methods of conservation; National Parks, Wildlife Sanctuaries, and Biosphere reserves; Keystone, Flagship, Umbrella, and Indicator species; Species reintroduction and translocation

Case studies: Contemporary Indian wildlife and biodiversity issues, movements, and projects (e.g., Project Tiger, Project Elephant, Vulture breeding program, Project Great Indian Bustard, Crocodile conservation project, Silent Valley movement, Save Western Ghats movement, etc)

Week 9

Environmental pollution (Air, water, soil, thermal, and noise): causes, effects, and controls; Primary and secondary air pollutants; Air and water quality standards Related case studies

Week 10

Nuclear hazards and human health risks; Control measures for various types of urban, industrial waste, Hazardous waste, E-waste, etc; Waste segregation and disposal Related case studies

Week 11

Causes of Climate change, Global warming, Ozone layer depletion, and Acid rain; Impacts on human communities, biodiversity, global economy, and agriculture

International agreements and programmes: Earth Summit, UNFCCC, Montreal and Kyoto protocols, Convention on Biological Diversity(CBD), Ramsar convention, The Chemical Weapons Convention (CWC), UNEP, CITES, etc

Week 12

Sustainable Development Goals: India's National Action Plan on Climate Change and its major missions

Wildlife Protection Act, 1972; Water (Prevention and Control of Pollution) Act, 1974; Forest (Conservation) Act 1980; Air (Prevention & Control of Pollution) Act, 1981; Environment Protection Act, 1986; Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006

Week 13

Human population growth: Impacts on environment, human health, and welfare; Carbon foot-print; Resettlement and rehabilitation of developmental project affected persons and communities; relevant case studies; Environmental movements: Chipko movement, Appiko movement, Silent valley movement, Bishnois of Rajasthan, Narmada Bachao Andolan, etc; Environmental justice: National Green Tribunal and its importance

Week 14

Environmental philosophy: Environmental ethics; Role of various religions and cultural practices in environmental conservation Environmental communication and public awareness: case studies (e.g., CNG vehicles in Delhi, Swachh Bharat Abhiyan, National Environment Awareness Campaign (NEAC), National Green Corps (NGC) "Eco-club" programme, etc)

Week 15-16

Practical/project

- Field visit to any of the ecosystems found in Delhi like Delhi Ridge/ Sanjay lake/ Yamuna river and its floodplains etc., or any nearby lake or pond, explaining the theoretical aspects taught in the class room
- Visit to any biodiversity park/ reserve forest/ protected area/ zoo/ nursery/ natural history museum in and around Delhi, such as Okhla bird sanctuary/ Asola Bhatti Wildlife Sanctuary/ Yamuna Biodiversity Park/ Sultanpur National Park, explaining the theoretical aspects taught in the classroom
 - Visit to a local polluted site (urban/rural/industrial/agricultural), wastewater treatment plants, or landfill sites, etc
 - Organize a seminar/ conference/ workshop/ panel discussion on relevant topics for enhancing awareness, capacity building, and critical reasoning among students
 - Basic exercise to Calculate and Assess carbon footprint/ Solid waste generation/

water consumption for a specific duration at individual/ family/ college/ locality level.

Teaching Learning process

The teaching-learning methodologies are designed to provide the undergraduate students a comprehensive understanding of the subject in a simplistic manner as well as evoke critical reasoning and analytical thinking among them. The various approaches to teaching-learning process include classroom lectures, video presentations, and ICT enabled teaching tools. For enhancing practical understanding, field visits are encouraged to relevant places in Delhi like Biodiversity parks, Protected areas, Wetlands, Sewage treatment plants, etc.

Assessment methods

1. Written examinations (Semester exams, Internal assessment)
2. Project work and reports related to field visits and practical learning
3. Assignment/presentations on any contemporary environmental issue

Keywords

Environment, Ecosystem, Biodiversity, Conservation, Pollution, Natural Resources, Environmental Degradation, Protection, Sustainable Development, Climate Change, Environmental Justice, Environmental Ethics, Environmental Communication

COMMUNICATION: (ENGLISH/HINDI)

ABILITY ENHANCEMENT COURSE COMPULSORY

Paper 1: ENGLISH/MIL COMMUNICATION

Course Objectives

Effective communication is an essential skill for success in any sphere of activity, from leadership responsibilities, teamwork, interviews, presentations, and inter-personal relations. This is a skill that needs to be taught in a systematic manner so that students imbibe the fundamentals of communication. The art of persuasive speaking and writing depends crucially on clarity of thought and contextual understanding expressed through appropriate vocabulary. The ability to think critically is crucial for a good communicator and involves an understanding of the communicative process. Therefore, we need to study every stage of this process systematically in order to be much more effective at communicating successfully -- in interviews, public speaking, letter writing, report writing, presentations, and inter-personal debates and conversations.

Learning Outcomes

- o Students will master the art of persuasive speech and writing.
- o Students will master the art of listening, reading, and analyzing. Students will spend the bulk of their time in class in practical exercises of reading and writing.
- o Students will develop critical thinking skills.
- o They will be introduced to established principles of academic reading and writing.

Facilitating the Achievement of Course Learning Outcomes

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1.	Understanding concepts	Interactive discussions in small groups in Tutorial classes	Reading material together in small groups initiating discussion topics participation in discussions
2.	Expressing concepts through writing	How to think critically and write with clarity	Writing essay length assignments
3.	Demonstrating conceptual and textual understanding in tests and exams	Discussing exam questions and answering techniques	Class tests

Course Content

Unit 1

Introduction

Theory of communication,
types and modes of communication (Introductions to all five sections)

Unit 2

Language of Communication

Verbal and non-verbal, spoken and written

Personal communication

Social communication

Business communication

Barriers and Strategies

Intra-personal Communication

Inter-personal Communication

Group communication

Unit 3

Speaking Skills

Monologue

Dialogue

Group Discussion

Effective Communication

Mis-Communication

Interview

Public Speech

Unit 4

Reading and Understanding,

Close Reading,

Comprehension,

Summary,
Paraphrasing,
Analysis,
Interpretation,
Translation from Indian languages to English and vice versa
Literary/Knowledge, Texts

Unit 5

Writing Skills
Documenting
Report writing
Making notes
Letter writing

Suggested Teaching Plan

Week 1

1. Introduction

Week 2 and 3

2. Language of Communication
Verbal and non-verbal, spoken and written
Personal communication,
Social communication,
Business communication,
Barriers and Strategies,
Intra-personal Communication,
Inter-personal Communication,
Group communication.

Week 4, 5 and 6

3. Speaking Skills
Monologue
Dialogue,
Group Discussion,
Effective Communication,
Mis-Communication,
Public Speech.

Week 7, 8 and 9

4. Reading and Understanding
Close Reading,
Comprehension,
Summary,
Paraphrasing,
Analysis,
Interpretation,
Translation from Indian languages to English and vice versa
Literary/Knowledge, Texts

Week 10-13 5. Writing Skills

Documenting,
Report writing,

Making notes,
Letter writing,

Week 14

Revision and clarifying concepts

Keywords

Critical reading
Comprehension,
Summary,
Paraphrase,
Translation,
Context,
Argumentation,
Perspective,
Reception,
Audience,
Evaluation,
Synthesis,
Verbal communication,
Non-verbal communication,
Personal communication,
Social communication,
Barriers to communication,
Intra-personal communication,
Inter-personal communication,
Group discussion,
Miscommunication,
Public speech,
Literary knowledge,
Writing skills,
Documentation,
Report writing,
Note taking, Letter writing.

MIL Comm.

**हिंदी भाषा और सम्प्रेषण (स्नातक स्तर के सभी पाठ्यक्रम:
बी.ए./बी.एस.सी./बी.कॉम. ऑनर्स और प्रोग्राम के सभी विद्यार्थियों के लिए)**

इकाई-1 : भाषिक संप्रेषण : स्वरूप और सिद्धांत

- संप्रेषण की अवधारणा और महत्त्व
- संप्रेषण की प्रक्रिया
- संप्रेषण के विभिन्न मॉडल
- संप्रेषण की चुनौतियाँ

इकाई-2 : संप्रेषण के प्रकार

- मौखिक और लिखित
- वैयक्तिक और सामाजिक

- व्यावसायिक
- भ्रामक संप्रेषण (Miss Communication)
- संप्रेषण बाधाएँ और रणनीति

इकाई-3 : संप्रेषण के माध्यम

- एकालाप
- संवाद
- सामूहिक चर्चा
- प्रभावी संप्रेषण

इकाई-4 : पढ़ना और समझना

- गहन अध्ययन
- अव्योहार
- सार और अन्वय
- विश्लेषण और व्याख्या
- अनुवाद

सहायक ग्रंथ

- हिंदी का सामाजिक संदर्भ — रवींद्रनाथ श्रीवास्तव
- संप्रेषण-परक व्याकरण : सिद्धांत और स्वरूप — सुरेश कुमार
- प्रयोग और प्रयोग — वी.आर. जगन्नाथ
- कुछ पूर्वाग्रह — अशोक वाजपेयी
- भाषाई अस्मिता और हिंदी — रवींद्रनाथ श्रीवास्तव
- रचना का सरोकार — विश्वनाथ प्रसाद तिवारी
- भारतीय भाषा चिंतन की पीठिका — विधानिवास मिश्र

GENERIC ELECTIVE

GE-1. (A) INTRODUCTORY MICROECONOMICS (DEPT. OF ECONOMICS)

(Only for B.Com. (H) Students)

Course Objective

This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.

Course Learning Outcomes

The course introduces the students to the first course in Economics from the perspective of individual decision making as consumers and producers. The students learn some basic principles of microeconomics, interactions of supply and demand and characteristics of perfect and imperfect markets.

Unit 1

Introduction What is microeconomics? Scope and method of economics; the economic problem: scarcity and choice; the concept of opportunity cost; the question of what to produce, how to produce and how to distribute output; science of economics; Institutions for allocating resources; the basic competitive model;

prices, property rights and profits; incentives and information; rationing; positive versus normative analysis. The Scientific method; the role of assumptions; models and mathematics; why economists sometimes disagree. Interdependence and gains from trade; specialisation and trade; absolute advantage; comparative advantage and trade

Unit 2

Supply and demand: Markets and welfare Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets. Application to international trade; comparison of equilibria with and without trade, the winners and losers from trade; effects of tariffs and quotas; benefits of international trade; some arguments for restricting trade

Unit 3

The households The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer's optimum choice; income and substitution effects; labour supply and savings decision - choice between leisure and consumption

Unit 4

The Firm and Perfect Market Structure Behaviour of profit maximizing firms and the production process; short run costs and output decisions; costs and output in the long run

Unit 5

Imperfect Market Structure Monopoly and anti-trust policy; government policies towards competition; imperfect competition

Unit 6

Input Markets Labour and land markets - basic concepts (derived demand, productivity of an input, marginal productivity of labour, marginal revenue product); demand for labour; input demand curves; shifts in input demand curves; competitive labour markets; and labour markets and public policy

References

1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Mankiw, N. (2007). Economics: Principles and applications, 4th ed. Cengage Learning.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Supply, demand, elasticity, consumer behaviour, firm behaviour, perfect and imperfect markets

GE-1. (A) BASICS OF ACCOUNTING (Dep. of Commerce)

(Only for B.A. (H) Economics Students)

Course Objective

This course provides students a firm foundation in basic accounting concepts and methodology and also acquaints them with the changes taking place in the preparation and presentation of financial statements in accordance to the applicable accounting standards and relevant Acts.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: gain an understanding of theoretical framework of accounting

CO2: explain the concept of accounting equation and accounting process

CO3: develop understanding of depreciation and inventory

CO4: understand financial statements of a company

CO5: state the meaning, objectives and significance of different types of ratios.

Course Contents

UNIT 1: Introduction to Accounting

Accounting- concept, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information, Basic Accounting Terms- Business Transaction, Capital, Drawings. Liabilities (Non-Current and Current). Assets (Non-Current, Current); Fixed assets (Tangible and Intangible), Expenditure (Capital and Revenue), Expense, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Accounting Concepts, Principles and Conventions,

Introduction to financial accounting standards, System of Accounting, Basis of Accounting: cash basis and accrual basis

UNIT 2: Concepts Related to Income Determination

Voucher and Transactions: Source documents and Vouchers, Rules of Debit and Credit. Recording of Transactions: Books of Original Entry- Journal, Special Purpose books: Cash Book: Simple, cash book with bank column and petty cashbook (simple practical problems), Purchases book, Sales book, Purchases return book, Sales return book (theory only), Bank Reconciliation Statement: Need and preparation, Trial balance: Objectives and preparation, preparation of trading, profit & loss account and Balance sheet of sole proprietorship concerns.

UNIT 3: Business Income

Depreciation: Concept, Features, Causes, factors affecting depreciation. Other similar terms: Depletion and Amortisation. Methods of Depreciation: Straight Line Method (SLM) Written Down Value Method (WDV) (Excluding change of method), Difference between SLM and WDV; Advantages of SLM and WDV

Inventory Valuation: Meaning, Significance of inventory Valuation, Inventory record systems: Periodic and perpetual, Methods: FIFO, LIFO and Weighted Average

UNIT 4: Financial Statements of companies

Understanding and reading financial statement of companies

UNIT 5: Financial Statement Analysis

Objectives, importance and limitations, Accounting Ratios: Meaning, Objectives, classification and computation. (Simple numerical only)

References

1. Grewal, T S. Introduction to Accounting. S Chand and Company, New Delhi.
2. Monga, J.R. Basic Corporate Accounting. Mayur Publication, New Delhi.
3. Monga, J.R. Basic Financial Accounting. Mayur Publication, New Delhi.
4. Sehgal, Ashok & Deepak Sehgal. Fundamentals of Financial Accounting. Taxmann, New Delhi.

Additional Resources

1. Charles T Horngren, Gart L Sundem, John A. Elliot and Donna R Philbrick. Introduction to Financial Accounting, Pearson.

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2. Leonardo, A. Robinson, James R. Qanis, C. Wayne Alderman, Accounting Information Systems: A cycle Approach. Publisher Wiley
 3. Marshall, B Romney and Paul, John Steinbart, Accounting Information Systems, Pearson Education Limited.
 4. Robert, L. Hurt, Accounting Information Systems: Basic Concepts and Current Issues, McGraw Hill.

Note: Latest edition of readings may be used

Teaching Learning Process

Theory/ numerical with examples

Assessment Tasks

Class participation, Presentation, Practical's, Viva/ test, End Semester Exam

Keywords

Accounting Process, Trial Balance, Trading & Profit and Loss Account, Depreciation, Accounting, Ratios

GE-1 (B): BUSINESS ORGANISATION AND MANAGEMENT (Dep. of Commerce)

(Only for B.A. (H) Economics Students)

Course Objective

The course aims to familiarize the non-commerce students with the world of business organisation and management.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: learn business activities to compete in competitive world.

CO2: understand entrepreneurship from local to international perspective.

CO3: evaluate the application of functional areas of business activity.

CO4: analyze decision making and communication.

CO5: evaluate the impact of legal, social, and economic environment on business.

Course Contents

Unit I: Introduction to Organisations & Management

Meaning and pervasiveness of organisations; Range of business activities; Meaning and importance of management in organisations; Perspectives on experiencing business- Consumer's point of view-app-based, web-based and in-store commerce;

Producer's point of view- thinking end-to-end, from farm to fork, from the ultimate source of supply to the consumer, supply chain and distribution channels; Careers in business ownership and management point of view- thinking domains (functions) and verticals (industries).

Unit II: Entrepreneurship: Founding the Business

Entrepreneur-Entrepreneurship-Enterprise; Process of entrepreneurship; Entrepreneurs as the persons behind businesses; Stories of local, national and international businesspersons.

Unit III: Organisation of Business

Ownership forms- proprietary and corporate; Unorganized (informal enterprises) versus organized (registered/incorporated enterprises); Business families and family business, multinational businesses; Domains/functions of business- an overview-reinforcing career options- of production & operations, marketing, accounting, finance and HR.

Unit IV: Management of Business

Overview of functions of management and managerial roles in business; Managerial levels, skills/competencies; Decision-making techniques; Motivation; Leadership and Communication – exemplary practices in developing people as individuals and teams.

Unit V: Context of Business

Interface between business, government, society and natural environment; Industry analysis; business level strategy formulation.

Practical

Project Work

References

1. Barry, J., Chandler, J., Clark, H., Johnston, R., & Needle, D. (1999). Organisation and Management: A Critical Text . Cengage Learning.
2. Basu, C. (2017). Business Organisation and Management. McGraw Hill Education.
3. Burton G. and Thakur, M. Management Today: Principles and Practice. New Delhi. Tata McGraw Hill.
4. Buskirk, R.H., et al. Concepts of Business: An Introduction to Business System. New York. Dryden Press.
5. Chhabra, T. N. Business Organisation and Management. Sun India Publications. New Delhi.
6. Griffin, R. W., Phillips, J. M., & Gully, S. M. (2017). Organisational Behavior: Managing People and Organisations. Cengage Learning.
7. Griffin. Management Principles and Application. Cengage Learning.
8. Gupta C. B. Modern Business Organisation. New Delhi. Mayur Paperbacks.
9. Kaul, V. K. (2012). Business Organisation Management. Pearson Education .

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10. Koontz, H., & Wehrich, H. (2012). Essentials of Management: An International and Leadership Perspective. Paperback.
 11. Singh, B. P., & Singh, A. K. Essentials of Management. New Delhi. Excel Books Pvt. Ltd.

Note: Latest edition of readings may be used

Teaching Learning Process

Learning through analysis and discussion of case studies and active participation in experiential exercises and simulations.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

App-Based Commerce, Family Business, Decision Making Techniques, Motivation, Leadership, Industry Analysis.

GE-1 (B): Generic Elective

Paper 1: ACADEMIC WRITING AND COMPOSITION

Course Objectives

This course is designed to help undergraduate students develop and research composition, argument, and writing skills that will enable them to improve their written abilities for higher studies and academic endeavours.

Facilitating the Achievement of Course Learning Outcomes.

Sl. No	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1	Understanding concepts	Interactive discussions in small groups in Tutorial classes	Reading material together in small groups initiating discussion topics participation in discussions
2	Expressing concepts through writing	How to think critically and write with clarity	Writing essay length assignments
3	Demonstrating	Discussing exam	Class tests

	conceptual and textual understanding in tests and exams	questions and answering techniques	
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Course Contents

Unit 1

Introduction to the Writing Process

Unit 2

Introduction to the Conventions of Academic Writing

Unit 3

Writing in one’s own words: Summarizing and Paraphrasing

Unit 4

Critical Thinking: Syntheses Analyses and Evaluation

Unit 5

Structuring an Argument: Introduction Interjection and Conclusion

Unit 6

Citing Resources Editing Book and Media Review

Essential Readings

Dev, Anjana Neira. Academic Writing and Composition. New Delhi: Pinnacle, 2015.

Hamp-Lyons, Liz and Ben Heasley. Study Writing: A Course in Writing Skills for Academic Purposes.

Teaching Plan

Week 1 - Unit 1 -- Introduction to the writing process

Week 2 - Unit 2 -- Introduction to the conventions of academic writing

Week 3 - Unit 3 -- Writing in one’s own words: summarizing and paraphrasing

Week 4 - Unit 3 Contd

Week 5 - Unit 4 -- Critical thinking: syntheses analyses and evaluation

Week 6 - Unit 4 Contd

Week 7 - Unit 4 Contd

Week 8 - Unit 4 Contd

Week 9 - Unit 5 -- Structuring an argument: introduction interjection and Conclusion
Week 10 - Unit 5 Contd
Week 11 - Unit 5 Contd
Week 12 - Unit 6- Citing resources editing book and media review
Week 13 - Unit 6 Contd
Week 14 - Concluding lectures exam issues etc

Keywords

Formal and informal writing,
Writing process,
Summary,
Paraphrase,
Note making,
Editing,
Citation,
Plagiarism,
Bibliography

GE-1. (C) CALCULUS (Dept. of Mathematics)

Total Marks: 100 (Theory: 75, Internal Assessment: 25)

Workload: 5 Lectures, 1 Tutorial (per week) **Credits:** 6 (5+1)

Duration: 14 Weeks (70 Hrs.)

Examination: 3 Hrs.

Course Objectives:

The main aim of this course is to learn about applications of derivatives for sketching of curves and conics and applications of definite integrals for calculating volumes of solids of revolution, length of plane curves and surface areas of revolution. Various notions related to vector-valued functions and functions of several variables are discussed in this course.

Course Learning Outcomes:

This course will enable the students to:

- i) Sketch the curves in Cartesian and polar coordinates as well as learn techniques of sketching the conics
- ii) Visualize three dimensional figures and calculate their volumes and surface areas.
- iii) Understand limits, continuity and derivatives of functions of several variable and

vector-valued functions.

Unit 1: Applications of Derivatives and Limits

The first derivative test, Concavity and inflection points, Second derivative test, Curve sketching using first and second derivative test; Limits at infinity, Horizontal asymptotes, Vertical asymptotes, Graphs with asymptotes; L'Hôpital's rule.

Unit 2: Applications of Definite Integrals

Volumes by slicing, Volumes of solids of revolution by the disk method, Volumes of solids of revolution by the washer method, Volume by cylindrical shells, Length of plane curves, Arc length of parametric curve, Area of surface of revolution

Unit 3: Conics, Vector-Valued Functions and Partial Derivatives

Techniques of sketching conics, Reflection properties of conics; Polar coordinates, graphing in polar coordinates; Vector-valued functions: Limits, Continuity, Derivatives, Integrals, Arc length, Unit tangent vector, Curvature, Unit normal vector; Functions of several variables: Graphs and level curves, Limits and continuity, Partial derivatives and differentiability, The chain rule, Directional derivatives and gradient vectors, Tangent plane and normal line, Extreme values and saddle points.

References:

1. Anton, Howard, Bivens, Irl, & Davis, Stephen (2013). Calculus (10th ed.). John Wiley & Sons Singapore Pvt. Ltd. Reprint (2016) by Wiley India Pvt. Ltd. Delhi.
2. Strauss, M. J., Bradley, G. L., & Smith, K. J. (2007). Calculus (3rd ed.). Dorling Kindersley (India) Pvt. Ltd. (Pearson Education). Delhi. Sixth impression 2011.

Additional Reading:

- i. Thomas, Jr. George B., Weir, Maurice D., & Hass, Joel (2014). Thomas' Calculus (13th ed.). Pearson Education, Delhi. Indian Reprint 2017.

Teaching Plan (GE-1: Calculus):

Weeks 1 and 2: The first derivative test, Concavity and inflection points, Second derivative test, Curve sketching using first and second derivative test.

[2] Chapter 4 (Section 4.3).

Weeks 3 and 4: Limits at infinity, Horizontal asymptotes, Vertical asymptotes, Graphs with asymptotes; L'Hôpital's rule.

[2] Chapter 4 (Sections 4.4, and 4.5). [1] Chapter 3 (Section 3.3), and Chapter 6 (Section 6.5).

Weeks 5 and 6: Volumes by slicing, Volumes of solids of revolution by the disk method, Volumes of solids of revolution by the washer method, Volume by cylindrical shells.

[1] Chapter 5 (Sections 5.2, and 5.3).

Week 7: Length of plane curves, Arc length of parametric curves, Area of surface of revolution.

[1] Chapter 5 (Sections 5.4, and 5.5).

Week 8: Techniques of sketching conics, Reflection properties of conics.

[1] Chapter 10 (Section 10.4).

Week 9: Polar coordinates, Graphing in polar coordinates.

[1] Chapter 10 (Section 10.2).

Week 10: Vector-valued functions: Limit, continuity, Derivatives, Integrals, Arc length, Unit tangent vector, Curvature, Unit normal vector.

[1] Chapter 12 (Sections 12.1 to 12.5).

Weeks 11 and 12: Functions of several variables: Graphs, Level curves, Limits and continuity, Partial derivatives and differentiability.

[1] Chapter 13 (Section 13.1 to 13.4).

Week 13: Functions of several variables: The chain rule, Directional derivatives and gradient vectors.

[1] Chapter 13 (Sections 13.5, and 13.6).

Week 14: Functions of several variables: Tangent plane and normal line, Extreme values and saddle points.

[1] Chapter 13 (Sections 13.7, and 13.8).

Facilitating the Achievement of Course Learning Outcomes.

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1	Sketch the curves in Cartesian and polar coordinates as well as learn techniques of sketching the conics.	(i) Each topic to be explained with examples. (ii) Students to be involved in discussions and encouraged to ask questions.	<ul style="list-style-type: none">• Student presentations.• Participation in discussions.• Assignments and class tests.• Mid-term examinations.• End-term examinations.
2	Visualize three dimensional figures and calculate their volumes and surface areas	(iii) Students to be given homework/ assignments. (iv) Students to be encouraged to give short presentations.	
3	Understand limits, continuity and derivatives of functions of several variable and vector-valued functions.		

Keywords:

Concavity, Asymptotes, Curve sketching, L'Hôpital's rule, Volumes of solids of revolution, Sketching of conics, Vector-valued functions, Functions of several variables.

GE-1. (D) हिंदी सिनेमा (Dept. of Hindi)

इकाई 1- कला विधा के रूप में सिनेमा और उसकी सैद्धांतिकी

इकाई 2- हिंदी सिनेमा : उद्भव और विकास

इकाई 3- सिनेमा में कैमरे की भूमिका

इकाई 4- नई तकनीक और सिनेमा - संभावनाएँ और चुनौतियाँ

(संदर्भ - मुगल-ए-आजम, मदर इंडिया, दीवार, पीके)

प्रथम सेमेस्टर में हिंदी का यह जेनेरिक इलेक्टिव पाठ्यक्रम बहुत रोचक एवं ज्ञानवर्धक है। यह बीकॉम (ऑनर्स) तथा बीए (ऑनर्स) अर्थशास्त्र के उन सभी विद्यार्थियों के लिए उपयोगी है, जो अपने सामान्य पाठ्यक्रम के अतिरिक्त कुछ नया जानना और सीखना चाहते हैं। हिंदी सिनेमा पूरे विश्व में बॉलीवुड के नाम से धूम मचा रहा है। यह हिंदी एवं भारतीय संस्कृति के प्रचार- प्रसार में महत्त्वपूर्ण भूमिका निभा रहा है। हिंदी सिनेमा के विविध पक्षों की जानकारी देने वाला यह पाठ्यक्रम शिक्षा को उबाऊ और नीरस नहीं होने देता, अपितु उसे मनोरंजक एवं सरस बनाता है। चार प्रमुख हिंदी फिल्मों के संदर्भ में हिंदी सिनेमा के अतीत और वर्तमान में प्रयुक्त नई तकनीक और उसमें निहित संभावनाओं- चुनौतियों पर भी चर्चा की जाती है। इस जेनेरिक इलेक्टिव को पढ़कर विद्यार्थी मीडिया, फिल्म समीक्षा, फिल्म निर्माण आदि विविध क्षेत्रों में जाकर पैसा और शोहरत दोनों कमा सकते हैं।

GE-1. (E) POLITICS OF GLOBALIZATION (Dept. of Political Science)**Course Objective**

The objective of this generic elective paper is to make students from diverse

background understand the process of globalization from a political perspective. This paper will create a broad understanding of the issues and processes globalization based on critical analysis of the various anchors and dimensions of globalization.

Course Learning Outcomes

- The students will learn about the nature, significance and contemporary debates around globalization.
- The study of various approaches and concepts of globalization and the role of international economic organizations will augment students' knowledge on international political economy.
- The course will provide an insight into the alternative understanding of globalization and various critical aspects related to it
- The paper will equip students with a comprehensive knowledge of the impact of globalization on developing countries in the context of contemporary international issues like civil society, social movements and human migration

Unit 1

Concept of Globalization: Globalization debate; for and against.

Unit 2

Approaches to understanding globalization: a) Liberal approach b) Radical approach

Unit 3

International Institutions/Regimes

- a) World Bank
- b) International Monetary Fund
- c) The World Trade Organization

Unit 4

Issues in Globalization: Alternative Perspectives on its nature and character, critical dimensions: economic, political and cultural

Unit 5

Globalization and democracy: State, sovereignty and the civil society.

Unit 6

Globalization and Politics in developing countries

- a) Globalization and social movements
- b) Globalization and the demise of Nation State
- c) Globalization and human migration

Unit 7

References

- J. Baylis, Smith and Owens, eds. (2017) *The Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press.
- Joseph E. Stiglitz (2018), *Globalization and Its Discontents Revisited: Anti-Globalization in the Era of Trump*, New York: W.W. Norton & Company.
- Jagdish Bhagwati (2007), *In Defense of Globalization*, Oxford, Oxford University Press.
- Manfred B. Steger (2017) *Globalization: A Very Short Introduction*, New York: Oxford University Press. Paul Hirst, G. Thompson and S. Bromley (2009), *Globalization in Question*, Malden, Polity Press.
- John Clark (ed.), (2003) *Globalizing Civic Engagement: Civil Society and Transnational Action*, London, Earthscan.
- Sanjeev Khagram, James Riker and Korthrxu Sikkink (ed.) (2002) *Restructuring World Politics: Transnational Social Movements*, MN, University of Minnesota Press. Bernard Hoelkman and Michel Kostecki, *the Political Economy of the World Trading System: From GATT to WTO*, New York, OUP.
- Arjun Appadurai, (1996), *Modernity at Large: Cultural Dimensions of Globalisation*, University of Minnesota Press.
- Deepak Nayyar (ed.) (2002), *Governing Globalization: Issues and Institutions*, Oxford University Press.
- Held, David and Anthony Mc grew (ed.), (2003), *The Global Transformation Reader: An introduction to the Globalization Debate*, 2nd Cambridge, Polity Press, Blackwell Publishing.
- Joseph E Stiglitz, (2002), *Globalisation and its Discontents*, US, W.W. Norton and Company.
- Noreena Hertz, (2000), *The silent take over: Global Capitalism and the death of Democracy*, Praeger.
- Nye Joseph S and John D. Donanu (ed.) (2000) *Governance in a Globalizing World*, Washington dc, Brooking Institution Press.
- Tyler Cowen, (2000) *Creative Destruction: How Globalization is changing the world's culture*, New Jersey, Princeton University Press.

Additional Resources:

Classic Readings

David Held and Anthony McGrew, et.al (1999) *Global Transformation: Politics,*

Economy and Culture, Stanford, Stanford University Press.

David Held and Anthony McGrew (2003), eds., the Global Transformations Reader: An Introduction to the Globalization Debate, Malden, Polity Press.

Additional Readings

Keohane Robert and Joseph S. Nye Jr. (Spring 2002), "Globalization: What is new, what is not", Foreign Policy, No.118. pp. 104-119, Washington. Newsweek Interactive, LLC. Marc Lindenberg and Coralie Bryant, Going Global: Transforming Relief and Development NGOs, Bloomfield, Kumarian Press.

Sen, A. (2006) Identity and Violence: Illusion and Destiny. London: Penguin/Allen Lane, ch.7, pp.130-148.

Readings in Hindi

पुषेश पन (2016), भूमंडलीकरण एवं भारत, िदली:एकेस पिबिशं ग.

Teaching Learning Process

The Course titled 7. Politics of Globalization under Generic Elective (Interdisciplinary) in CBCS, B.A. (Hons.) Political Science aims to acquaint the students about various nuances of globalization. Therefor the teaching learning process will help students acquaint with the linkages between theory and practice. The students will be engaged in classroom lectures with power-point presentations. Short documentary or relevant videos will be screened. This will be followed by group discussions and debate. To inculcate criticality among the student's contemporary issues will be discussed. Students will be also familiarized with contemporary jargons and issues.

Assessment Methods

The students will be assessed according to their performance in internal exam and end semester exam. Besides, students will also be assessed according to their performance in class discussions. Students will be given take home tests and will be encouraged to make presentations.

Keywords

Globalization, Migration, World Bank, IMF, WTO, Global South

GE-1. (F): YOGA AND STRESS MANAGEMENT

PART A: THEORY

Duration: 2 Hrs

Unit –I : Introduction

- 1.1 Meaning , Definition and Importance of Yoga
- 1.2 Origin and Historical development of yoga

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- 1.3 Ashtanga yoga (Maharishi Patanjali) : Yama, Niyama, Asana, Pranayam, Pratyahar, Dharna, Dhyana, Samadhi and their importance

Unit –II : Yoga-Asanas, Pranayams and Shat Karmas

- 2.1. Meaning, Procedure, Precautions and Benefits of the following Asanas: Meditative Asanas (Vajarasana, Padmasana, Swastikasana, Sukhasana); Supine Position Asanas(Ardh-Halāsana, Sarvangāsana, Chakrasana, Pawanmuktāsana);Prone Position Asanas (Bhujangāsana, Salabhasana, Dhanurasana); Sitting Asanas (Utkatasana, Hanumanāsana, Trikonāsana and Tadasana)
- 2.2. Meaning, Procedure, Precautions and Benefits of the following Pranayamas: Anulom-Vilom, Suryabhedhen, Ujjayi, Bhrameri, Sheetali, SheetkariPranayamas
- 2.3. Meaning Procedure, Precautions and Benefits of the following Shatkarmas: Kapalbharti, Trataka, Neti and VamanDhauti.

Unit- III : Stress Management

- 3.1. Concept, Causes and Effects of Stress
- 3.2. Non-communicable diseases (due to stress), Stress prevention and good health
- 3.3. Stress Management through relaxation techniques (autogenic training and progressive muscle relaxation, deep breathing meditation), and sports, recreational, adventure Sports, Physical activities as coping strategies

PART B : PRACTICAL

- 1 Suryanamaskar and any five asanas
- 2 Pranayamas (any two) and Shat-karmas/Kriyas (any one)
- 3 Practice Meditation for 5-10 minutes.

Assessment of Practical

Practical (Demonstration/ Performance)	: 10 Marks
Viva	: 10 Marks
Record Book all topic of practical	: 05 Marks

PART C: INTERNAL ASSESSMENT

Presentation / Written Test	: 10 Marks
Project / Assignment	: 10 Marks
Attendance	: 05 Marks

MARKING SCHEME: THEORY = 50 Marks, Practical = 25, Internal Assessment = 25 Marks

SEMESTER CREDITS FOR THE PAPER = 6 CREDITS

- Each period will be of one hour.
- 4 theory periods per week semester = 4 credits
- 4 Practical periods per week per semester = 2 credits

INSTRUCTIONS TO THE EXAMINERS

- The examiners will set nine questions (eight descriptive and one short notes containing three options whereby, a student has to attempt any two) equally distributed throughout the entire syllabus.
- The students will be required to attempt any five questions.
- Each question will carry ten marks.

SUGGESTED READING

- 1 Davis M. et al (2008). The Relaxation and Stress Reduction workbook. Harbinger Publications. USA.
- 2 Greenberg J.S. (2008). Comprehensive Stress Management. McGraw Hill, USA.
- 3 Hipp E. (2008). Fighting Invisible Tigers: Stress Management for Teens. Free Spirit Publishing, USA.
- 4 Iyenger, B.K.S. (1995). Light on Yoga: The Bible of Modern Yoga USA: Schocken Publishers.
- 5 Kumari, Sheela, S; Rana, Amita; and Kaushik, Seema (2009), A Practical Workbook on fitness, Aerobics and Gym Operations, KhelSahitya, New Delhi.
- 6 Sharma, J.P. (2006), Yoga Shiksha Ek Parichaya, Delhi: Friends Publications.

GE-2. (A) INTRODUCTORY MACROECONOMICS (Dept. of Economics)

(Only for B.Com. (H) Students)

Course Objective

This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like GDP, savings, investment, money, inflation, and the balance of payments. It also introduces students to simple analytical frameworks (e.g., the IS-LM model) for determination of equilibrium output.

Course Learning Outcomes

This course will allow students to understand the basic functioning of the macroeconomy.

Unit 1

Introduction to macroeconomics and national income accounting Basic issues studied in macroeconomics; measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy; balance of payments: current and capital accounts

Unit 2

Money Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy

Unit 3

Inflation Inflation and its social costs; hyperinflation

Unit 4

The closed economy in the short run Classical and Keynesian systems; simple Keynesian model of income determination; IS-LM model; fiscal and monetary multipliers

References

1. Abel, A., Bernanke, B. (2016). Macroeconomics, 9th ed. Pearson Education.
2. Blanchard, O. (2018). Macroeconomics, 7th ed. Pearson Education.
3. Dornbusch, R., Fischer, S., Startz, R. (2018). Macroeconomics, 12th ed. McGraw-Hill.
4. Jones, C. (2016). Macroeconomics, 4th ed. W. W. Norton.
5. Mankiw, N. (2016). Macroeconomics, 9th ed. Worth Publishers.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

GDP, BOP, money, inflation, classical model, Keynesian model

GE-2. (A) ENTREPRENEURSHIP (Dept. of Commerce)

(Only for B.A. (H) Economics Students)

Course Objective

The course aims at imparting basic knowledge on entrepreneurship and new enterprise creation so as to provide an opportunity to students to opt for entrepreneurship as an alternative career option as well as provide opportunity towards greater exposure to entrepreneurial process through hands-on training.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand entrepreneurship as volition in context of India.

CO2: gather knowledge and ideas on the existing support system for entrepreneurial orientation.

CO3: understand enterprise formation process for gaining ideas as to creation of an enterprise for pursuing a career.

CO4: understand requirements of post-enterprise creation for effective operation of the business.

CO5: gain knowledge on available growth strategies for implementing effective suitable strategy for expansion and growth.

Course Contents

Unit I: Introduction

Entrepreneurship- meaning and importance, entrepreneurship in Indian context, entrepreneurship as a creative solution provider, meaning of various terms related to entrepreneurship- intrapreneurship, social entrepreneurship, net entrepreneurship, technopreneurship.

Unit II: Entrepreneurial Eco-System

Socio-economic support system for entrepreneurship; Public and private system of stimulation; Role of development institutes, availability of finance, marketing, technology and project related assistance; Role of trade associations and self-help groups for promotion of entrepreneurship; Types of business entities- micro, small and medium enterprises, role of MSME sector in Indian economy family businesses in India; Conflicts in family business; Startup Action Plan; Make in India initiative.

Unit III: Enterprise Formation Process

Understanding and analyzing business opportunities, market demand analysis, project feasibility study; preparation of business plan; Start ups and basic start ups problems, sources of financing business start ups; Cases of Indian start ups (practical knowledge on preparation of business plan/project report shall be imparted).

Unit IV: Managerial Aspects of Business

Managing finance- preparation of operating/cost budget, cash budget; Understanding management of short term and long term capital; Human resource planning; Contract management; Understanding marketing methods; Understanding of GST and other tax compliances.

Unit V: Managing Growth

Business growth strategies specific to small enterprises; Enterprise life cycle and various growth strategies; Business collaboration and outsourcing of resources; Network management; Succession planning for sustenance.

Practical

Visit to new enterprise for securing ideas and knowledge on enterprise creation process and effecting an interaction with the entrepreneur is an essential requirement for learners for ensuring the propensity of entrepreneurial orientation among the students.

References

1. Brandt, S. C. *Entrepreneurship: The Ten Commandments for Building a Growth Company*. MacMillan Business Books.
2. Holt, D. H. *Entrepreneurship: New Venture Creation*. New Delhi: Prentice Hall of India.
3. Panda, S. C. *Entrepreneurship Development*. New Delhi: Anmol Publications.
4. Taneja, S., & Gupta, S. L. *Entrepreneurship Development-New Venture creation*. New Delhi: Galgotia Publishing House.

Additional Resources

1. Dollinger, M. J. *Entrepreneurship: Strategies and Resources*. Illinois: Irwin.
2. Vasper, K. H. *New Venture Strategies (Revised Edition)*. New Jersey: Prentice-Hall.

Note: Latest edition of readings may be used

Teaching Learning Process

Direct interactive class room teaching method for ensuring learning objectives is suggested in this course.

Assessment Methods

Class tests, Assignments based evaluation on various entrepreneurial opportunities, Class participation, Presentations, End-semester examination

Keywords

Intrapreneurship, Technopreneurship, Basic Start Ups, Enterprise Life Cycle, Social Entrepreneurship, Family Business, GST.

**GE- 2(Aa): FINANCE FOR NON-FINANCE EXECUTIVES (Dept. of Commerce)
(Only for B.A. (H) Economics Students)**

Course Objective

To familiarize non-finance executives with the basic concepts of finance.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand the overview of finance, concept of time value of money as well as concept of risk & return

CO2: learn financial analysis with the aid of various financial statements & analyze capital budgeting process and techniques.

CO3: analyze cost of capital, capital structure and leverage

CO4: examine dividend & working capital dividend decisions

CO5: perform valuation of securities

Course Contents

Unit: I Introduction

Meaning and importance of Finance. Time Value of money (Compounding & Discounting), Risk & Return. Alternative investment options, Sources of Long term financing and short term financing.

Unit: II Financial Analysis & Capital Budgeting

Types of Financial Statements- Income Statement, Balance Sheet, Ratio Analysis: Meaning, Significance and Limitations. Current Ratio, Quick Ratio, Absolute Liquidity Ratio, Debt-Equity Ratio, Interest Coverage Ratio, Inventory Turnover Ratio, Debtors Turnover Ratio, Average Collection Period, Creditors Turnover Ratio, Average Payment Period, Return on Capital Employed, Earning Per Share, Dividend Per Share. Capital Budgeting Process, Capital Budgeting Techniques (Pay Back Period, Discounted payback period, NPV, IRR).

Unit: III Cost of Capital & Capital Structure

Concept of Cost of Capital and Capital Structure: Cost of Debt Capital, Cost of Preference Share Capital, Equity Share Capital, Weighted Average Cost of Capital (WACC). Meaning of Leverage. Operating Leverage, Financial Leverage, Combined Leverage.

Unit: IV Dividend Decisions & Working Capital

Types of Dividends, Dividend policies and factors affecting dividend policies. Concept of Working Capital, its components and Factors affecting working capital requirements. Contemporary issues in Finance

Unit: V Valuation of Securities

Types of Risks and Returns. Concept of Valuation, Equity Valuation & Analysis, Bond Valuation & Analysis. Portfolio Analysis

References

1. _Bhargav, B, K, Finance For Non Finance Managers. Jaiko Publishing House.
2. _Chandra, P. Finance Sense: Finance For Non Finance executives. Tata McGraw Hill.
3. _Gabriel Hawawini, Claude Viallet, Finance For Non Finance Managers, Cengage Delmar Learning India Pvt Ltd.
4. _Gene Siciliano ,Finance for Nonfinancial Managers, (Briefcase Books Series), Tata McGraw Hill
5. _Tripathi, Vanita, Basic Financial Management” Taxmann Publication.

Additional Resources

1. _Chandra, P. Financial Management-Theory and Practice., Tata McGraw Hill
2. _Tripathi, Vanita, Fundamentals of Investments. Taxmann Publication.

Note: Latest edition of text books may be used.

Teaching Learning Process

As the course is designed To familiarize non finance executives with the essentials of finance, the teaching learning process will be based on lectures, project work/field work and cases studies

Assessment Methods

The assessment of the students must be aligned with the course learning outcomes and requires Class Participation, Class Test, Assignment, Project Work/field work, End Semester Examination

Keywords

Time Value of Money, Risk, Return, Financial Statements, Financial Ratio Analysis, Capital Budgeting.

GE-2. (C) The Individual and Society

Course Objective

This anthology introduces students to the various issues that face society today – caste, class, race, gender violence, and globalization. It serves as an effective entry point to an understanding of these areas that students will encounter in their higher studies and daily lives, and aims to provide them with a holistic understanding of these issues and their complexities.

Sl No	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1	Understanding concepts	Interactive discussions in small groups in Tutorial classes	Reading material together in small groups initiating discussion topics participation in discussions
2	Expressing concepts through writing	How to think critically and write with clarity	Writing essay length assignments
3	Demonstrating conceptual and textual understanding in tests and exams	Discussing exam questions and answering techniques	Class tests

Course Contents

Prescribed text:

Sood, Vinay, ed. *The Individual and Society: Essays, Stories and Poems*. Delhi: Pearson, 2005.

Unit 1

Caste and Class

Chapters 1, 2, 3, 4, 5, 6

Unit 2

Gender

Chapters 8, 9, 10, 12, 13, 15

Unit 3

Race

Chapters 16, 17, 18, 19

Unit 4

Violence and War

Chapters 22, 23, 25, 26

Unit 5

Living in a Globalized World

Chapters 29, 31, 32, 34

Essential Reading

Note: This is a text-based course, and students will be examined on all the prescribed readings in Units 1 through 5. The text, *The Individual and Society*, is therefore to be considered essential reading.

Teaching Plan

Week 1 – Unit 1-- Caste/Class

Week 2 – Unit 1 contd

Week 3 – Unit 1 contd

Week 4 – Unit 2 – Gender

Week 5 – Unit 2 contd

Week 6 – Unit 2contd

Week 7 – Unit 2contd

Week 8 – Unit 3 – Race

Week 9 – Unit 3contd

Week 10 – Unit 4 -- Violence and War

Week 11 – Unit 4contd

Week 12 – Unit 5 -- Living in a Globalized World

Week 13 – Unit 5contd

Week 14 – Concluding lectures, discussion on exam pattern, etc.

Keywords

Individual, Society, Caste, Class, Gender, Race, Violence, Globalisation.

GE-2. (C) LINEAR ALGEBRA (Dept. of Mathematics)

Total Marks: 100 (Theory: 75, Internal Assessment: 25)

Workload: 5 Lectures, 1 Tutorial (per week) **Credits:** 6 (5+1)

Duration: 14 Weeks (70 Hrs.)

Examination: 3 Hrs.

Course Objectives:

The objective of the course is to introduce the concept of vectors in \mathbb{R}^n . The concepts of linear independence and dependence, rank and linear transformations has been explained through matrices. Various applications of vectors in computer graphics and movements in a plane has also been introduced.

Course Learning Outcomes:

This course will enable the students to:

- i) Visualize the space \mathbb{R}^n in terms of vectors and the interrelation of vectors with matrices, and their application to computer graphics.
- ii) Familiarize with concepts in vector spaces, namely, basis, dimension and minimal spanning sets.
- iii) Learn about linear transformations, transition matrix and similarity.
- iv) Learn about orthogonality and to find approximate solution of inconsistent system of linear equations.

Unit 1: Euclidean space \mathbb{R}^n and Matrices

Fundamental operation with vectors in Euclidean space \mathbb{R}^n , Linear combination of vectors, Dot product and their properties, Cauchy-Schwarz inequality, Triangle inequality, Projection vectors, Some elementary results on vectors in \mathbb{R}^n , Matrices: Gauss-Jordan row reduction, Reduced row echelon form, Row equivalence, Rank, Linear combination of vectors, Row space, Eigenvalues, Eigenvectors, Eigenspace, Characteristic polynomials, Diagonalization of matrices; Definition and examples of vector spaces, Some elementary properties of vector spaces, Subspace, Span, Spanning set for an eigenspace, Linear independence and linear dependence of vectors, Basis and dimension of a vector space, Maximal linearly independent sets, Minimal spanning sets; Application of rank: Homogenous and non-homogenous systems of linear equations; Coordinates of a vector in ordered basis, Transition matrix.

Unit 2: Linear Transformations and Computer Graphics Linear transformations:

Definition and examples, Elementary properties, The matrix of a linear transformation, Linear operator and similarity; Application: Computer graphics, Fundamental movements in a plane, Homogenous coordinates, Composition of movements; Kernel and range of a linear transformation, Dimension theorem, One to one and onto linear transformations, Invertible linear transformations, Isomorphism, Isomorphic vector spaces (to \mathbb{R}^n).

Unit 3: Orthogonality and Least Square Solutions

Orthogonal and orthonormal vectors, Orthogonal and orthonormal bases, Orthogonal complement, Projection theorem, Orthogonal projection onto a subspace; Application: Least square solutions for inconsistent systems, Non-unique least square solutions.

References:

1. Andrilli, S., & Hecker, D. (2016). Elementary Linear Algebra (5th ed.). Elsevier India.
2. Kolman, Bernard, & Hill, David R. (2001). Introductory Linear Algebra with Applications (7th ed.). Pearson Education, Delhi. First Indian Reprint 2003.

Additional Reading:

- i. Lay, David C., Lay, Steven R., & McDonald, Judi J. (2016). Linear Algebra and its Applications (5th ed.). Pearson Education.

Teaching Plan (GE-2: Linear Algebra):

Week 1: Fundamental operation with vectors in Euclidean space \mathbb{R}^n , Linear combination of vectors, dot product and their properties, Cauchy-Schwarz inequality, Triangle inequality, Projection vectors.

[1] Chapter 1 (Sections 1.1 and 1.2).

Week 2: Some elementary results on vectors in \mathbb{R}^n ; Matrices: Gauss-Jordan row reduction, Reduced row echelon form, Row equivalence, Rank.

[1] Chapter 1 [Section 1.3 (Pages 34 to 44)].

[1] Chapter 2 [Sections 2.2 (up to Page 111), 2.3 (up to Page 122, Statement of Theorem 2.5)].

Week 3: Linear combination of vectors, Row space, Eigenvalues, Eigenvectors, Eigenspace, Characteristic polynomials, Diagonalization of matrices.

[1] Chapter 2 [Section 2.3 (Pages 122-132, Statements of Lemma 2.8, Theorem 2.9)], Chapter 3 (Section 3.4).

Week 4: Definition and examples of vector spaces, Some elementary properties of vector spaces.

[1] Chapter 4 (Section 4.1).

Week 5 and 6: Subspace, Span, Spanning set for an eigenspace, Linear independence and dependence, Basis and dimension of a vector space, Maximal linearly independent sets, Minimal spanning sets.

[1] Chapter 4 (Sections 4.2 to 4.5, Statements of technical Lemma 4.10 and Theorem 4.12).

Week 7: Application of rank: Homogenous and non-homogenous systems of linear equations; Coordinates of a vector in ordered basis, Transition matrix.

[2] Chapter 6 [Sections 6.6 (Pages 287 to 291), and 6.7 (Statement of Theorem 6.15 and examples)].

Week 8: Linear transformations: Definition and examples, Elementary properties.

[1] Chapter 5 (Section 5.1). Week 9: The matrix of a linear transformation, Linear operator and similarity.

[1] Chapter 5 [Section 5.2 (Statements of Theorem 5.5 and Theorem 5.6)].

Week 10: Application: Computer graphics, Fundamental movements in a plane, Homogenous coordinates, Composition of movements.

[1] Chapter 8 (Section 8.8).

Week 11: Kernel and range of a linear transformation, Statement of the dimension theorem and examples.

[1] Chapter 5 (Sections 5.3).

Week 12: One to one and onto linear transformations, Invertible linear transformations, isomorphism, isomorphic vector spaces (to \mathbb{R}).

[1] Chapter 5 [Sections 5.4, 5.5 (up to Page 378, Statements of Theorem 5.15, and Theorem 5.16)]

Week 13 and 14: Orthogonal and orthonormal vectors, orthogonal and orthonormal bases, orthogonal complement, statement of the projection theorem and examples. Orthogonal projection onto a subspace. Application: Least square solutions for inconsistent systems, non-unique least square solutions.

[1] Chapter 6 [Sections 6.1 (up to Example 3, Page 416, Statement of Theorem 6.3),

6.2 (up to Page 435, and Pages 439 to 443, and Statement of Theorem 6.12)].

[1] Chapter 8 [Section 8.9 (up to Page 593, Statement of Theorem 8.13)

Facilitating the Achievement of Course Learning Outcomes

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1	Sketch the curves in Cartesian and polar coordinates as well as learn techniques of sketching the conics.	(i) Each topic to be explained with examples. (ii) Students to be involved in discussions and encouraged to ask questions.	<ul style="list-style-type: none">• Student presentations.• Participation in discussions.• Assignments and class tests.
2	Visualize three dimensional figures and calculate their volumes and surface areas	(iii) Students to be given homework/ assignments. (iv) Students to be encouraged to give short presentations.	<ul style="list-style-type: none">• Mid-term examinations.• End-term examinations.
3	Understand limits, continuity and derivatives of functions of several variable and vector-valued functions.		

Keywords:

Cauchy-Schwarz inequality Gauss-Jordan row reduction Basis and dimension of vector spaces, matrix of linear transformations, Orthogonality, Orthonormality, Least square solutions.

GE-2. (D) पटकथा तथा संवाद लेखन (Dept. of Hindi)

इकाई 1- पटकथा- अवधारणा और स्वरूप

इकाई 2- फीचर फिल्म, टीवी धारावाहिक, कहानी एवं डॉक्यूमेंट्री की पटकथा

इकाई 3- संवाद सैद्धांतिकी और संरचना

इकाई 4- फीचर फिल्म, टीवी धारावाहिक, कहानी एवं डॉक्यूमेंट्री का संवाद लेखन

हिंदी विभाग द्वारा दूसरे सेमेस्टर में 'पटकथा तथा संवाद लेखन' को जेनेरिक इलेक्टिव के रूप में पढ़ाया जाता है। यह बीकॉम (ऑनर्स) तथा बीए (ऑनर्स) अर्थशास्त्र के उन सभी विद्यार्थियों के लिए अत्यंत उपयोगी एवं लाभदायक है, जो व्यावहारिक रचनात्मक लेखन करके हिंदी फिल्म तथा टीवी धारावाहिकों के क्षेत्र में नाम और दाम दोनों कमाना चाहते हैं।

हिंदी सिनेमा और टीवी पर सैंकड़ों चैनलों पर प्रसारित होने वाले हजारों धारावाहिकों के लिए पटकथा और संवाद लिखने में सक्षम युवाओं की भारी माँग है। सलीम जावेद, प्रसून जोशी जैसे रचनात्मक लेखक प्रसिद्धि के शिखर पर पहुँचे, यह पाठ्यक्रम विद्यार्थियों को वहीं पर पहुँचाने की क्षमता रखता है। व्यावहारिक रचनात्मक लेखन में रुचि रखने वाले या अनुभव पाने के इच्छुक विद्यार्थियों के लिए यह पाठ्यक्रम एक सुनहरा अवसर प्रदान करेगा। इससे विद्यार्थियों को भविष्य में पैसे के साथ साथ पहचान भी मिल सकती है।

GE-2. (E) WOMEN, POWER AND POLITICS

Course Objective

This course opens up the question of women's agency, taking it beyond 'women's empowerment' and focusing on women as radical social agents. It attempts to question the complicity of social structures and relations in gender inequality. This is extended to cover new forms of precarious work and labour under the new economy.

Course Learning Outcomes

After completing this course the students will be able to:

- Understand the concept of patriarchy, feminism, family, community and state
- Understand the history of women's movement and why these movements emerged, and hence would be able to

connect theory and practice.

Unit 1 Groundings (6 weeks)

1. Patriarchy (2weeks)

- a. Sex-Gender Debates
- b. Public and Private
- c. Power

2. Feminism (2 weeks)

3. Family, Community, State (2weeks)

- a. Family
- b. Community
- c. State

Unit 2 Movements and Issues (6 weeks)

1. History of the Women's Movement in India (2 weeks)

2. Violence against women (2 weeks)

3. Work and Labour (2 weeks)

- a. Visible and Invisible work
- b. Reproductive and care work
- c. Sex work

References

- I. Groundings T. Shinde, (1993) 'Stree Purusha Tulna', in K. Lalitha and Susie Tharu (eds), *Women Writing in India*, New Delhi, Oxford University Press, pp. 221-234
- U. Chakravarti, (2001) 'Pitrasatta Par ek Note', in S. Arya, N. Menon & J. Lokneeta (eds.) *Naarivaadi Rajneeti: Sangharsh evam Muddey*, University of Delhi: Hindi Medium Implementation Board, pp.1-7
- V Geetha, (2002) *Gender*, Kolkata, Stree, pp. 1-20. M. Kosambi, (2007) *Crossing the Threshold*, New Delhi, Permanent Black, pp. 3-10; 40-46.
- N. Menon, (2008) 'Power', in R. Bhargava and A. Acharya (eds), *Political Theory: An Introduction*, Delhi: Pearson, pp.148-157 B.
- Hooks, (2010) 'Feminism: A Movement to End Sexism', in C. Mc Cann and S. Kim (eds), *The Feminist Reader: Local and Global Perspectives*, New York: Routledge, pp. 51-57.
- R. Delmar, (2005) 'What is Feminism?', in W. Kolmar & F. Bartkowski (eds) *Feminist Theory: A Reader*, pp. 27-37
- R. Palriwala, (2008) 'Economics and Patriliney: Consumption and Authority within the Household' in M. John. (ed) *Women's Studies in India*, New Delhi: Penguin, pp. 414-423
- U. Chakravarti, (2003) *Gendering Caste through a Feminist Len*, Kolkata, Stree, pp. 139- 159.
- C. MacKinnon, 'The Liberal State' from *Towards a Feminist Theory of State*, Available at <http://fair-use.org/catharine-mackinnon/toward-a-feminist-theory-of-the-state/chapter-8>, Accessed: 19.04.2013.

II. Movements and Issues

- I. Agnihotri and V. Mazumdar, (1997) 'Changing the Terms of Political Discourse: Women's Movement in India, 1970s-1990s', *Economic and Political Weekly*, 30 (29), pp. 1869-1878.
- R. Kapur, (2012) 'Hecklers to Power? The Waning of Liberal Rights and Challenges to Feminism in India', in A. Loomba *South Asian Feminisms*, Durham and London: Duke University Press, pp. 333-355
- N. Menon, (2004) 'Sexual Violence: Escaping the Body', in *Recovering Subversion*, New Delhi: Permanent Black, pp. 106-165
- P. Swaminathan, (2012) 'Introduction', in *Women and Work*, Hyderabad: Orient Blackswan, pp.1-17

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- J. Tronto, (1996) 'Care as a Political Concept', in N. Hirschmann and C. Stephano, *Revisoning the Political*, Boulder: Westview Press, pp. 139-156.
- Darbar Mahila Samanwaya Committee, Kolkata (2011) 'Why the so-called Immoral Traffic (Preventive) Act of India Should be Repealed', in P. Kotiswaran, *Sex Work*, New Delhi, Women Unlimited, pp. 259-262
- N. Jameela, (2011) 'Autobiography of a Sex Worker', in P. Kotiswaran, *Sex Work*, New Delhi: Women Unlimited, pp. 225-241

Additional Resources:

- K. Millet, (1968) *Sexual Politics*, Available at <http://www.marxists.org/subject/women/authors/millett-kate/sexualpolitics.htm>, Accessed: 19.04.2013.
- S. de Beauvoir (1997) *Second Sex*, London: Vintage. F. Engels, *Family, Private Property and State*, Available at <http://readingfromtheleft.com/PDF/EngelsOrigin.pdf>, Accessed: 19.04.2013.
- S. Brownmiller, (1975) *Against our Wills*, New York: Ballantine.
- N. Menon (2008) 'Gender', in R. Bhargava and A. Acharya (eds), *Political Theory: An Introduction*, New Delhi: Pearson, pp. 224-233
- R. Hussain, (1988) 'Sultana's Dream', in *Sultana's Dream and Selections from the Secluded Ones* – translated by Roushan Jahan, New York: The Feminist Press. S. Ray 'Understanding Patriarchy', Available at http://www.du.ac.in/fileadmin/DU/Academics/course_material/hrge_06.pdf, Accessed: 19.04.2013.
- Saheli Women's Centre, (2007) *Talking Marriage, Caste and Community: Women's Voices from Within*, New Delhi: monograph 114 C. Zetkin, 'Proletarian Woman', Available at <http://www.marxists.org/archive/zetkin/1896/10/women.htm>, Accessed: 19.04.2013.
- J. Ghosh, (2009) *Never Done and Poorly Paid: Women's Work in Globalising India*, Delhi: Women Unlimited Justice Verma Committee Report, Available at <http://nlrd.org/womens-rightsinitiative/justiceverma-committee-report-download-full-report>, Accessed: 19.04.2013.
- N. Gandhi and N. Shah, (1992) *Issues at Stake – Theory and Practice in the Women's Movement*, New Delhi: Kali for Women.
- V. Bryson, (1992) *Feminist Political Theory*, London: Palgrave-MacMillan, pp. 175-180; 196- 200
- M. Mies, (1986) 'Colonisation and Housewifisation', in *Patriarchy and Accumulation on a World Scale* London: Zed, pp. 74-111, Available at <http://caringlabor.wordpress.com/2010/12/29/maria-mies-colonizationand-housewifization/>, Accessed: 19.04.2013.
- R. Ghadially, (2007) *Urban Women in Contemporary India*, Delhi: Sage Publications.
- Saheli Women's Centre (2001) 'Reproductive Health and Women's Rights, Sex Selection and feminist response' in S Arya, N. Menon, J. Lokneeta (eds), *Nariwadi Rajneeti*, Delhi, pp. 284- 306
- V. Bryson (2007) *Gender and the Politics of Time*, Bristol: Polity Press
- Readings in Hindi: D. Mehrotra, (2001) *Bhartiya Mahila Andolan: Kal, Aaj aur Kal*, Delhi: Books for Change

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- G. Joshi, (2004) Bharat Mein Stree Asmaanta: Ek Vimarsh, University of Delhi: Hindi Medium Implementation Board
- N. Menon (2008) 'Power', in R. Bhargava and A. Acharya (eds) Political Theory: An Introduction, New Delhi: Pearson
- N. Menon (2008) 'Gender', in R. Bhargava and A. Acharya (eds) Political Theory: An Introduction, New Delhi, Pearson R.
- Upadhyay and S. Upadhyay (eds.) (2004) Aaj ka Stree Andolan, Delhi: Shabd Sandhan.
- मेनन, निविदता, साधना आयारऔर िजनी लोकनीता (ed.), नारीवादी राजनीतः संघषरएवं मुदे, िदलीः िहं दी माधम कायरनय िनदेशालय,2001.

Teaching Learning Process

The teaching-learning process for this course would involve class lectures, class discussion, class presentation, debates on contemporary issues and relevant cases. Teaching would also involve methods like power point and film screening.

Assessment Methods

Students will be assessed at different stages during the course learning process. After completing every unit they will be asked to take part in group discussions on any one important event or issue relevant for that unit. They will also do one presentation and one assignment.

Keywords

patriarchy, feminism, family, community, power, state, movement

GE - 2(F OBESITY MANAGEMNET

PART A: THEORY

Duration: 2 Hrs

Unit – I : Obesity & Its Assessment

- 1.1 Concept and Causes Of Obesity
- 1.2 Health Risks Associated with Obesity
- 1.3 Assessment of Obesity- Body Mass Index (BMI), Waist-Hip Ratio, Skinfold Thickness (Abdomen, Triceps, thigh, Supra-iliac)

Unit – II: Management of Obesity through Diet

- 2.1 Nutrition and Balance Diet
- 2.2 Dietary Aids and Gimmicks
- 2.3 Obesity and Weight Management through Diet

Unit – III: Weight Management through physical activities and Behaviour modification

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- 3.1 importance of maintaining Healthy Weight; Weight Management and Energy Balance
 - 3.2 Principles of weight management; Aerobics & anaerobic activities
 - 3.3 Behaviour Modifications technique for weight management

PART B : PRACTICAL

Maximum Marks: 25

- 1 Use BMI to identify the actual body weight status and desirable body weight status of at least ten students.
- 2 Calculate BMR and Waist-Hip ratio of at least ten students.
- 3 Measurement of Body Composition for calculating body fat and lean body mass.

Assessment of Practical

Practical (Demonstration/ Performance)	:	10 Marks
Viva	:	10 Marks
Record Book all topic of practical	:	05 Marks

PART C: INTERNAL ASSESSMENT

Presentation / Written Test	:	10 Marks
Project / Assignment	:	10 Marks
Attendance	:	05 Marks

MARKING SCHEME: THEORY = 50 Marks, Practical = 25 Internal Assessment = 25 Marks

SEMESTER CREDITS FOR THE PAPER = 6 CREDITS

- Each period will be of one hour.
- 4 theory periods per week semester = 4 credits
- 4 Practical periods per week per semester = 2 credits

INSTRUCTIONS TO THE EXAMINERS

- The examiners will set nine questions (eight descriptive and one short notes containing three options whereby, a student has to attempt any two) equally distributed throughout the entire syllabus.
- The students will be required to attempt any five questions.
- Each question will carry ten marks.

SUGGESTED READING

- 1 Auspaugh, D.J., Hamrick, M.H., & Rosato, F.D.(2006). Wellness: Concepts and applications. Mc Graw-Hill Companies.
- 2 Caliendo, M.A. (1981). Nutrition and Prevention health care. Macmillan.

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- 3 Hales, D. (2006). An invitation to health. Cengage Learning.
 - 4 Hoeger, W W.K. & Hoeger, S.A.(2007). Fitness & Wellness.Belmont,USA:Thomson Wadsworth
 - 5 Howley, E.T., & Franks, B.D.(1986)Health/Fitness Instructor’s Handbook. Human kinetics Publishers, Inc, Marketing Director, Box 5076, Champaign, IL.
 - 6 Kansal D.K. (2012). Test Measurement and Evaluation. Sports Spiritual Science Publications, New Delhi.
 - 7 Kumari, S.S., Rana, A., & Kaushik, S. (2008). Fitness, Aerobics & Gym Operations. New Delhi: KhelSahitya Kendra.
 - 8 Sharma K.et al (2014), Fitness Aerobics & Gym Operation, Jyoti Enterprises, Delhi.
 - 9 Tiwari S.(1999). Exercise Physiology, Sports Publications, Delhi.

**GE-3. (A) DATA ANALYSIS
OR MONEY & BANKING
OR INDIAN ECONOMY I OR ECONOMIC HISTORY OF INDIA
(Only for B.Com. (H) Students)**

DATA ANALYSIS

Course Objective

This is a skill enhancement course for data analysis. The students will be given hands on training on using statistical and computing software to better visualize and understand data concepts. The course is to be delivered through 2 classroom lectures and 4 computer lab classes per week.

Course Learning Outcomes

The course will use data simulations and publicly available data sources to help students learn about data types, their organization and visual representation. They will learn how to compute summary statistics and do some basic statistical inference.

Unit 1

Introduction to the course: How can the representation and analysis of data help us study real-world problems. Publicly available data sets

Unit 2

Using Data: Available statistical software, steps in data storage, organization and

cleaning

Unit 3

Visualization and Representation: Alternative forms of presenting summarizing and presenting data

Unit 4

Simple estimation techniques and tests for statistical inference

References

1. Levine, D., Stephan, D., Szabat, K. (2017). Statistics for managers using Microsoft Excel, 8th ed. Pearson.
2. Tattar, P., Ramaiah, S., Manjunath, B. (2018). A course in statistics with R. Wiley.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Data representation, statistical software, estimation

MONEY AND BANKING

Course Objective

This course highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Learning Outcomes

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy.

Unit 1

Money Concept, functions, measurement; theories of money supply determination

Unit 2

Financial institutions, markets, instruments and financial innovations Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises Money and capital markets: organisation, structure and reforms in India; role of financial derivatives and other innovations

Unit 3

Interest rates Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India

Unit 4

Banking system Balance sheet and portfolio management. Indian banking system: Changing role and structure; banking sector reforms.

Unit 5

Central banking and monetary policy Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India

References

1. Bhole, L., Mahukud, J. (2017). Financial institutions and markets, 6th ed. Tata McGraw-Hill.
2. Fabozzi, F., Modigliani, F., Jones, F., Ferri, M. (2010). Foundations of financial markets and institutions, 4th ed. Pearson Education.
3. Khan, M. (2015). Indian financial system, 9th ed. Tata McGraw-Hill.
4. Mishkin, F., Eakins, S. (2017). Financial markets and institutions, 8th ed. Pearson.
5. Various latest issues of RBI Bulletins, Annual Reports, Reports on Currency and Finance, and Reports of the Working Group, IMF Staff Papers.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Money, financial institutions, financial innovations, interest rate, banking, monetary policy

INDIAN ECONOMY I

Course Objective

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post-independence period.

Course Learning Outcomes

This course will help students understand the key issues related to the Indian economy. It will broaden their horizons and enable them to analyze current economic policy thus improving their chances of getting employed, and be more effective, in positions of responsibility and decision making.

The course also serves as the base for further study of sector specific policy discussion that is pursued in the course in the next semester.

Unit 1

Issues in Growth, Development and Sustainability

Unit 2

Factors in development: Capital formation (physical and human); technology; institutions

Unit 3

Population and economic development: Demographic trends; urbanisation

Unit 4

Employment: Occupational structure in the organised and unorganised sectors; open-, under- and disguised- unemployment (rural and urban); employment schemes and their impact

Unit 5

Indian development experience: Critical evaluation of growth, inequality, poverty and competitiveness, pre- and post- reform eras

References

Given the current nature of the course, the readings will be updated every year. Selected chapters will be prescribed from:

1. Agrawal, P. (ed.) (2018). *Sustaining high growth in India*, Cambridge University Press.
2. Balakrishnan, P. (2007). The recovery of India: Economic growth in the Nehru era. *Economic and Political Weekly*, 42(45-46), 52-66.
3. Bloom, D. (2012). Population dynamics in India and implications for economic growth. In C. Ghate (ed.): *The Oxford handbook of the Indian economy*. Oxford University Press.
4. Case, K., Fair, R. (2007). *Principles of economics*, 8th ed. Chapter 31. Pearson.
5. Dreze, J., Sen, A. (2013). *India: An uncertain glory*. Allen Lane.
6. Kapila, U. (2009). *Economic development and policy in India*. Academic Foundation.
7. Kapila, U. (2015). *Indian economy since independence*, 26th ed. Academic Foundation.
8. Mehrotra, S. (2015). *Realising the demographic dividend Policies to achieve inclusive growth in India*. Cambridge University Press.
9. Ministry of Finance. *Economic survey* (latest)
10. Ministry of Finance. *Finance commission report* (latest)
11. Mohan, R. (2014). *Pressing the Indian growth accelerator: Policy imperatives*. IMF papers.
12. Todaro, M., Smith, S. (2011). *Economic development*, 11th ed. Pearson.
13. United Nations Development Programme. (2010). *Human development report 2010*. Palgrave Macmillan.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Indian economic development, government policy

ECONOMIC HISTORY OF INDIA

Course Objective

This course analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the mechanisms that linked economic development in India to the compulsions of colonial rule.

Course Learning Outcomes

The course exposes the students to understanding the intricacies of India's economic, political and social developments both in the past and present times. It develops analytical skills, and will be useful in a variety of careers in academics, research, journalism, private sector and government.

Unit 1

Colonial India: Background and introduction

Unit 2

Macro trends in national income, population, labour and occupational structure

Unit 3

Agriculture, agrarian structure and land relations

Unit 4

Railways and industry

Unit 5

Economy and state in the imperial context

References

Some readings may be updated from year to year.

1. Chatterjee, B. (1992). Trade, tariffs and empire. Oxford University Press.
2. Chaudhary, L., Gupta, B., Roy, T., Swami, A. (eds.) (2016). A new economic history of colonial India. Chapters 4, 7, 9. Routledge.
3. Guha, S. (1991). Mortality decline in early 20th century India. Indian Economic and Social History Review, 28(4), 371-87.
4. Habib, I. (2006). Indian economy 1858-1914: A people's history of India. Chapter

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3. Tulika.
 5. Klein, I. (1984). When rains fail: Famine relief and mortality in British India. *Indian Economic and Social History Review*, 21 (2), 185-214.
 6. Kumar, D. (ed.) (1982). *Cambridge economic history of India, c.1751-c.1970* 2. Chapters 8, 12. Orient Longman.
 7. Morris, M. (1965). *Emergence of an industrial labour force in India*. Chapter 11. Oxford University Press.
 8. Parthasarathy, P. (2011). *Why Europe grew rich and Asia did not: Global economic divergence, 1600-1850*. Chapters 2, 8. Cambridge University Press.
 9. Parthasarathi, P. (2009). Historical issues of deindustrialization in nineteenth century South India. In T. Roy, G. Riello (eds.): *How India clothed the world: The world of South Asian textiles, 1500-1850*. Brill.
 10. Roy, T. (2018). *A business history of India: Enterprise and the emergence of capitalism from 1700*. Chapters 4, 5. Cambridge University Press.
 11. Roy, T. (2011). *The economic history of India 1857-1947*, 3rd ed. Chapters 3, 11. Orient Longman.
 12. Subramanian, L. (2010). *History of India 1707-1857*. Chapter 4. Orient Blackswan.
 13. Tomlinson, B. (1975). India and the British Empire 1880-1935. *The Indian Economic and Social History Review*, 12(14), 337-380.
 14. Washbrook, D. (2012). The Indian economy and the British empire. In D. Peers, N. Gooptu (eds.): *India and the British empire*. Oxford University Press.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Colonial India, agriculture, industry, demograph

GE-3. (A) : INVESTING IN STOCK MARKETS OR FUNDAMENTALS OF MARKETING

(Only for B.A. (H) Economics Students)

INVESTING IN STOCK MARKETS

Course Objective

To equip students with the basic skills required to operate in stock market. Course Learning Outcomes After completing the course, the student shall be able to:

CO1: learn the basics of investing in stock market, the investment environment as

well as risk & return

CO2: analyze indian securities market including the derivatives market

CO3: examine EIC framework and conduct fundamental analysis

CO4: perform technical analysis

CO5: invest in mutual funds market

Course Contents

Unit-I: Basics of Investing

Basics of Investment & Investment Environment. Risk and Return, Instruments of Investment - Equity shares, Preference shares, Bonds and Debentures. Indian Security Markets: Primary Markets (IPO, FPO, Private placement, Offer for sale), Secondary Markets (cash market and derivative market: Futures and Options) Market Participants: Stock Broker, Investor, Depositories, Clearing House, Stock Exchanges. Role of stock exchange, Stock exchanges in India: BSE, NSE, MSEI. Security Market Indices: Nifty & Sensex, Sources of financial information. Trading in securities: types of orders, using brokerage and analyst recommendations.

Unit II: Indian Security Markets

Primary Markets (IPO, FPO, Private placement, Offer for sale), Secondary Markets (cash market and derivative market: Futures and Options) Market Participants: Stock Broker, Investor, Depositories, Clearing House, Stock Exchanges. Role of stock exchange, Stock exchanges in India: BSE, NSE, MSEI. Security Market Indices: Nifty & Sensex, Sources of financial information. Trading in securities: types of orders, using brokerage and analyst recommendations.

Unit III: Fundamental Analysis

Top down and bottom up approaches, Analysis of international & domestic economic scenario, Industry analysis, Company analysis (Quality of management, financial analysis :Both Annual and Quarterly, Income statement analysis, position statement analysis including key financial ratios, Cash flow statement analysis, Industry market ratios: PE, PEG, Price over sales, Price over book value, EVA), Understanding Shareholding pattern of the company.

Unit-IV: Technical Analysis

Trading rules (credit balance theory, confidence index, filter rules, market breath, advances vs declines and charting (use of historic prices, simple moving average and MACD) basic and advanced interactive charts. Do's & Don'ts of investing in markets.

Unit-V: Investing in Mutual Funds

Concept and background on Mutual Funds: Advantages, Disadvantages of investing in Mutual Funds, Types of Mutual funds: Open ended, close ended, equity, debt, hybrid, money market, and entry load vs. exit load funds. Factors affecting choice of mutual funds. CRISIL mutual fund ranking and its usage, calculation and use of Net Asset Value.

References

- Kumar, Vinod and Nangia, Raj Sethi, Investing in Stock Markets, Ane books
- Singh J K , Singh Amit Kumar, Investing in Stock Markets, A K Publications,

Delhi.

- Tripathi, Vanita and Pawar, Neeti (2019), Investing in Stock Market, Taxmann Publications.

Additional Resources

- Aswath, Damodaran, Investment Validation Tools and Technique for Determining Mutual Funds, John Wiley & Sons
- Chandra, Prasanna. Investment Analysis and Portfolio Management, Tata McGraw Hill
- Gurman and Jochnk, Fundamentals of Investing, Pearworth
- Madura, Jeff, Personal Finance, Pearson

Note: Latest edition of text books may be used.

Teaching Learning Process

As the course is designed To equip students with the basic skills required to operate in stock market the teaching learning process will be based on lectures, seminars, workshops, project work and cases studies

Assessment Methods

The assessment of the students must be aligned with the course learning outcomes and requires Class Participation, Class Test, Assignment, Project Work, End Semester Examination

Keywords

Investments, Indian Securities Market, Primacy Market, Secondary Market, Derivatives market, EIC Framework, Fundamental Analysis.

HUMAN RESOURCE MANAGEMENT

Course Objective

The course aims to sensitize the students with various facets of managing people in the organisations from the stage of acquisition to development and retention and to create an understanding of various policies and practices of human resource management.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand different tools used in forecasting and planning human resource needs.

CO2: demonstrate the ability to prepare a selection strategy for a specific job.

CO3: understand the significance of different methods of performance appraisal.

CO4: recommend actions based on results of the compensation analysis and design compensation schemes that are cost effective, that increase productivity of the work force, and comply with the legal framework.

CO5: understand modern HRM to meet the challenges of changing business environment.

Course Contents

Unit I: Introduction

Human resource management—meaning, scope, functions and importance; Role and responsibilities of HR managers; Human resource planning—meaning, objectives, problems of HRP; Job analysis—meaning and process evaluation of factors affecting HRP, methods of data collection; Job description and specification; Job design- concept, factors affecting and methods/techniques.

Unit II: Recruitment, Selection and Development

Recruitment—meaning, process and sources (internal and external), factors affecting recruitment; Selection—meaning and process; an introduction to placement, induction, socialization; an overview of training and development; Training need analysis, methods of training, career development; Emerging trends in recruitment, selection, and development.

Unit III: Performance Appraisal

Performance appraisal—nature, objectives, process and methods (traditional and modern); Employee counseling; Job changes- transfers, promotions, and separations; Human resource audit.

Unit IV: Compensation Management and Employee Maintenance

Job evaluation; Compensation—concept, components—base and supplementary (fringe benefits, performance linked compensation—individual, group, organisation wide); Employee health, safety, welfare and social security (excluding legal provisions); Grievance handling and redressal.

Unit V: Emerging Issues in HRM

Emerging horizons posing challenges for HRM in the contemporary business environment—workforce diversity, employee empowerment, downsizing, work-life balance, e- HRM, greenHRM, outsourcing HRM, ethics in HRM (surveillance vs. privacy); International HRM- concept, importance and models; Challenges of international HR managers; Global HR practices.

References

- Awasthappa, K. Human Resource Management. Tata McGraw Hill Education.
 - Decenzo, D. A., & Robbins, S. P. (2011). Fundamentals of Human Resource Management . India: Wiley.
- Dessler, G. (2017). Human Resource Management. Pearson.
 - Haldar, U., & Juthika, S. (2012). Human Resource Management (1st edition). Oxford University Press.
- Lynton, R., & Pareek, U. Training for Development. New Delhi: Vistaar.
 - Mejjia, L. R., Balkin, D. B., & Cardy, R. L. (2012). Managing Human Resources (7th edition). PHI learning private limited.
 - Muller-Camen, M., Croucher, R., & Leigh, S. (2016). Human Resource Management: A Case Study Approach . CIPD. Viva Books.

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- Pattanayak, B. (2018). Human Resource Management. Delhi. Prentice Hall of India.
 - Rao, V. Human Resource Management: Text and Cases. Excel.
 - Rastogi, S. Management of Human Resources. Sun India. Latest editions of the books may be used.

Teaching Learning Process

Interactive class room sessions with the help of power point presentations, case discussions and group discussions to ensure active participation and continuous learning.

Assessment Methods

Class tests/Assignments, Class participation, Presentations, End-semester examination

Keywords

Human Resource Planning, Job Analysis, Recruitment, Selection, Job Changes, Employee Health, International HRM.

FUNDAMENTALS OF MARKETING

Course Objective

The objective of this course is to provide basic knowledge of concepts, principles, tools and techniques of marketing.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: learn the basic concepts and principles of marketing and to develop their conceptual skill to be able to manage marketing operations of a business firm.

CO2: understand the complexities involved in various targeting and positioning decisions.

CO3: take effective decisions for launching new products and to understand the implications of different pricing strategies. CO4: develop the skills to design the promotion-mix strategies

CO5: familiarize about the current trends in marketing to take proactive measures while taking marketing decisions

Course Contents

Unit I: Introduction

Marketing: Meaning, Nature, Scope and Importance; Marketing Philosophies; Marketing Mix; Marketing Environment- Concept and need for studying marketing environment; Micro environmental factors- company, suppliers, marketing intermediaries, customers, competitors, publics; Macro environmental factors– demographic, economic, natural, technological, politicolegal and socio-cultural.

Unit II: Consumer behaviour and Market Selection

Need for studying consumer behaviour; Stages in Consumer buying decision process; Factors influencing consumer buying decisions. Market Segmentation- concept, importance, levels and bases of segmenting consumer markets. Market Targeting- concept and factors affecting the choices for market targeting. Product Positioning- concept and bases. Product differentiation concept and bases.

Unit III: Product and Pricing Decisions

Concept and classification; Levels of Product; Product-mix dimensions; Branding- concept, functions and qualities of good brand name; Packaging and Labeling- concept and functions; Product support services; New product development process. Concept and objectives of pricing decisions; Factors affecting price of a product; Pricing methods; Pricing strategies.

Unit IV: Distribution and promotion Decisions

Channels of distribution- meaning and importance; types of distribution channels and their functions; Factors affecting choice of distribution channel; Distribution logistics- concept, importance and major logistics decisions. Wholesaling and retailing. Nature and Importance of Promotion; Promotion mix concept and distinctive characteristics of advertising, personal selling, sales promotion, public relations, publicity and direct marketing; Factors influencing promotion mix decisions.

Unit V: Developments in Marketing

Relationship Marketing; Sustainable Marketing; Rural marketing; Social marketing; Digital marketing; Legal Issues in marketing- The Consumer Protection Act, 1986; Ethical issues in marketing.

References

- Kotler, P., Armstrong, G. and Agnihotri, P. (2018). Principles of Marketing (17th edition) Pearson Education. Indian edition.
- Sharma, K., & Swati Aggarwal. (2018). Principles of Marketing. Taxmann's.
- The Consumer Protection Act, 1986. Additional Resources
- Etzel, M. J., Walker, B. J., Stanton, W. J., & Pandit, A. (2010). Marketing (14th ed.). Mc Graw Hill.
- Grewal, D. & Levy, M. (2017). Marketing (5th ed.). McGraw-Hill Education.

Note: Latest editions of the books may be used.

Teaching Learning Process

The teaching learning process includes lectures, case study discussions, individual and group presentations and projects.

Assessment Methods

The assessments methods of the course include class tests, assignments, project evaluations and class presentations.

Keywords

Target Market, Product, Price, Distribution, Promotion, Segmentation, Targeting,

GE 3(B) MEDIA AND COMMUNICATION SKILLS

Course Objectives

This is an introductory course in the role of media today – India and globally. It will equip students with the basic theories on various aspects of media and impart training in basic writing skills required in the profession.

Facilitating the Achievement of Course Learning Outcomes

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1.	Understanding concepts		Interactive discussions in small groups in Tutorial classes
2.	Expressing concepts through writing		How to think critically and write with clarity
3.	Demonstrating conceptual and textual understanding in tests and exams		Discussing exam questions and answering techniques

Course Contents

Unit 1

Introduction to Mass Communication

- a) Mass Communication and Globalization
- b) Forms of Mass Communication

Topics for Student Presentations:

- a) Case studies on current issues Indian journalism
- b) Performing street plays
- c) Writing pamphlets and posters etc.

Unit 2

Advertisement

- a) Types of advertisements

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- b) Advertising ethics
 - c) How to create advertisements/storyboards

Topics for Student Presentations:

- a) Creating an advertisement/visualization
- b) Enacting an advertisement in a group
- c) Creating jingles and taglines

Unit 3

Media Writing

- a) Scriptwriting for TV and Radio
- b) Writing News Reports and Editorials
- c) Editing for Print and Online Media

Topics for Student Presentations:

- a) Script writing for a TV news/panel discussion/radio programme/hosting radio programmes on community radio
- b) Writing news reports/book reviews/film reviews/TV program reviews/interviews
- c) Editing articles
- d) Writing an editorial on a topical subject

Unit 4

Introduction to Cyber Media and Social Media

- a) Types of Social Media
- b) The Impact of Social Media
- c) Introduction to Cyber Media

Essential Reading

Kumar, Keval J. Mass Communication in India. Jaico Publications, 1994.

Suggested Readings

Media and Mass Communication:

Joseph, M. K. Outline of Editing. New Delhi: Anmol Publications, 2002.

Kamath, M. V. Professional Journalism. New Delhi: Vikas Publishing House, 1980.

Macquail, Denis. Mass Communication. New Delhi: Om Books, 2000.

Saxena, Ambrish. Fundamentals of Reporting and Editing. New Delhi: Kanishka Publishers, 2007.

Television Journalism:

Boyd, Andrew. Broadcast Journalism: Techniques of Radio and Television News
2000 Burlington: Focal Press 6 edition, 2009.

Carroll, Brian. Writing for Digital Media. Taylor & Francis, 2010.
Cushion, Stephen. Television Journalism. Sage Publications, 2012.
Feldman, Tony. An Introduction to Digital Media. Taylor & Francis, 2004.

Teaching plan

Week 1: Introduction to mass communication and media
Week 2: Unit 1 – Mass Communication and globalization
Week 3: Unit 1 contd -- Forms of mass communication
Week 4: Unit 2 – Forms of advertisement
Week 5: Unit 2 – contd
Week 6: Unit 2 – contd
Week 7: Unit 3 – Media writing
Week 8: Unit 3 – Media writing contd
Week 9: Unit 3 – Media writing contd
Week 10: Unit 3 – Media writing contd
Week 11: Unit 4 – Introduction to cyber media
Week 12: Unit 4 – Introduction to cyber media contd
Week 13: Class presentations
Week 14: Concluding lectures and exam preparations

Keywords

Mass media
Globalisation
Development journalism
Print
Audio-visual
Advertising
Social Media
Writing skills

GE-3. (C) GE-3: Linear Programming and Game Theory (Dept. of Mathematics)

Course Objective: This course develops the ideas underlying the Simplex method computational techniques for linear programming and game theory, having

applications in management, social science, industry, warfare, economics and financial sectors, etc.

Course Learning Outcomes: This course will enable the students to learn:

- i) The optimal solution for linear optimization problems subject to certain constraints.
- ii) The dual to a production problem with profits to be maximized to keep total cost down.
- iii) The transportation and Hungarian algorithm specially designed to solve the transportation and assignment problems, respectively.
- iv) The strategies for two-person, zero-sum game are obtained by solving two dual linear programming problems.

Course Contents:

Unit 1. Linear Programming Problem, Simplex Method and Duality

Introduction to Linear Programming Problem: Graphical method of solution, Basic Feasible Solutions, Linear programming and convexity; Introduction to the Simplex method: Theory of the Simplex method, Optimality and unboundedness; The Simplex tableau and examples, Artificial variables; Introduction to Duality, Formulation of the Dual problem with examples and interpretations, The Duality theorem.

Unit 2. Transportation and Assignment Problems

Definition and mathematical formulation of Transportation problem, Methods of finding initial basic feasible solutions, North West corner rule, Least- cost method, Vogel's approximation method, Algorithm for solving Transportation problem; Mathematical formulation and Hungarian method of solving Assignment problem.

Unit 3. Two-Person, Zero-Sum Games

Introduction to Game theory, Formulation of two-person, Zero-sum rectangular game, Solution of rectangular games with saddle points, Mixed strategies, Dominance principle, Rectangular Games without saddle points, Graphical and linear programming solution of rectangular games.

References:

1. Taha, Hamdy A. (2010). Operations Research: An Introduction (9th ed.). Pearson.
2. Thie, Paul R., & Keough, G. E. (2014). An Introduction to Linear Programming and Game Theory. (3rd ed.). Wiley India Pvt. Ltd.

Additional Readings:

1. Hadley, G. (1997). Linear Programming. Narosa Publishing House. New Delhi.
2. Hillier, F. S., & Lieberman, G. J. (2010). Introduction to Operations Research- Concepts and Cases (9th ed.). Tata McGraw Hill.
3. Kolman, B. and Hill, D.R. (2003). Introductory Linear Algebra with Applications. (7th ed.). Pearson Education. First Indian Reprint 2003.

Teaching Plan (GE-3: Linear Programming and Game Theory):

Week 1: Introduction to Linear Programming Problem: Graphical method of solution, Basic Feasible Solutions, Linear programming and convexity.

[2] Chapter 2 (Section 2.2), and Chapter 3 (Sections 3.1, 3.2, and 3.9).

Weeks 2 and 3: Introduction to the Simplex method: Theory of the Simplex method, Optimality and unboundedness.

[2] Chapter 3 (Sections 3.3, and 3.4).

Weeks 4 and 5: The Simplex tableau and examples, Artificial variables.

[2] Chapter 3 (Sections 3.5, and 3.6).

Weeks 6 and 7: Introduction to Duality, Formulation of the Dual problem with examples and Interpretations, Statement of the Duality theorem with examples.

[2] Chapter 4 (Sections 4.1 to 4.4).

Weeks 8 and 9: Definition and mathematical formulation of Transportation problem, Methods of finding initial basic feasible solutions, North West corner rule, Least-cost method, Vogel's approximation method, Algorithm for solving Transportation problem.

[1] Chapter 5 (Sections 5.1, and 5.3) Week 10: Mathematical formulation and Hungarian method of solving Assignment problem. [1] Chapter 5 (Section 5.4)

Weeks 11 and 12: Introduction to Game theory, Formulation of two-person, Zero-sum rectangular game, Solution of rectangular games with saddle points.

[2] Chapter 9 (Sections 9.1 to 9.3)

Weeks 13 and 14: Mixed strategies, Dominance principle, Rectangular games without saddle points, Graphical and linear programming solution of rectangular games.

[2] Chapter 9 (Sections 9.4 to 9.6)

GE-3. (D) हिंदी कहानी (Dept. of Hindi)

इकाई 1

1. उसने कहा था - चंद्रधर शर्मा गुलेरी
2. पूस की रात - प्रेमचंद
3. छोटा जादूगर - जयशंकर प्रसाद

इकाई 2

1. पाजेब - जैनंदर कुमार
2. तीसरी कसम - फणीश्वर नाथ रेणु
3. चीफ की दावत - भीष्म साहनी

इकाई 3

1. परिदे - निर्मल वर्मा
2. दोपहर का भोजन - अमरकांत
3. सिक्का बदल गया - कृष्णा सोबती

इकाई 4

1. जंगल जातकम - काशी नाथ सिंह
2. वापसी - उषा पिरयंबदा
3. घुसपैठिए - ओम प्रकाश

तीसरे सेमेस्टर में हिंदी विभाग द्वारा 'हिंदी कहानी' को जेनेरिक इलेक्टिव के रूप में पढ़ाया जाएगा। इसके अंतर्गत हिंदी साहित्य की चुनी हुई 12 श्रेष्ठ कहानियों के माध्यम से कहानी की व्याख्या एवं समीक्षात्मक प्रश्न हल करने का अभ्यास करवाया जाता है।

कहानी छोटे बच्चों से लेकर बड़ों तक, सभी को अच्छी लगती है। यह पाठ्यक्रम बीकॉम (ऑनर्स) तथा बीए (ऑनर्स) अर्थशास्त्र के उन सभी विद्यार्थियों के लिए उपयोगी है, जो खेल में मनोरंजक ढंग से पढ़ाई करना चाहते हैं। इस पाठ्यक्रम का अध्ययन करके विद्यार्थी अपनी कहानी-लेखन क्षमता को विकसित कर सकते हैं। पाठ्यक्रम में निर्धारित 12 कहानियाँ जीवन के विविध पक्षों को समझने, सामाजिक समस्याओं के प्रति संवेदनशील बनने तथा एक अच्छा इंसान बनने में मदद करती हैं।

GE-3. (E) CONTEMPORARY POLITICAL ECONOMY (Dept. of Political Science)

Course Objective

Given the growing recognition worldwide of the importance of the political economy approach to the study of global order, this

course has the following objectives:

- To familiarize the students with the different theoretical approaches
- To give a brief overview of the history of the evolution of the modern capitalist world;
- To highlight the important contemporary problems, issues and debates on how these should be addressed.

Course Learning Outcomes

- The students will learn about diverse approaches to international political economy.
- The study of role of international organization in transforming the world economy will equip the students to understand the process of evolution of capitalism.

Insights into issues and contentions of development and perspectives on globalization will augment students' ability to assess its impact on culture, environment, militarysecurity dimensions and traditional knowledge systems.

- The paper will enable students to comprehend contemporary dilemmas in the sociopolitical, gender and ethnic domains.

Unit 1

Approaches to Political Economy (15 Lectures)

- a) Classical Liberalism
- b) Marxism
- c) Welfarism

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- d) Neo-liberalism
 - e) Gandhian approach

Unit 2

Capitalist Transformation (14 Lectures)

- a) European Feudalism and Transition to Capitalism
- b) Globalization: Transnational Corporations, World Trade Organization, International Nongovernmental Organizations (their role in development)

Unit 3

Issues in Development (15 Lectures)

- a) Culture
- b) Environment
- c) Knowledge Economy

Unit 4

Globalization and Development Dilemmas (16 Lectures)

- a) Artificial Intelligence
- b) Gender
- c) Racial and Ethnic Problems
- d) Migration

References

- Arblaster, A. (2006) 'The Rise and Decline of Western Liberalism' in Lal, D. Reviving the Invisible Hand: The Case for Classical Liberalism in the Twenty-first Century. Princeton: Princeton University Press, pp. 1- 8, 17- 30, and 48- 51. Mandel, E. (1979) An Introduction to Marxist Economic Theory. New York: Pathfinder Press, 3rd print, pp. 3-73. Kersbergen, K.V. and Manow, P. (2009) Religion, Class Coalition and Welfare
- State. Cambridge: Cambridge University Press, chapters 1 and 10, pp. 1-38; 266-295
- Andersen, J. G. (ed.) (2008) 'The Impact of Public Policies' in Caramani, D Comparative Politics. Oxford: Oxford University Press, ch 22, pp. 547- 563 .
- Harvey, D. (2005) A Brief History of Neo-liberalism. Oxford: Oxford University Press, pp. 1- 206.
- Ghosh, B.N. (2007) Gandhian Political Economy: Principles, Practice and Policy. Ashgate Publishing Limited, pp. 21- 88.
- Phukan, M. (1998) The Rise of the Modern West: Social and Economic History of Early Modern Europe. Delhi: Macmillan India, pp. 420- 440.
- Gilpin, R. (2003) Global Political Economy: Understanding the International Economic Order, Princeton University Press, pp. 278- 304.
- Kennedy, P. (1993) Preparing for the Twenty – First Century. UK: Vintage, Ch. 3

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- Prasad, K. (2000) NGOs and Social-economic Development Opportunities. New Delhi: Deep & Deep, ch. 1, 2, 3, 5.
- Fisher, J. (2003) Non-governments – NGOs and the Political Development in the Third World. Jaipur: Rawat, ch. 1, 4, 6.81
- Media and Television Mackay, H. (2004) ‘The Globalization of Culture’ in Held, D. (ed.) A Globalizing World? Culture, Economics and Politics. London: Routledge, pp. 47- 84.
- Tomlinson, J. (2004) ‘Cultural Imperialism’ in Lechner, F. J and Boli, J. (eds.) The Globalization Reader. Oxford: Blackwell, pp. 303- 311.
- Lechner, F. J and Boli, J. (eds.) (2004) The Globalization Reader. Oxford: Blackwell, pp. 361- 376 and 398- 404.
- Held, D. and Mcrew, A. (eds.) (2000) The Global Transformations Reader. Cambridge: Polity Press, pp. 374- 386.
- Singh, S. (1997) Taming the Waters: The Political Economy of Large Dams in India. New Delhi: Oxford University Press, pp. 133- 163, 182- 203, 204- 240.
- Kesselman, M. (2007) The Politics of Globalization. Boston: Houghton Mifflin Company, pp. 330- 339.
- Marglin, S. (1990) ‘Towards the Decolonisation of the Mind’ in Marglin, S. and Marglin, F. A. (eds.) Dominating Knowledge: Development, Culture and Resistance. Oxford: Oxford University Press, pp. 1- 28.
- L. Lechner, F. J and Boli, J. (eds.) (2004) The Globalization Reader. Oxford: Blackwell, pp. 211- 244.
- Held, D. and Mcrew, A. (eds.) (2000) The Global Transformations Reader. Cambridge: Polity Press, pp. 105-155.
- Omahe, K. (2004) ‘The End of the Nation State’, L. Lechner, F. J and Boli, J. (eds.) The Globalization Reader. Oxford: Blackwell. Glen, J. (2007) Globalization: North-South Perspectives. London: Routledge, ch.6.
- Sen, A. (2006) Identity and Violence: Illusion and Destiny. London: Penguin/Allen Lane, pp. 130-148.
- Berkovitch, N. (2004) ‘The Emergence and Transformation of the International Women’s Movements’ in L. Lechner, F. J and Boli, J. (eds.) The Globalization Reader. Oxford: Blackwell, ch.31, pp. 251- 257.
- Stans, J. (2000) ‘The Gender Dimension’ in Held, D. and Mcrew, A. (eds.), The Global Transformations Reader. Cambridge: Polity Press, ch.35, pp. 366- 373.
- Tickner, J. A. (2008) ‘Gender in World Politics’ in Baylis, J., Smith, S. & Owens, P. (eds.) Globalization of World Politics, 4th edn., New Delhi: Oxford University Press, ch.15.
- Arya, S. and Roy, A. (eds.) Poverty Gender and Migration. New Delhi: Sage, Ch. 1.
- Kesselman, M. (2007) The Politics of Globalization. Boston: Houghton Mifflin Company, pp. 450- 462.
- Nayyar, D. (ed.) (2002) Governing Globalization. Delhi: OUP, pp. 144- 176.

Additional Resources:

Classic Readings

Robert Gilpin, (1987) *The Political Economy of International Relations*, Princeton: Princeton University Press.

Susan Strange (1989), *Paths to International Political Economy*, London: Routledge. Additional Readings

Gelinas, J. B. (2003) *Juggernaut Politics- Understanding Predatory Globalization*. Halifax, Fernwood. Available from: www.globalpolicy.org

Teaching Learning Process

The course titled 2. Contemporary Political Economy under Generic Elective (Interdisciplinary) of the CBCS, B. A. (Hons.)

Political Science aims to familiarize the students with the various dimensions involved in the contemporary global economy.

The teaching learning process will go beyond the classroom lectures and presentation by engaging internet sources to follow

the market trends. The lectures will be highly interactive whereas the students will be encouraged to follow the daily market

trends. To enhance the cognitive ability of the students, group discussions will be organized to make the students understand

the impact of any changes in the global economy on the society.

Assessment Methods

The students will be assessed according to their performance in their internal assessment exam and end semester exam.

However, the students will be also assessed according to their performance in group discussions. Weekly quiz and tests will be also the mode of assessment.

Keywords

Approaches to Political Economy, Development Debates, Development vs. Environment, Knowledge Economy, Globalization and Development

GE-3(F): AEROBIC TRAINING

PART A: THEORY

Duration: 2 Hrs

Unit –I : Introduction

- 1.1. Introduction to Aerobics, Evolution of Aerobics
- 1.2. Benefits of participation in Aerobics
- 1.3. Individualized and Group Training in Aerobics

Unit –II: Aerobics

- 2.1. Forms of Aerobics (Floor, Step, Weight and Aqua Aerobics)
- 2.2. Appropriate Aerobics Gear, Flooring and Required Equipment
- 3.3. Need, Benefits and selection of Music for Aerobics

Unit –III: Group Training

- 3.1. Development of Aerobics Fitness Programmes
- 3.2. Group Training Methods, Group Formation
- 3.3. Prevention and Care Specific to Aerobics - Foot Injuries, Shin Injuries, Knee Injuries, Multiple Injuries

PART B : PRACTICAL

1. Develop a 5-10 minutes routine of aerobics
2. Compilation of music on a pen drives for low-impact, medium-impact and high impact floor aerobics.
3. Demonstrate various group formations in an aerobics routine.

Assessment of Practical

Practical (Demonstration/ Performance)	:	10 Marks
Viva	:	10 Marks
Record Book all topic of practical	:	05 Marks

PART C: INTERNAL ASSESSMENT

Presentation / Written Test	:	10 Marks
Project / Assignment	:	10 Marks
Attendance	:	05 Marks

MARKING SCHEME: THEORY = 50 Marks, Practical=25, Internal Assessment = 25 Marks

SEMESTER CREDITS FOR THE PAPER = 6 CREDITS

- Each period will be of one hour.
- 4 theory periods per week semester = 4 credits
- 4 Practical periods per week per semester = 2 credits

INSTRUCTIONS TO THE EXAMINERS

- The examiners will set nine questions (eight descriptive and one short notes containing three options whereby, a student has to attempt any two) equally distributed throughout the entire syllabus.
- The students will be required to attempt any five questions.
- Each question will carry ten marks.

SUGGESTED READING

1. James, L.(2011). The first book of life skill. Embassy Book Distributions.

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2. Kumar, M (2000). Developing Communication skills. Delhi: Macmillan.
 3. Kumar, S., & Pushplata. (2011). Communication skills. Oxford.
 4. Peel, M. (1995). Improving Your Communication skills. Kogan Page.
 5. Raman, M.,& Sharma, S.(2011). Communication skills. Oxford.
 6. Sharma,P.C. (2008). Communication skills & personality development , Niraliprakashan, Pune.

**GE-4. (A) PUBLIC FINANCE OR INDIAN ECONOMY 2 OR GLOBAL POLITICAL
ECONOMY OR GAME THEORY
(Only for B.Com. (H) Students)**

PUBLIC FINANCE

Course Objective

This course is a non-technical overview of government finances with special reference to India. The course does not require any prior knowledge of economics. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralisation in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.

Course Learning Outcomes

The module aims to introduce students to the main concepts in public finance, equip students with a thorough analytical grasp of government taxes: direct and indirect taxes, and familiarise students with the main issues in government expenditure. At the end of the module the students should be able to demonstrate their understanding of the economic concepts of public finances, use diagrammatic analysis to demonstrate and compare the economic welfare effects of various government policy options, and demonstrate their understanding of the usefulness and problems related to government revenues and expenditures.

Unit 1

Theory: Overview of Fiscal Functions, Tools of Normative Analysis, Pareto Efficiency, Equity and the Social Welfare; Market Failure, Public Good and Externalities; Elementary Theories of Product and Factor Taxation (Excess Burden and Incidence)

Unit 2

Issues from Indian Public Finance: Working of Monetary and Fiscal Policies; Current Issues of India's Tax System; Analysis of Budget and Deficits; Fiscal Federalism in

References

1. Alam, S. (2016). GST and the states: sharing tax administrations. *Economic and Political Weekly*, 51(31).
2. Cullis, J., Jones, P. (1998). *Public finance and public choice*, 2nd ed. Oxford University Press.
3. Das, S. (2017). Some concepts regarding the goods and services tax. *Economic and Political Weekly*, 52(9).
4. Government of India. (2017). GST - Concept and status - as on 3rd June, 2017. Central Board of Excise and Customs, Department of Revenue, Ministry of Finance.
5. Hindriks, J., Myles, G. (2013). *Intermediate public economics*, 2nd ed. MIT Press.
6. Rao, M. (2005). Changing contours of federal fiscal arrangements in India. In A. Bagchi (ed.): *Readings in public finance*. Oxford University Press.
7. Rao, M., Kumar, S. (2017). Envisioning tax policy for accelerated development in India. Working Paper No. 190, National Institute of Public Finance and Policy.
8. Reddy, Y. (2015). Fourteenth finance commission: Continuity, change and way forward. *Economic and Political Weekly*, 50(21), 27-36.
9. Stiglitz, J. (2009). *Economics of the public sector*, 3rd ed. W. W. Norton.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Taxation, public expenditure, policy

INDIAN ECONOMY II

Course Objective

The course seeks to equip students with sector-specific knowledge and skills to analyse key economic issues and policy documents. It will also enable them to relate theoretical frameworks of macroeconomics and microeconomics to the Indian context.

Course Learning Outcomes

Students will have capability to understand government policies and will enable informed participation in economic decision making, thus improving their employment prospects and career advancement.

Unit 1

Macroeconomic policies and their Impact: Fiscal, financial and monetary policies

Unit 2

Agriculture: Policies and performance; production and productivity; credit; labour; markets and pricing; land reforms; regional variations

Unit 3

Industry: Policies and performance; production trends; small scale industries; public sector; foreign investment, labour regulation

Unit 4

Services and trade: Trends and performance; trade and investment policy

References

Given the nature of the course, readings will be updated every year.

1. Anant, T. (2006). Institutional reforms for agriculture growth. In N. Majumdar, U. Kapila (eds.): Indian agriculture in the new millennium: Changing perceptions and development policy, Vol. 2. Academic Foundation.
2. Balakrishnan, P. (2014). The great reversal: A macro story. *Economic and Political Weekly*, 49 (21), 29-34.
3. Bhaduri, A. (2012). Productivity and production relations: The case of Indian agriculture. In A. Bhaduri (ed.): *Employment and development*. Oxford University Press.
4. Bhagwati, J., Panagariya, A. (2012). A multitude of labor laws and their reforms. In *India's tryst with destiny*. Collins Business.
5. Chanda, R. (2012). Services led growth. In K. Basu, A. Maertens (eds.): *New Oxford companion to economics in India*. Oxford University Press.
6. De, S. (2012). Fiscal policy in India: Trends and trajectory. Ministry of Finance Working Paper.
7. Dev, M. (2012). Agricultural development. In K. Basu, A. Maertens (eds.): *New Oxford companion to economics in India*. Oxford University Press.
8. Dev, S., Rao, N. (2010). Agricultural price policy, farm profitability and food security. *Economic and Political Weekly*, 45 (26-27), 174-181.
9. Dhar, B. (2015). India's new foreign trade policy. *Economic and Political Weekly*, 50(16), 14-16.
10. Ghatak, M. (2012). Land reforms. In K. Basu, A. Maertens (eds.): *New Oxford companion to economics in India*. Oxford University Press.
11. Gulati, A., Saini, S. (2017) 25 years of policy tinkering in agriculture. In R. Mohan (ed.): *India transformed: 25 years of economic reforms*. Penguin.
12. Kanagasabapathy, K., Tilak, V., Krishnaswamy, R. (2013). A rethink on India's foreign trade policy. *Economic and Political Weekly*, 48 (31), 137-139.
13. Kumar, N. (2015). FDI and portfolio investment flows and development: A perspective on Indian experience. In U. Kapila (ed.): *Indian economy since*

independence, 26th ed. Academic Foundation.

14. Ministry of Finance. Clothes and shoes: Can India reclaim small scale manufacturing? Economic Survey, 2016-17, 1.

15. Nagaraj, R. (2017). Economic reforms and manufacturing sector growth. Economic and Political Weekly, 52(2), 61-68.

16. Nayak, P. (2012). Privatization. In K. Basu, A. Maertens (eds.): New Oxford companion to economics in India. Oxford University Press.

17. Panda, M. (2017). Macroeconomic scenario and policy options. In M. Dev (ed.): India development report 2017. Oxford University Press.

18. Vaidyanathan, A. (2012). Irrigation. In K. Basu, A. Maertens (eds): New Oxford companion to economics in India. Oxford University Press.

Teaching Learning Process

Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules

Keywords

Indian economic development, government policy

GLOBAL POLITICAL ECONOMY

Course Objective

This generic elective course introduces students to the contemporary structures, trends and developments in the Global Economy through a Political Economy lens. It explores the period since the end of Second World War up to recent global economic crisis – from the ‘Golden age of capitalism’ to the ‘neoliberal’ shift. It particularly explores changes in the organization of production and corporate structure along with changes in labour processes and labour regimes and also the increasing dominance of finance in the contemporary world. It also examines the shifts in the nature, scope and ideology of the state under globalisation.

Course Learning Outcomes

This course enables students who have not studied economics at the undergraduate level to develop a critical understanding of the contemporary global economy. It enables them to form a more informed view of the world we inhabit by analyzing some of the economic trends and developments over the last five or six decades. As the economy is a crucial sphere both of social life in general and the world of work in particular, an analytical exposure to the structures, institutions and processes of the global economy will thus enrich their comprehension of the contemporary world. With such a comprehension, students from all backgrounds will thus be better prepared to face the professional world and can use the knowledge base of this course for facing the challenges of group discussions and general interviews for corporate or civil service jobs. Students of other social sciences and humanities, who

intend to pursue higher studies and research, will also immensely benefit from this course by being able to develop an interdisciplinary understanding of basic economic structures and processes, which are often crucial to the understanding of their core subjects.

Unit 1

Introduction and overview: Perspectives on political economy of globalisation with a historical overview

Unit 2

Changing dynamics of capitalist production, organisational forms and labour processes: Fordist and post-Fordist production regimes; multinational corporations – evolution, structural form and dynamics; global value chains and production networks; the changing nature of employment, job security and labour rights in a globalised economy

Unit 3

The political economy of global trade: Structure and institutions of the international trade regime

Unit 4

The role of finance in the globalised economy: financialisation of the global economy – trends, instruments, features and consequences

Unit 5

The state in the era of globalisation: Globalisation and the limits of the welfare and developmental states; the neoliberal state.

Unit 6

Global economic instability and crisis: The 2008 global economic crisis – prelude, proximate and long term causes; possibility of recurring crises.

References

1. Bhaduri, A. (2002). Nationalism and economic policy in the era of globalization. In D. Nayyar (ed.): *Governing globalization: Issues and institutions*. Oxford University Press.
2. Chang, D. (2009). Informalising labour in Asia's global factory. *Journal of Contemporary Asia*, 39, 161-179.
3. Dore, R. (2008). Financialisation of the global economy. *Industrial and Corporate Change*, 17, 1097-1112.
4. Harvey, D. (2005). *A brief history of neoliberalism*. Introduction, Chapters 1- 3. Oxford University Press.
5. Hymer, S. (1975). The multinational corporation and the law of uneven development. In H. Radice (ed.): *International firms and modern imperialism*. Penguin Books.
6. Nayyar, D. (2003). Globalisation and development. In H.-J. Chang (ed.): *Rethinking*

development economics. Anthem Press.

7. Reddy, N. (2003). Economic globalisation, past and present: The challenges to labour. In K. Jomo, K. Jin (eds): Globalization and its discontents, revisited. Tulika Books.

8. Rodrik, D. (2011). The globalization paradox: Why global markets, states and democracy can't coexist. Oxford University Press.

9. Thun, E. (2011). The globalization of production. In J. Ravenhill (ed.): Global political economy. Chapter 11. Oxford University Press.

10. Tonkiss, F. (2008). Contemporary economic sociology: Globalisation, production, inequality. Chapter 4. Routledge.

11. Vakulabharanam, V. (2009). The recent crisis in global capitalism: Towards a Marxian understanding. Economic and Political Weekly, 44, 144-150.

12. Varoufakis, Y. (2011). The global Minotaur: America, the true origins of the financial crisis and the future of the world economy. Zed Books.

13. Winham, G. (2011). The evolution of the global trade regime. In J. Ravenhill (ed.): Global political economy. Oxford University Press.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Fordism, globalisation, MNCs, global production networks, labour flexibility, informalisation, global trade regime, financialisation, state under globalisation, neoliberalism, economic crisis

GAME THEORY

Course Objective

Game theory is used in various fields, such as economics, biology, business, law, politics, sociology, and computer science. The purpose of this course is to introduce the basics of game theory to undergraduate students in various disciplines. Game Theory introduces the students to optimal decision making under an interactive settings. This course introduces the basic concepts of game theory in a way that allows students to use them in solving simple problems in various disciplines. The course will deal with the solution concepts for normal form and extensive form games along with a variety of applications. Ideas related to asymmetric information among the interacting agents would also be analysed in this course. The course ends with the application of game theory to analyse moral hazard, adverse selection and

signalling problems.

Course Learning Outcomes

The students will learn how to model multi-person decision-making in an interactive setting. They will understand how to formulate different real life situations as games and learn to predict the optimal strategies of players and how the players can exploit strategic situations for the benefit of their own.

Unit 1 Normal form games.

The normal form; dominant and dominated strategies; dominance solvability; mixed strategies; Nash equilibrium; symmetric single population games; applications

Unit 2 Extensive form games with perfect information.

The game tree; strategies; subgame perfection; backward induction in finite games; commitment; bargaining; other applications

Unit 3 Simultaneous move games with incomplete information.

Strategies; Bayesian Nash equilibrium; applications

Unit 4 Extensive form games with imperfect information.

Strategies; beliefs and sequential equilibrium; applications

Unit 5 Information economics. Adverse selection; moral hazard; signalling games

References

Osborne, M. (2004). An introduction to game theory. Oxford University Press.

Teaching Learning Process

Lectures and tutorials

Assessment Methods

Internal assessment and final examination as per CBCS rules

Keywords

Normal form games, extensive form games, complete information, Nash equilibrium, subgame perfect equilibrium, incomplete information, Bayesian Nash equilibrium, sequential equilibrium

(Only for B.A. (H) Economics Students)

INSURANCE & RISK MANAGEMENT

Course Objective

To enable the students to evolve a suitable framework for the preparation, appraisal, monitoring and control of industrial projects.

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1 familiarize with the concept of project management and its attributes

CO2 understand project planning and project analysis

CO3 perform project appraisal.

CO4 examine project risk and conduct performance assessment and quality management of the project

CO5 learn cases in project management.

Course Contents

Unit I: Introduction

Concept and attributes of Project, Identification of Investment opportunities, Project life cycle, Role of Project Manager, Project Management Information System, Project Management Process and Principles, Relationship between Project Manager and Line Manager, Project Stakeholder Analysis. Project Planning, Monitoring and Control of Investment Projects. Pre-Feasibility study.

Unit II: Project Preparation

Technical Feasibility, Marketing Feasibility, Financial Planning: Estimation of Costs and Funds (including sources of funds), Loan Syndication for the Projects, Demand Analysis and Commercial Viability (brief introduction to NPV), Project budget, Collaboration Arrangements, Tax considerations and legal aspects.

Unit III: Project Appraisal

Business Criterion of Growth, Liquidity and Profitability, Social Cost Benefit Analysis in Public and Private Sector, Investment Criterion and Choice of techniques, Estimation of Shadow prices and Social discount rate

Unit IV: Project Risk and Performance Assessment

Project Risk Management- Identification, Analysis and Reduction, Project quality management, Project Performance Measurement and Evaluation, Project Report.

Unit V: Project Management Techniques & Case Studies

Project Management Techniques (PERT & CPM) and 2 Case Studies.

References

- Chandra. Prasanna. Project Preparation, Appraisal and Implementation. Tara McGraw Hill.
- Gido, Jack,. and Clements, James P. Project Management. Cengage Learning.
- Gray, Clifford F., Larson, Eric W., and Desai, Gautam V. Project Management: The Managerial Process. McGraw Hill Education.

Additional Resources

- Barker, Stephen.and Cole, Rob. Brilliant Project Management, Pearson.
- Kharua, Sitangshu. Project Management and Appraisal. Oxford Press University.

Note: Latest Editions of the text books may be used.

Teaching Learning Process

As the course is designed to enable the students to evolve a suitable framework for the preparation, appraisal, monitoring and control of industrial projects the teaching learning process will be based on lectures, seminars, workshops, project work and cases studies

Assessment Methods

The assessment of the students must be aligned with the course learning outcomes and requires Class Participation, Class Test, Assignment, Project Work and End Semester Examination

Keywords

Project Management, Project Preparation, Project Appraisal, Project Risk, Performance Assessmen

GE-4 (B): TEXT AND PERFORMANCE: WESTERN PERFORMANCE THEORIES ANDPRACTICES

Course Objectives

This course combines modern Western theatrical concepts along with the praxis of performance. It will familiarise students with the seminal Western theories of performance in the twentieth century and their visualisation on stage. The course will focus on a historical understanding of the different types of theatrical spaces along with their bearing on performance. A practice based course, it will focus on techniques such as voice modulation and body movement. A designated unit towards production will help students understand the different aspects involved in theatrical production.

Course Contents

Unit 1 Introduction

- Introduction to western theories of performance; classical to contemporary Endorsement of existing structures to radicalising our world

• Historical overview of western theatre Topics for Student Presentations:

- a) Perspectives on theatre and performance
- b) Historical development of theatrical forms
- c) Popular traditions

Unit 2 Theatrical Forms and Practices

- a) Performative spaces: eg., proscenium 'in the round' amphitheatre open-air and thrust stage; their impact on meanings of performance
- b) Performance components: voice modulation and body movement

Topics for Student Presentations:

- a) On the different types of performative space in practice
- b) Poetry reading elocution expressive gestures and choreographed movement

Unit 3

Theories of Drama

Theories and demonstrations of acting: Stanislavsky, Brecht, Boal

Topic for Student Presentations:

Acting short solo/ group performances followed by discussion and analysis with application of theoretical perspectives

Unit 4

Theatrical Production

- a) Direction production stage props costume lighting backstage support
- b) Recording/archiving performance/case study of production/performance/impact of media on performance processes

Topic for Student Presentations:

All aspects of production and performance: recording, archiving, interviewing performers, and data collection

Unit 5

Final practical assignment

- a) A performance of minimum thirty minutes using any one form of drama studied in this course
- b) Interview at least one theatre practitioner who has worked with western theatrical forms

Suggested Readings

Brecht, Bertolt. *Brecht on Theatre: The Development of an Aesthetic*. Trans. John Willet. London: Methuen, 1978.

Boal, Augusto. *Theatre of the Oppressed*. London: Pluto Press, 1979.

Brook, Peter. *The empty space: A book about the theatre: Deadly, holy, rough, immediate*.

New York: Simon and Schuster, 1996. *The Empty Space*. New York: Touchstone, 1996.

Fo, Dario. *The Tricks of the Trade*. London: Taylor & Francis, 1991.

People's Art in the Twentieth Century: Theory and Practice. Jana Natya Manch. New Delhi: Navchetan Printers. 2000.

Shelley, Steven Louis. *A Practical Guide to Stage Lighting*. Oxford: Elsevier, 2009.

Stanislavski, Konstantin. *An Actor Prepares*. London: Taylor & Francis, 1989.

Stanislavski, Konstantin. *Building A Character*. London: Bloomsbury, 2013.
Williams, Raymond. *Drama From Ibsen to Brecht*. Harmondsworth: Penguin, 1983.

Teaching Plan

Week 1 - Introduction to Paper G15
Week 2 - Unit 1 -- Introduction
Week 3 - Unit 1 contd
Week 4 - Unit 2 --Popular Theatrical Forms and Practices
Week 5 - Unit 2 contd
Week 6 - Unit 2 contd
Week 7 - Unit 3 --Theories of Drama
Week 8 - Unit 3 contd
Week 9 - Unit 4 --Theatrical Production
Week 10 -- Unit 4 contd
Week 11 - Unit 5 -- Field work: Interviewing a theatre practitioner
Week 12 - Unit 5 contd -- Working towards a Performance
Week 13 - Unit 5 contd -- Working towards a Performance
Week 14 - Concluding lectures exam issues, etc.

Keywords

Performance Performativity Performance spaces Stanislavsky Brecht Boal Voice modulation and body movement Direction Production Stage props Costume Lighting Backstage support

GE-4. (C) ELEMENTS OF ANALYSIS (Dept. of Mathematics)

Total Marks: 100 (Theory: 75 and Internal Assessment: 25)

Workload: 5 Lectures, 1 Tutorial (per week) **Credits:** 6 (5+1)

Duration: 14 Weeks (70 Hrs.)

Examination: 3 Hrs.

Course Objectives: Real analysis provides tools to lay the foundation for further study in subfields, such as calculus, differential equations, and probability. To study this course one needs a background in calculus and a facility with logic and proofs. This course deals with the analytic properties of real numbers, sequences and series, including convergence and limits of sequences of real numbers, the calculus of the real numbers, and convergence of power series.

Course Learning Outcomes: This course will enable the students to:

- i) Understand the real numbers and their basic properties.
- ii) Be familiar with convergent and Cauchy sequences.
- iii) Test the convergence and divergence of infinite series of real numbers.

iv) Learn about power series expansion of some elementary functions.

Unit 1. Real numbers and Sequences

Finite and infinite sets, Examples of countable and uncountable sets; Absolute value and the Real line, Bounded sets, Suprema and infima, The completeness property of \mathbb{R} , Archimedean property of \mathbb{R} ; Real sequences, Convergence, sum and product of convergent sequences, Order preservation and squeeze theorem; Monotone sequences and their convergence; Proof of convergence of some simple sequences such as a_n , $1 + a_n$, with $|a_n| < 1/n$, where a_n is a bounded sequence. Subsequences and the Bolzano–Weierstrass theorem; Limit superior and limit inferior of a bounded sequence; Cauchy sequences, Cauchy convergence criterion for sequences.

Unit 2. Infinite Series of Real numbers

Definition and a necessary condition for convergence of an infinite series, Geometric series, Cauchy convergence criterion for series; Positive term series, Integral test, Convergence of p-series, Comparison test, Limit comparison test, D’Alembert’s ratio test, Cauchy’s root test; Alternating series, Leibniz test; Absolute and conditional convergence.

Unit 3. Power Series and Elementary Functions

Definition of power series, Radius and interval of convergence, Cauchy–Hadamard theorem, Statement and illustration of term-by-term differentiation, Integration of power series, and Abel’s theorem, Power series expansions for e^x , $\sin x$, $\cos x$, $\log(1+x)$ and their properties.

References:

1. Bartle, Robert G., & Sherbert, Donald R. (2015). Introduction to Real Analysis (4th ed.). Wiley India Edition.
2. Denlinger, Charles G. (2015). Elements of Real Analysis. Jones & Bartlett India Pvt. Ltd.
- Ross, Kenneth A. (2013). Elementary Analysis: The Theory of Calculus (2nd ed.). Undergraduate Texts in Mathematics, Springer. Indian Reprint.

Additional Reading:

i. Bilodeau, Gerald G., Thie, Paul R., & Keough, G. E. (2010). An Introduction to Analysis (2nd ed.). Jones & Bartlett India Pvt. Ltd. Student Edition. Reprinted 2015.

Teaching Plan (GE-4: Elements of Analysis):

Weeks 1 and 2: Finite and infinite sets, Examples of countable and uncountable sets; Absolute value of the real line, bounded sets, suprema and infima; Statement of order completeness property of \mathbb{R} , Archimedean property of \mathbb{R} .

[1] Chapter 1 (Section 1.3), and Chapter 2 (Sections 2.2 to 2.4).

Weeks 3 and 4: Real sequences, Convergence, Sum and product of convergent sequences, Order preservation and squeeze theorem.

[1] Chapter 3 (Sections 3.1 and 3.2). Week 5: Monotone sequences and their convergence, Proof of convergence of some simple sequences such as $\frac{1}{n}$, $\frac{1}{n^2}$, $1 + \frac{1}{n}$, with $< 1, /$, where is a bounded sequence.

[1] Chapter 3 (Section 3.3)

Weeks 6 and 7: Subsequences and the Bolzano–Weierstrass theorem (statement and examples), Limit superior and limit inferior of a bounded sequence (definition and examples), Statement and illustrations of Cauchy convergence criterion for sequences.

[1] Chapter 3 (Sections 3.4, and 3.5).

Weeks 8 and 9: Definition and a necessary condition for convergence of an infinite series, Geometric series, Cauchy convergence criterion for series, positive term series, State the integral test and prove the convergence of p-series, Comparison test, Limit comparison test and examples.

[2] Chapter 8 (Section 8.1).

[1] Chapter 3 (Section 3.7).

Week 10: D’Alembert’s ratio test, Cauchy’s root test.

[2] Chapter 8 (Section 8.2).

Week 11: Alternating series, Leibnitz test; Absolute and conditional convergence.

[2] (Section 8.3). Week 12: Definition of power series, Radius and interval of convergence, Cauchy–Hadamard theorem.

[3] Chapter 4 [Article 23, 23.1 (without proof)].

[1] Chapter 9 [9.4.7 to 9.4.9 (without proof)].

Week 13: Statement and illustration of term-by-term differentiation, Integration of power series and Abel’s theorem.

[3] Chapter 4 (Article 26).

Week 14: Power series expansions for e^x , $\sin x$, $\cos x$, $\log(1+x)$ and their properties.

[3] Chapter 7 (Article 37). [1] Chapter 9 (9.4.14)

Keywords:

Countable sets, Completeness property, Bolzano–Weierstrass theorem, Cauchy sequence, Cauchy’s root test, D’Alembert’s ratio test, Cauchy–Hadamard theorem, Abel’s theorem.

GE-4. (D) हिंदी का वैश्विक परिदृश्य (Dept. of Hindi)

इकाई-1 : वैश्वीकरण, भाषा, समाज और साहित्य

इकाई-2 : हिंदी का विश्व—सन्दर्भ, संयुक्त राष्ट्र में हिंदी

इकाई-3 : हिंदी सिनेमा और हिंदी की दुनिया : सांस्कृतिक संवाद व सम्प्रेषण

इकाई-4 : अन्तर्राष्ट्रीय हिंदी सम्मलेन : जरूरत और भूमिका, 21 वीं सदी में हिंदी की वैश्विक चुनौतियाँ

सहयक ग्रंथ

- प्रवासी हिंदी साहित्य — कमल किशोर गोयनका
- मॉरीशस का हिंदी साहित्य — वीर सिंह, जागा सिंह
- मॉरीशस का हिंदी साहित्य — मुनीश्वर चिंतामणि
- सूरीनाम हिन्दुस्तानी — भावना सक्सेना
- फीजी का सर्जनात्मक साहित्य — विमलेश कांति वर्मा
- सूरीनाम का सर्जनात्मक हिंदी साहित्य — विमलेश कांति वर्मा
- फीजी में हिंदी : स्वरूप और विकास — विमलेश कांति वर्मा

GE-4. (E) WOMEM, POWER AND POLITICS (Dept. of Political Science)

Course Objective

Locating Gandhi in a global frame, the course seeks to elaborate Gandhian thought and examine its practical implications. It will introduce students to key instances of Gandhi's continuing influence right up to the contemporary period and enable them to critically evaluate his legacy.

Course Learning Outcomes

This course will help students to understand Gandhian philosophy in a critical and analytical manner. It will also help in describing the impact of Gandhian thought on Indian and global politics. It will help in identifying and explaining selected approaches and methods that historians have used to study the history of anti-colonial Indian politics.

Unit 1

Gandhi on Modern Civilization and Ethics of Development (2 weeks)

- a. Conception of Modern Civilisation and Alternative Modernity
- b. Critique of Development: Narmada Bachao Andolan

Unit 2

Gandhian Thought: Theory and Action (4 weeks)

- a. Theory of Satyagraha
- b. Satyagraha in Action
 - i. Peasant Satyagraha: Kheda and the Idea of Trusteeship
 - ii. Temple Entry and Critique of Caste
 - iii. Social Harmony: 1947 and Communal Unity

Unit 3

Gandhi's Legacy (4 weeks)

- a) Tolerance: Anti - Racism Movements (Anti - Apartheid and Martin Luther King)

-
-
- b) The Pacifist Movement
 - c) Women's Movements
 - d) Gandhigiri: Perceptions in Popular Culture

Unit 4

Gandhi and the Idea of Political (2 weeks)

- a) Swaraj
- b) Swadeshi

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A. Parel (ed.) (1997) 'Editor's Introduction', in Gandhi, Hind Swaraj and Other Writings Cambridge: Cambridge University Press.

Additional Resources:

Classics M K Gandhi " Hind Swaraj" Navjeevan Trust, Ahmedabad, 1910, https://www.indiawaterportal.org/sites/indiawaterportal.org/files/hind_swarajya_mk_gandhi_2010.pdf

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Additional Readings:

Additional Readings

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Teaching Learning Process

The mainstay of this paper is to make students understanding the contemporary relevance of Gandhi. This will thereby involve use of Gandhi's Original works and how Gandhian ideas are been used by practitioners.

Activities

Topic 1

1. Reading of primary texts:- M K Gandhi Chapter VI and XIII “ Hind Swaraj” Navjeevan Trust, Ahmedabad, 1910
2. A site visit to any on-going developmental project preferably in NCT Delhi by students and submission of report on Environmental law Violation and Resistance by People in a Gandhian Way.

Topic 2

1. Reading of primary texts:- M K Gandhi Chapter XII&XIII, “ Satyagraha in South Africa, Navjivan Trust, Ahmedabad, 1928, pp. 95-107
2. A Report followed by presentation on functioning of Cooperative and Community engagement for example Amul and/or SEWA in Gujarat to understand Trusteeship and its relevance

Topic 3

1. Movie Screenings (Movies like Lage Raho Munna Bhai, Gandhi by Richard Attenborough and Student's Participation in reviewing/discussing the movie from a Gandhian perspective or Cultural engagement of Students with Gandhian Ideas through Staging of a street play.

Topic 4

Student Visit to Any Gandhian Institution in Delhi like, Gandhi Darshan and Smiriti to understand on-going Gandhian work and programme and interacting with Gandhian activists.

Assessment Methods

Film/Documentary review and group discussions will be used to understand the critical mindset of individual students. Field work can be undertaken in areas where Gandhian methods are being used to attain justice. These visits can be translated to working paper of group under the guidance of course instructors.

Keywords

Gandhi, Swaraj, Modern Civilization, Tolerance, Social Harmony

GE - 4(F): FITNESS & EXERCISE MANAGEMENT

PART A: THEORY

Duration: 2 Hrs

Unit –I : Physical Fitness

- 1.1. Concepts and Significance of Physical Fitness
- 1.2. Components of Physical Fitness, Assessment of Health Related Physical Fitness Components-Cardio-respiratory Endurance, Body Composition, Muscular Endurance, Flexibility

1.3. Principles of Training, Development of Fitness

Unit –II: Suggested Exercise for Fitness

2.1. Exercise for developing Cardio-respiratory Endurance; weight Management, Resistance Training, Flexibility

2.2. Exercise for children, Youth, Adults, Women, and Senior Citizens

2.3. Exercise for Coronary Heart Disease, Obesity, Diabetes, Asthma and Pulmonary Disease

Unit –III: Exercise Programming and Management

3.1. Health Appraisal, Setting Fitness Goals, Measuring Energy Expenditure

3.2. Behaviour Modification, Fitness Module, Prevention of Injuries and First-Aid

3.3. Evaluation of the implemented programme of fitness and Report generating

PART B : PRACTICAL

Maximum Marks: 25

1. Assessment of Wellness and Fitness for Life : Lifestyle Assessment Inventory (Assessment Activity -1), Physical Activity Readiness Questionnaire (PAR-Q), Functional Fitness Test for Senior Citizens
2. Evaluation for Fitness: Cooper’s 9/12 min. (Girls/Boys) Run/Walk Test , Sit and Reach Test/Modified Sit & Reach Test, Modified Sit-ups (one Minutes), Pull-ups/Flexed Arm Hang (one Minute) Body Mass Index (BMI), Basal Metabolic Rate (BMR), Waist-Hip Ratio (WHR)

Assessment of Practical

Practical (Demonstration/ Performance)	: 10 Marks
Viva	: 10 Marks
Record Book all topic of practical	: 05 Marks

PART C: INTERNAL ASSESSMENT

Maximum Marks: 25

Presentation / Written Test	: 10 Marks
Project / Assignment	: 10 Marks
Attendance	: 05 Marks

MARKING SCHEME: THEORY = 50 Marks, Practical =25, Internal Assessment = 25 Marks

SEMESTER CREDITS FOR THE PAPER = 6 CREDITS

- Each period will be of one hour.
- 4 theory periods per week semester = 4 credits
- 4 Practical periods per week per semester = 2 credits
-

INSTRUCTIONS TO THE EXAMINERS

- The examiners will set nine questions (eight descriptive and one short notes containing three options whereby, a student has to attempt any two) equally distributed throughout the entire syllabus.
- The students will be required to attempt any five questions.
- Each question will carry ten marks.

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			Ms. Anita Mathur, Senior Faculty Member

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		Editor	Mr. Rajeev Kumar
18		Placement Cell	
		Convenor	Ms. Amanpreet Kaur
19		P.F./N.P.S. Monitoring Committee	
		Convenor	Dr. Naveen Mittal
		Bursar	Ms. Smita Sharma
		Members	Dr. Rachna Jawa
			Dr. Raj Kumar Shah
			Dr. C.S. Sharma
			Mr. Linesh V.V.
			Dr. Alok Kumar
20		Financial Assistance Committee (Fee Concession Committee/ Students Aid Fund Committee/ Need Based Scholarship Committee)	
		Convenor (Bursar)	Ms. Smita Sharma
		Members	Dr. Aruna Jha
			Mr. Avinash Jha
			Mr. Rakesh Ranjhan
21		Annual Day Co-Ordination Committee	
		Convenor (Senior most teacher of the College)	Dr. C.S.Sharma

	Warden, Boys Hostel	Dr. Tarun Manjhi
	Warden, Girls Hostel	Dr. Suman Bhakri
	Advisor, Students Union	Dr. Surya Prakash
	President, Staff Association	Dr. Alok Kumar
	TIC Sports	Dr. Kuljeet Kaur
22	Annual Day Awards Committee	
	Convenor	Ms. Aruna Jha
	Members	Dr. Alok Kumar
		Mr. Raj Kumar Shah
		Mr. Rakesh Ranjan
		Dr. Vandana Jain
		Ms. Anuradha Gulati Dasgupta*
		Dr. Shalini Aggarwal*
23	Annual Day Prizes Committee	
	Convenor	Dr. Alok Kumar
	Members	Dr. Rajkumar Shah
		Dr. Ravi Sharma
		Ms. Monika Bansal
24	College Magazine (Yamuna)	
	Editor-English Section	Dr. Ruchi Kaushik
	Editor-Hindi Section	Dr. Ravi Sharma
25	Faculty Advisors	
	Commerce Society	Ms. Karuna
	Economics Society	Dr. A.J.C. Bose
	English Literary Society	Mr. Shailesh Kumar Chawla
	Hindi Sahitya Sabha	Dr. Ravi Sharma
	History and Political Science Society	Mr. Linesh V.V.
	Fine Arts Society	Mr. Padmeswar Doley
	Debating Society	Mr. Linesh V.V.
	Dramatics Society	Dr. Rachna Jawa
	Computer and Mathematics Society	Dr. Pushp Lata Jain
	Hobby Workshop	Ms. Anisha
26	Café Committee	
	Convenor (Bursar)	Ms. Smita Sharma
	Warden, Boys Hostel	Dr. Tarun Manjhi
	Warden, Girls Hostel	Dr. Suman Bhakri
	Members	Ms. Alka Goyale
		Dr. Rachna Jawa
		Dr. Kuljeet Kaur
		Ms. Amanpreet kaur

27	College Seminar Committee	
	Convenor	Dr. Surya Prakash
	Members	Dr. Monika Bansal
		Dr. Astha Dewan
		Mr. Rakesh Ranjan
		Dr. Nwang Gialchhen
		Dr. Tarun Manjhi
		Dr. Santosh kumar
		Mr. Rajeev Kumar
28	Student Faculty Exchange Program Committee	
	Convenor	Ms. Priyanka Bhatia
	Members	Dr. Suman Bhakri
		Ms. Karuna
		Mr. Linesh V.V.
		Ms. Anisha
		Dr. Rachna Jawa
29	Environment and Cleanliness Committee	
	Convenor	Mr. Rajeev Kumar
	Members	Dr. Monika Bansal
		Dr. Kanu jain*
		Mr. Harvinder singh*
		Ms. Vartika Khandelwal*
30	Joint Consultative Committee	
	Chairman (Principal)	Prof. Simrit Kaur
	Convenor (Ad., Students Union)	Dr. Surya Prakash
	Bursar	Ms. Smita Sharma
	President, Staff Association	Dr. Alok Kumar
	Warden, Boys Hostel	Dr. Tarun Manjhi
	Warden, Girls Hostel	Dr. Suman Bhakri
	Teacher-in-Charge, Deartment of Physical Education & Sports	Dr. Kuljeet Kaur
	Librarian (Officiating)	Mr. Sandeep Nawani
	Members	Ms. Santosh Sabharwal
		Ms. Anisha
		Ms. Karuna
		Mr. Linesh V.V.
31	Extra Curricular Activities (ECA) Calender Committee	
	Members	Ms. Smita Sharma
		Dr. Surya Prakash
32	Earn While You Learn (EWYL) Committee	
	Convenor	Mr. Rakesh Ranjan

		Members	Ms. Smita Sharma, Bursar & Convenor, Fee Concession Committee
			Mr. Avinash Kumar Jha
			Dr. Nawang Gialchhen
			Dr. Esther N. Ngaihte
			Dr. Santosh Kumari
		Other Committees/Cells/Officers	
1		NAAC Committee	
		Principal	Prof. Simrit Kaur
		Convenor	Dr. Rachna Jawa
2		National Service Scheme (NSS)	Dr. Nwang Gialchhen
3		Internal Complaints Committee (ICC)	Dr. Deepashree
4		Women Development Cell	Dr. Monika Bansal
5		"Pahal"-Centre for Innovation, Incubation and Entrepreneurship (CIIE)	Dr. Vandana Jain
6		"Kutumb"-North-east and Himalayan Nations Integration Society	Dr. Astha Dewan
7		Nodal Officer for North-Eastern Students	Dr. Esther N. Ngaihte
8		Archive Committee	Dr. R.P. Rustagi
9		Anti Ragging Committee (Advisor, Students Union)	Dr. Surya Prakash
10		Anti Smoking Committee (Programme Officer, NSS)	Dr. Nawang Gialchhen
11		Enabling Unit for Differently Aabled Persons	Mr. Harendra Nath Tiwari
12		Centre for Community Engagement (Financial Literacy Cell)- Vitshalla	Dr. Anil Kumar
13		Sri Ram Centre for Personal Growth	Dr. Anil Kumar
14		Equal Opportunity Cell	Ms. Santosh Sabharwal
			Dr. Esther N. Ngaihte
			Mr. Harendra Nath Tiwari
			Ms. Juleta Khan (Section Officer)
15		Anti Discrimination Cell	Ms. Santosh Sabharwal
16		Liason Officer, OBC	Ms. Amanpreet Kaur
17		Liason Officer, SC/ST	Mr. Rajeev Kumar
18		Liason Officer, PWD	Mr. V.V. Linesh

	Approved and Registered Cells	Under
1	Quiz Society	Economics Society
2	Panache-Western Dance Society	Fine Arts Society
3	Connecting Dreams Foundation - SRCC	Debating Society
4	CLIF - Club for Leadership, Innovation and Finance	Commerce Society
5	Corporate Interaction Cell (CIC)	Placement Cell
6	Click - The Film and Photography Society	Hobby Workshop
7	Human Resource Development Cell	Commerce Society
8	D-Street	Commerce Society
9	Demeanor	Fine Arts Society
10	Finance and Investment Cell	Commerce Society
11	Book Club	
12	Enactus	
13	The Ideation Cell	CIIE
14	Entrepreneurship Development Cell	CIIE
15	Verve - The Choreo Dance Society	Fine Arts Society
16	The Marketing Society	Commerce Society
17	Cognizance	Commerce Society
18	Youth Parliament	
19	Wings of Fire	Dr. Naveen Mittal
20	The Internship	Commerce Society
21	180 Degree Consulting	NSS

*Subject to the renewal of his/her appointment on ad-hoc/temporary basis during the academic session 2020-21.

Prof. Simrit Kaur

Books

1. Privatization and Public Regulation: The Indian Experience (2003), Macmillan India.
2. Competition Policies in the Passenger Road Transportation Sector, A report prepared for Competition Commission of India, published by the Government of India, 2009.
3. Economic Freedom for States of India (2009) (with P.D. Kaushik), Academic Foundation, New Delhi.
4. Micro Economics (2013), By William McEac-hern and Simrit Kaur, South Western, Cengage Learning.
5. Intellectual Property Rights in Developing Countries (2013), Edited by Domon Koji, Tran Dinh Lam and Simrit Kaur, Vietnam National University, Ho Chi Minh Publishing House (Published as Conference Proceedings).

Project

1. Project commisined by Competition Commission of India (CCI) for conducting research study on “Competition and Regulatory Issues related to the Taxi and Cab Aggregator Industry: With special reference to Surge Pricing and Algorithmic Collusion in the Indian context”, as the Principal Investigator.
2. Successful completion and submission of Draft Research Project report to Competition Commission of India (CCI) for the research project titled, **“Competition and Regulatory Issues related to the Taxi and Cab Aggregator Industry: With special reference to Surge Pricing and Algorithmic Collusion in the Indian Context”**. The objective of the study has been to analyse competition and regulatory issues pertaining to online Cab Aggregators (CAs), with special reference to the policy on ‘surge pricing’ and ‘algorithmic collusion’ across four Indian States, viz., Delhi and Mumbai (as Tier I cities), and Jaipur and Indore (as Tier II cities). In addition to expert opinions sought, primary data was collected from about 2000 customers and 200 drivers; and analysed thereafter, using statistical and econometric tools. Based upon findings, suitable policy recommendations proposed.

In Indexed/ Peer Reviewed Journals

1. ‘Full Convertibility’, Indian Management Vol. 37 No. 2 February 1998.
2. ‘Privatization and Public Regulation’, PARADIGM Vol. 1, No. 2, January 1998.
3. ‘Reforming State Owned Enterprises - The Indian Experience’ Company Secretary, April 1998.
4. ‘The Indian Experience with the Memorandum of Understanding’ Abighyan, Vol. 3, No. 16 July-Aug., 1998.
5. ‘Disinvestment in India’ in The Journal of Institute of Public Enterprise, January-June 1998, Volume 21, No. 1 and 2.

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6. 'Financing Indian Infrastructure-A Greenfield Privatization Approach' in Contemporary Issues in Finance, ed. V.K. Bhalla, Anmol Publications Pvt. Ltd. New Delhi, 1999.
 7. 'Reforming Indian Public Sector Enterprises-The Efficiency Dimensions', Journal of Management Research, Volume1, No. 3, May-August 2001.
 8. 'The Employment Implications of Divestiture: The Indian Experience'. VISION: The Journal of Business Perspective, Volume 6 No. 1, January- June 2002.
 9. 'Roles of Centre and States in Disinvestment' MARGIN, NCAER Volume 36, No.1, Oct- Dec 2003.
 10. 'Disinvestment of Indian SOEs and its Impact on Employment' MARGIN, NCAER, Volume 37, No. 1, Oct-Dec, 2004.
 11. 'Role of Independent Regulation in Economic Reforms' in Alternative Economic Survey: Magnifying Mal Development, Zed Publishers, London, 2004.
 12. 'Privatization, Wages and Employment' in Alternative Economic Survey: Dinequalizing Growth, Daanish Books, July 2005, also available at: http://www.daanishbooks.com/product_downloads/b/aes2004_05_simrit_kaur53906.pdf
 13. 'Privatization and Public Enterprise Reform: a Suggestive Action Plan' in Economic Growth, Economic Performance and Welfare in South Asia, ed. Raghendra Jha, Palgrave Macmillan, 2005, Also available at: <http://ideas.repec.org/p/pas/asarcc/2004-08.html>
 14. 'Determinants and Impact of Travel and Tourism: A Cross Country Analysis', The Indian Economic Journal, Volume 53, Number 2, July-September, 2005.
 15. 'Liberalization, Competition and Productivity', Alternative Economic Survey, Disempowering Masses, India 2005-06, Daanish Books 2006, Also available at: http://www.daanishbooks.com/product_downloads/a/aes2005_06_09_simrit_26890.pdf
 16. 'Inequality, Growth and Economic Freedom: Re-examining the role of Government', RGICS Working Paper Series, No. 54, 2006, September 2006.
 17. 'Crises of Retail Trade', in Pampering Corporates-Pauperizing Masses, Alternate Economic Survey, India, Daanish Books, 2007, also available at: http://www.daanishbooks.com/product_downloads/z/aes2006_07_16_simrit_kaur_54716.pdf
 18. 'Economic Freedom and Economic Growth: An Analysis of BRIC Countries', in Journal of Business Horizon, Volume 1, July-December, 2007.
 19. 'Economic Freedom, Inequality and Poverty: Re-examining the Role of Government', in Indian Economic Journal, Volume 55, Number 2, July-September 2007.
 20. 'Poverty Measurement Blues: Some Reflections', Decline of the Developmental State, Alternate Economic Survey, Daanish Books, pp: 245-261, August 2008.
 21. 'Agricultural Policies in India', in Agricultural Policies in Emerging Economies: Monitoring and Evaluation, pp: 95-112, Organization of Economic Co-operation and Development, Paris, 2008.

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22. 'Economic Freedom, Larger Freedoms and Public Policy', The Forum of Public Policy, Journal of the Oxford Round Table, 2009. Also accessible online at:
<http://forumonpublicpolicy.com/archivespring08/kaur.pdf>
 23. 'India's Growth in the Second Millennium: Assessment and Challenges', published (in Italian) in the Encyclopaedia Treccani Terzo Millennio, Italy, 2009.
 24. 'Post-Election India: the New Tiger Beyond the Global Downturn', Aspenia Online Journal, Italy, June 2009, available online at
http://www.aspeninstitute.it/aspenn/?q=ar/Simrit_030609
 25. 'Inter-State variations in Economic Growth: Does Size and Composition of State Spending on Education Matter', Indian Journal of Public Administration, Volume LVI, No.3, July-September 2010, pp:377-394.
 26. 'Agriculture: Pathways to Prosperity in Asia and the Pacific', published by United Nation's International Fund for Agricultural Development (IFAD) (2011). Also available online at <http://www.ifad.org/pub/apr/pathways.pdf>
 27. 'Inter-State Variations in Economic Growth: Does Size and Composition of State Spending Matter', in Indian Economic Journal, Volume 59 (1), April-June 2011.
 28. 'Sectoral Linkages of Energy in Indian Economy: An Empirical Evidence' in Research Journal of Economics and Business Studies (RJEBS), Volume: 01, Number: 05, March-2012 pp: 35-45, March 2012.
 29. 'Inter-State Variations in Economic Growth: How Much Governance Matters?' (2012) in Poverty and Public Policy, Special Issue: Volume 4, Issue 3, pages 131-152, September 2012, Published by Wiley Periodicals, USA, and Oxford. Available Online at: <http://onlinelibrary.wiley.com/doi/10.1002/pop4.9/pdf>
 30. 'Intellectual Property Rights and Software Piracy in India' (2012), in Conference Proceedings, Vietnam, 2012, Vietnam National University, Ho Chi Minh Publishing House.
 31. 'India's Twin Deficits: Is Curbing Gold Imports an Effective Measure?'(2013), together with Simrinder Bahri in Financial Express. Available online at: <http://www.financialexpress.com/news/is-curbing-gold-imports-an-effective-measure-/1144766>
 32. 'National Rural Employment Guarantee Scheme and Targeted Public Distribution Scheme in Rajasthan and Madhya Pradesh: Complements or Substitutes?', (2013), jointly with Raghbendra Jha, Raghav Gaiha, and Manoj Pandey in Journal of Asian and African Studies (JASS), Sage Publication. Available online at: <http://jas.sagepub.com/content/early/2013/05/01/0021909613479312.full.pdf+html>
 33. 'Economic Impact of Trade Openness and Exchange Rate Regimes: Evidence from Developing Asia' (2013), jointly with Aditya Vikram, The International

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- Journal of Business and Emerging Markets, (Forthcoming: In Press), United States. Available online at: <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijbem>
34. 'Food Entitlements, Food Subsidies and Right to Food: A South Asian Perspective', (2013) in 'Handbook on Food: Demand, Supply, Sustainability and Security', edited by Jha Raghbendra and Raghav Gaiha, Edward Elgar, United Kingdom.
 35. 'Freakonomics of Grain Reserves and Price Spikes' (2014), op-ed in Financial Express, 30th July, Popular Writing Series, Available online at: <http://www.financialexpress.com/news/freakonomics-of-grain-reserves-and-price-spikes/1274992>
 36. 'Relationship between Select Commodity Prices Macroeconomic Variables in India: A VAR Analysis', (2014), jointly with Manoj Kumar Sharma in Business Perspectives, ISSN 0972-7612, July to December (forthcoming).
 37. 'Determinants of Food Security in Sub-Saharan Africa, South Asia and Latin America: Implications for Policy' (2014), jointly with Harpreet Kaur in 'Governance and Development: Views from G20 Countries', edited by Rajat Kathuria and Neetika Kaushal Nagpal, Springer Verlag (forthcoming).
 38. 'Climate Change, Food Security and Water Management in South Asia: Implications for Regional Cooperation' (2016), jointly with Harpreet Kaur. Published in 'Emerging Economy Studies', Sage, India. Volume 2, Issue 1, ISSN: 2394-9015, eISSN: 2454-2148; Sage India, pp: 1-18.
 39. 'Demonetization: Master Googly or No Ball' (2017), jointly with Sakshi Malik. Published as Opinion Article (Op-ed) in Financial Express, January 14, 2017, Available Online at: <http://www.financialexpress.com/opinion/demonetisation-why-narendra-modis-note-ban-move-was-necessary/507513/>
<http://epaper.financialexpress.com/1070701/Indian-Express/January-14-2017#page/9/1>
 40. 'Climate Change, Agricultural Production and Food Security: Econometric Evidence for India' (2017), jointly with Harpreet Kaur. Published in 'Journal of Business Thought', Volume 7, April 2016 - March 2017, ISSN 2231-1734, pp: 44-67.
 41. 'Reducing Inequality in South Asia: Critical Issues and Policy Choices in Reimagining South Asia in 2030', (2017); Edited by Mustafizur Rehman and Fahmida Khatun, South Asia Economic Summit, Dhaka, Bangladesh, Centre for Policy Dialogue, pp: 81-101.
 42. 'Examining the Fuel-Finance Nexus in a Macroeconomic Framework: Econometric Evidence from India' (2017). Co-authored with Aparna Sajeev. *South Asian Journal of Socio-Political Studies*, SAJOSPS, January-June 2017; 17(2), 87-97, ISSN 0972-4613, pp:87-97.
 43. 'Climate Risks and Sustainable Intensification of Agriculture in South Asia'

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- (2017). *Trade Insight*, 13(1), 23-27. Available at: <http://www.sawtee.org/publications/Trade-Insight38.pdf>.
44. 'Sustaining Agricultural Production in South Asia in the Face of Climate Change: A Panel Data Study' (2017) . *Asian Journal of Research in Social Sciences and Humanities*, 7(9), 73-94. DOI NUMBER: 10.5958/2249-7315.2017.00444.0. <https://aijsh.com/shop/articlepdf/2017/09/15042437808abstract.pdf>
45. 'Climate change begs for policy initiatives in South Asia' (August 2018);. Published as an Op-ed in East Asia Forum, jointly with Harpreet Kaur. <http://www.eastasiaforum.org/2017/08/26/climate-change-begs-for-policy-initiatives-in-south-asia/>
46. "A storm of climate change migration is brewing in south Asia", co-authored with Mrs. Harpreet kaur, published in East Asia Forum, 2018.
47. "Missing the Gender-Infrastructure Link" co-authored with Ms. Sanchita Joshi and Mr. Vaibhav Puri, published in Indian express on February 7,2019.
48. Published paper titled "**Environmental Sustainability, Trade and Economic Growth in India: Implications for Public Policy**" (2020) Accepted for Publication in Forthcoming Issue of International Trade, Politics and Development (ITPD) , Volume 4, Number 1, Emerald Publishing, ISSN: 2632-122X, Copyright Holder: Department of International Commerce, Finance and Investment, College of Politics and Economics, Kyung Hee University, South Korea (Co-authored with A. Sajeev)
49. "**Determinants of Financial Inclusion in Rural India: Does Gender Matter?**" (2020), Accepted for Publication in Forthcoming Issue of International Journal of Social Economics, ISSN: 0306-8293, Emerald Publishing Limited, United Kingdom (Co-authored with C. Kapuria)
50. "**Determinants of Public-Private Partnerships: a State-Level Empirical Analysis of India**" (2020), Accepted for Publication in Forthcoming Issue of **Property Management**, ISSN: 0263-7472 Emerald Publishing Limited, United Kingdom (Co-authored with S. Malick)
51. "**Resurrecting Indian Economy, COVID and Unveiling of the Stimulus Package**", (2020) co- authored with Ms. Kamaldeep Kaur Sarna, Assistant Professor, SRCC, May 21, 2020, Available Online at: <http://diplomatist.com/2020/05/21/resurrecting-indian-economy-covid-and-unveiling-of-the-stimulus-package/>
52. Published paper titled "**Crop Diversification and Crop Disposition in India: An Inter-State Analysis. Indian Journal of Marketing**", in Indian Journal of Marketing, Volume 50, Issue 5-7, May-July 2020, DOI: [10.17010/ijom/2020/v50/i5-7/152117](https://doi.org/10.17010/ijom/2020/v50/i5-7/152117), (Co-authored with C. Kapuria). Available online at: <http://indianjournalofmarketing.com/index.php/ijom/article/view/152117>

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53. **“The Right Mix for a Recovery amidst COVID”**, published in Indian Express on May, 7, 2020. Available Online at: <https://indianexpress.com/article/opinion/the-right-mix-for-a-recovery-coronavirus-india-lockdown-6398733/>, Co-authored Jointly with Kamaldeep Kaur Sarna.
 54. **“Analysing Union Budget 2020 from an Economic Perspective: Resources and Allocations”**, jointly authored with Ms. Kamaldeep Kaur Sarna, Assistant Professor, SRCC, March 31, 2020, Available Online at: <http://diplomatist.com/2020/03/31/analysing-union-budget-2020-from-an-economic-perspective-resources-and-allocations/>
 55. **“Public Policy must Regulate Algorithms and AI to Avoid Adverse Impact on Society”** published in Indian Express on June 07, 2019. Co-authored Jointly with Kamaldeep Kaur Sarna. Available Online at: <https://indianexpress.com/article/opinion/columns/artificial-intelligence-algorithm-policy-5768876/>
 56. Presented paper titled **“Environmental Sustainability, Trade and Economic Growth in India: Implications for Public Policy”**, at International Conference on the theme ‘Globalization, Trade and Economic Policy: Way towards Achieving Sustainable Development’ jointly organised by Kyung Hee University, Seoul, South Korea and Shri ram College of Commerce (SRCC), at Kyung Hee University, Seoul, South Korea on October 18-19, 2019.

Articles in Books/Book Reviews

1. Disinvestment-How Strategic? Published in Career Economy, February 2003.
2. ‘Role of Independent Regulation in Economic Reforms’ in Alternative Economic Survey: Magnifying Mal Development, Zed Publishers, London, 2004.
3. Privatization, Wages and Employment in Alternative Economic Survey: Dinequalizing Growth, Daanish Books, July 2005.
4. Reviewed the book Privatisation: A Global Perspective by R.K. Mishra, Morton R Davies and K.S. Bhat, published by Vikas Publishing House, 2004, published in Indian Social Science Review, Volume 7, Number 1, January-June, 2005.
5. ‘Privatization and Public Enterprise Reform: a Suggestive Action Plan’ in Economic Growth, Economic Performance and Welfare in South Asia, ed. Raghendra Jha, Palgrave Macmillan, 2005 (Peer Reviewed).
6. ‘Liberalization, Competition and Productivity’, Alternative Economic Survey, Disempowering Masses, India 2005-06, Daanish Books 2006.
7. ‘Crises of Retail Trade’, in Pampering Corporates–Pauperizing Masses, Alternate Economic Survey, India, Daanish Books, 2007.
8. ‘Prospects of Non-Farm Employment and Welfare in Rural Areas’, published in the Routledge Handbook of South Asian Economies, edited by R. Jha (2011), Also available online at: <http://ideas.repec.org/p/pas/asarcc/2010-05.html>
9. Chapter titled “Conflict, Climate Change and Food Security in South Asia” co-authored with Ms. Harpreet kaur, published in the book ‘Hunger and Malnutrition as Major Challenges of the 21st Century’, 2019. Edited by

Conference Presentations (Last Five Years)

International:

1. Presented a paper titled 'Poverty, Malnutrition and Economic Freedom Re-examining the Role of Government' at the National Conference on "Expanding Freedom: Towards Social and Economic Transformation in a Globalizing World" held on April 11-13, 2007, at the Institute of Economic Growth, Delhi.
2. Participated in an eight day seminar organized by the Dialogue Programme Brussels and the International Academy for Leadership of the Friedrich-Naumann-Stiftung fur die Freiheit, the German foundation for liberal policies, at Berlin and Brussels from October 6 to 13, 2007, with the title 'Economic Freedom: a Liberal Strategy for Development'
3. Presented a paper titled 'Enhancing Economic Freedom by Reducing the Size of Government: A question of its desirability' at the 6th International Conference on Economic Growth and Differentials: How Can We Harmonize Growth and Equality, held at Hosei University (Ichigaya Campus), Japan on December 8-9, 2007.
4. Have been invited to participate and present a paper titled 'Trade-off between Economic and Larger Freedoms: Re-examining the role of government' at the 20th Anniversary of the Oxford Round Table, (from March 23 to March 28, 2008) Lincoln College, University of Oxford, England.
5. Paper titled Relationship between Economic Freedom and Larger Freedoms: An analysis of BRIC Countries presented at The Chinese Economists Society CES 2008 Annual Conference: New Phase of China's Economic Development held in Tianjin at Nankai University, China from April 18-19, 2008.
6. Presented a paper titled On Economic Freedom at the 15th World Congress of the International Economic Association held at Istanbul, Turkey from June 25 to June 29, 2008.
7. Invited to the OECD Global Forum on Agriculture to discuss Agricultural Policies in India, held on 20-21 November 2008 at the OECD Headquarters in Paris, France.
8. Paper on Social Safety Nets, Economic Freedom and Public Policy presented at the Annual International Conference on Development Economics and Policy held by the University of Frankfurt, Germany from 26th of June to the 27th of June 2009.
9. Invited to speak on Short-term Responses to Higher Food Prices at the OECD Global Forum on Agriculture held on 29-30 June in Paris, France.
10. Paper on Dynamics of Human Capabilities and Economic Freedom, selected for the New Directions in Welfare Conference held at St Catherine's College, Oxford University, Oxford from Monday 29th of June 2009 to Wednesday 1st of July 2009.
11. Paper on Social Safety Nets selected for presentation at the Inaugural Conference of the Courant Research Centre 'Poverty, Equity and Growth' held at University of Göttingen, Germany from 1st of July until the 4th of July, 2009.

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12. Invited to attend and present a paper on 'The Role of the Indian Government in Tackling Food Insecurity' at the "Scientific Expert Meeting to Prepare the Summit of the World's Regions on Food Security" held at Paris, France on October 6, 2009.
 13. Presented a paper on 'State of Food Insecurity in India' at a two day workshop held at Bangkok, Thailand on the 12th and 13th of October, 2009.
 14. Invited to present views on 'Food Security Strategies for States of India: Implications for Involving the Local Bodies', at the World's Regions on Food Security, held at Dakar, Senegal on the 18th and 19th of January 2010.
 15. Presented a paper on 'Financial Crisis and Food Security in India' at a two day workshop on 'Agriculture and Food Security in Asia and the Pacific in the context of Food and Financial Crisis' held at Bangkok, Thailand on the 22nd and 23rd of February, 2010.
 16. Presented a paper on 'Price Stabilization Policies' at the OECD Global Forum on Agriculture, held in November 2010 in Paris. The workshop was on 'Policies for Agricultural Development, Poverty Reduction and food Security'.
 17. Presented two papers titled "India's Public Distribution System: Implications for Food Security" and "Financial Crisis and Food Security: country paper on India" at the International Economic Association's XVI World Congress, held at Beijing, China from July 4 to 8, 2011.
 18. Presented a paper titled "India's Public Distribution System" at a three day Conference titled "PEGNet Conference 2011: Poor Countries, Poor People, and the New Global Players", at the GIGA German Institute of Global and Area Studies, held at Hamburg, Germany from September 7 to 9, 2011.
 19. Presented a paper titled 'Role of Business in Mitigating Indo-Pak Conflict' in the Global Business Ethics Symposium at Bentley University, Waltham, USA from the 20th to 26th of May 2012.
 20. Presented two papers titled 'Economic Impact of Exchange Rate Regime and Trade Openness: An Asian Perspective' and 'Privatization and Economic Growth in BRIC Countries: Evidence from Panel Data' at the World Finance Conference to be held in Rio de Janeiro, Brazil from July 2-4, 2012.
 21. Paper titled, 'National Rural Employment Guarantee Scheme and Targeted Public Distribution Scheme in Rajasthan and Madhya Pradesh: Complements or Substitutes?', presented at International Conference on Public Policy Governance, 4-6, September 2012 at Bangalore, India.
 22. Paper titled 'India's Growth Story: Triumph of Liberalization', presented at the Centre for Vietnamese and Southeast Asian Studies, Vietnam National University, University of Social Sciences and Humanities, on the 12th of November, 2012, Ho Chi Minh City, Vietnam.
 23. Paper titled 'Economic Reforms in India' presented at the Department of Economics, University of Economics and Law on the 19th of November, 2012, Ho Chi Minh City, Vietnam.
 24. Paper titled 'Economic Growth, Poverty, Inequality and Economic Freedom: Re- examining the Role of Government' presented at the Department of Economics, University of Economics and Law on the 23rd of November, 2012 at Ho Chi Minh City, Vietnam.
 25. Paper titled, 'Public Policy Reforms in India' presented at the Vietnam Institute

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- of Trade and Industry Studies, on the 17th of December, 2012 at Hanoi, Vietnam.
26. Paper titled 'Reforming State Owned Enterprises in India and Vietnam: The Way Forward' presented at the International Conference Organized by Institute of Indian & Southwest Asian Studies on 'India and Southwest Asia: Historical Links and Present Situation on the 18th of December, 2012 at Hanoi, Vietnam.
 27. Paper titled, 'Inclusive Growth, Poverty and Economic Development in India', presented at the Hanoi College of Commerce and Tourism on the 18th of December, 2012 at Hanoi, Vietnam.
 28. Presented 'Normalizing India-Pakistan Trade in Agriculture' on 21st of January 2014 at ICRIER's annual conference organized as part of ICRIER's project "Strengthening Research and Promoting Multi-level Dialogue for Trade Normalization between India and Pakistan", held at India Habitat Centre, New Delhi, India.
 29. Invited to speak on 'Role of Food Security' in a seminar organized by the South Asia Watch on Trade, Economics and Environment (SAWTEE), together with Oxfam and Oxfam and Swedish Standards Institute (SIS), on "Regional cooperation on trade, climate change and food security in South Asia: Some reflections and way forward" on the 13th and 14th of March 2014, at Kathmandu, Nepal.
 30. Invited by Lahore University to speak on 'Pakistan-India Trade Normalization in the Agricultural Sector' during the Conference to be held on August 20th and 21st, 2014 at Lahore, Pakistan.
 31. Paper titled, 'Information, Efficiency and Sustainability in Indian Agricultural Markets: the e-chaupal Way', to be presented in Johannesburg, South Africa during the conference to be held from 10th of September 2014 to 12th of September 2014.
 32. Presented the paper titled, "Addressing Financial Challenges of Public Private Partnerships in Infrastructure in Developing Asia" at the World Finance Conference 2016, held at St. John's University (Manhattan Campus), New York, United States from July 29-July 31, 2016.
 33. As a distinguished speaker spoke on "Reducing Inequality in South Asia: Critical Issues and Policy Choices" at the Ninth South Asia Economic Summit (SAES IX) in Dhaka, Bangladesh on 15-16 October 2016. The invitation was received from the Centre for Policy Dialogue (CPD) Bangladesh. The overarching theme of SAES IX was "Reimagining South Asia in 2030". Also, converted the talk in a paper (yet to be published).
 34. Panelist for the parallel session titled "Regional Cooperation on Climate Change" at the 10th South Asia Economic Summit on the theme of "Deepening Economic Integration for Inclusive and Sustainable Development in South Asia" organised by the National Planning Commission and Ministry of Commerce, Government of Nepal in collaboration with South Asia Watch on Trade, Economics and Environment (SAWTEE) held in Kathmandu, Nepal on November 14-16, 2017.
 35. As a distinguished speaker was invited by European Commission's Directorate General for International Cooperation and Development to participate and

speaking at their Three Day Workshop on “Asia Pacific Blending and Investment”, at Brussels, Belgium (28th to 30th of May, 2018).

Invited Lectures at Institutes/Workshops/Session Chairing/Others (Since 2006)

1. Delivered an invited lecture on ‘*Vision 2020 and Economic Development Plans of India*’ on March 21, 2006 at the 3rd FKKTC CEO Overseas Symposium organized by International Federation of Consulting Engineers (FIDIC), Korea Advanced Institute of Science & Technology (KAIST), Korea Engineering and Consulting Association (KENCA) and training centre (FKKTC) on 20-22 March 2006 at “Jaypee Greens” Resort, NOIDA. CEOs of about 40 Korean consulting firms attended the symposium.
2. Delivered an invited lecture at the seminar on ‘*Economic Freedom Index: it’s relevance for economic development*’, held on September 1, 2006 at Punjab University, Chandigarh. The seminar was organized by the Rajiv Gandhi Institute of Contemporary Studies, Delhi, in association with the Freidrich Naumann Stiftung, Federation of Indian Micro and Small and Medium Enterprises, New Delhi, and Chandigarh Management Association (CMA). Mr Surinder Singla, Punjab Finance Minister, inaugurated the seminar.
3. Delivered an invited lecture on ‘*Privatization and Public Sector Reforms: Implications for Efficiency*’, at the Fifth Foundation Training Programme for Scientists and Technologists of S & T Departments of Government of India, July 17- October 6, 2006 at the Indian Institute of Public Administration, Delhi. The lecture was delivered on Tuesday, 3rd October, 2006.
4. Attended and presented the research results at a workshop organized by the Competition Commission of India to review the ongoing research studies on ‘*State of Competition in the Indian Economy*’ held on Tuesday 7th November, 2006 at Hotel Imperial, New Delhi.
5. Delivered an invited lecture on ‘*Economic Freedom and Economic Development*’ at a seminar on Economic Freedom in States of India, organized by The Federation of Andhra Pradesh Chambers of Commerce and Industry (FAPCCI), Indian Institute of Economics (IIE) and Rajiv Gandhi Institute of Contemporary Studies on 23rd November, 2006 at Surana Udyog Auditorium, FAPCCI, Hyderabad.
6. Chaired The Technical session on ‘*Sector and Industry Specific Issues*’ on 23rd December at the 11th International Conference on Productivity and Quality Research (ICPQR) at the Indian Institute of Technology (IIT), Delhi, 12 -15 December, 2006. The Conference was jointly organized by IIT, Delhi and International Society for Productivity and Quality Research, USA.
7. Delivered an invited lecture on ‘*Privatization and Public Sector Reforms*’, at the Sixth Foundation Training Programme for Scientists & Technologists of S&T

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- Departments of Govt. of India (November 20, 2006 – January 25, 2007) on Friday, 22nd December, 2006 at the Indian Institute of Public Administration.
8. Delivered an invited lecture on 'Tamil Nadu and Economic Freedom' at Hotel Le Royal Meridian, Chennai on 20th June, 2007 at a conference on 'Relevance of Economic Freedom for Development'. Dr. R. Srinivasan, Member State Planning Commission, Government of Tamil Nadu, Chennai delivered the Keynote address. The conference was organized by TFSC (TANSTIA-FNF Service Centre), Chennai in collaboration with Friedrich Naumann Foundation (FNF), New Delhi. Citation: The Hindu, Chennai Edition, June 21, 2007, reported on the seminar.
 9. Invited to the OECD Global Forum on Agriculture to discuss Agricultural Policies in India, held on 20-21 November 2008 at the OECD Headquarters in Paris, France.
 10. Invited to speak on Short-term Responses to Higher Food Prices at the OECD Global Forum on Agriculture held on 29-30 June, 2009 in Paris, France.
 11. Invited to present views on 'Food Security Strategies for States of India: Implications for Involving the Local Bodies', at the World's Regions on Food Security, held at Dakar, Senegal on the 18th and 19th of January 2010.
 12. Delivered an invited lecture on "India 2020 – Management Processes & Practices" at the Department of Management Studies, VIT Campus, Jaipur as a Special Guest on 30th April 2011.
 13. Invited to speak on 'Role of Food Security' in a seminar organized by the South Asia Watch on Trade, Economics and Environment (SAWTEE), on the 13th and 14th of March 2014, at Kathmandu, Nepal.
 14. Distinguished Speaker at National Conclave on "Synergizing Academia-Industry towards Skilling & Transforming India" organised by Federation of World Academics held on November 4, 2017.
 15. Distinguished Speaker at the 5 Clash of the Titans Invitational Debate organised by Old Students' Association, Hindu College held on December 2, 2017.
 16. Panellist for the parallel session titled "Regional Cooperation on Climate Change" at the 10 South Asia Economic Summit on the theme of "Deepening Economic Integration for Inclusive and Sustainable Development in South Asia" organised by the National Planning Commission and Ministry of Commerce, Government of Nepal in collaboration with South Asia Watch on Trade, Economics and Environment held in Kathmandu, Nepal on November 14-16, 2017.
 17. Guest of Honour at XII International Conference on "Business 2025: Driving Growth through Strategic Innovation, Entrepreneurship and Digitisation" organised by PHD Chambers of Commerce, New Delhi and JIMS, Kalkaji held on February 10, 2018.

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18. High level panellist of the spotlight session on “Ease of Doing Business : New Delhi 2022” organised by the Institute of Cost Accountant of India at their 58th National Cost Convention, New Delhi on March 16,2018.
 19. Distinguished Guest Faculty for Executive Development Program for executives of Public Sector and delivered lecture on topic “Privatisation, Competition and the Public Sector”, organised by SCOPE – Academy of Public Sector Enterprises (APSE), at SCOPE Training Centre held on New Delhi on May 16, 2018.
 20. Invited by the European Commission as a Distinguished Resource Person for workshop on “Asia Pacific Blending and Investment” organised by European commission’s Directorate General for International Cooperation and Development, held at Brussels, Belgium from May 28-30, 2018.
 21. Distinguished Resource Person to speak on “Economics of Competition” at the “Induction Training of Officers of Competition Commission of India (CCI)”, organised by Indian Institute of Corporate Affairs (IICA) held at IICA Campus, IMT Manesar, Gurugram on June 22, 2018.
 22. Invited as the Resource Person by Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, and delivered a lecture on topic “Big Data: Implication for Public Policy” at the refresher Course in Business Management, Economics and commerce for the university and college teachers on September 20, 2018.
 23. Distinguished guest faculty for Executive Development Program for Executive of Public Sector and delivered lecture on topic “Way forward for the Public Sector in the context of Liberalization Privatisation and Gloabalization” organised by SCOPE-Academy of Public Sector Enterprises (APSE), at SCOPE Training Centre, New Delhi on October 12, 2018.
 24. Delivered the “7th NJ Yasaswy Memorial Lecture” on the topic “4th Industrial Revolution: Implication for Academia and Industry” as the Chief Guest for the event at IFCAI Business School, Gurugram held on October 26, 2018.
 25. Invited by the Government of Kyrgyzstan as a Distinguished Resource Person for workshop on “Public-Private Partnership: International Experience, Risks and Opportunities” organised at European Commission Bishkek, Kyrgyzstan on October 31, 2018.
 26. Guest speaker at CII Higher Education Summit on theme “Harnessing an Entrepreneurial Networks” held at India Habitat Centre, New Delhi on December 18, 2018.
 27. Distinguished Speaker on the topic “Big Data: Implication for Competition and Regulatory Authority” at the Refresher Course for Professional Officers of CCI held at Competition Commission of India, New Delhi February 18-20, 2019.

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28. Panellist at the panel discussion on “An Event on Women’s Empowerment” organised by Australia, New Zealand and India Business Association (ANZIBA) at Australian High Commission, New Delhi, on February 19, 2019.
 29. Panellist at book discussion of the book titled “The Black Economy in India: Transition to Grey Political Economy”, authored by Kamal Nayan Kabra, at Department of Political Science, University to Delhi, Delhi on February 20, 2019.
 30. Moderator for the workshop on the topic “Women at Work: Instituting Gender Audits at Work Place”, organised by IPE Global Centre for Knowledge and Development held at India Habitat Centre, New Delhi on March 8, 2019.

1. E Modules under NRC

2. Contributed an e-module on “**Industry 4.0 and Big Data: A Managerial Perspective**”, under the under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Commerce, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019 (Co-authored with Ms. Kamaldeep Kaur Sarna and Dr. Dipika Bansal).
3. Contributed an e-module on “**Changing Contours of India’s Economic Policy: From Past to Present**” under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019 (co-authored with Dr. Harpreet Kaur).

a. Lecture Recordings: Available on YouTube

4. Recorded lecture on “*Changing Contours of India’s Economic Policy: From Past to Present*” under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019. Available Online at: <https://www.youtube.com/watch?v=J5HsnajkFp0>
5. Recorded lecture on “*Research Writing and Publication*”, under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019. Available Online at: <https://www.youtube.com/watch?v=uMf-L1I7OO8>
6. Recorded lecture on topic “*Industry 4.0*” under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Commerce, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019.

A.J.C. BOSE

Books

1. Annavajhula J.C. Bose (2018), *An Inquiry into the Nature and Causes of Contemporary Labour Relations*, eBook, Blue Rose Publishers, New Delhi, ISBN: 978-93-87538-97-9.
2. Annavajhula J.C. Bose (2018), *Exploring the Real World Industrial Organisation: A Study of Subcontracting*, eBook, Educreation Publishing, New Delhi, ISBN: 978-1-5457-1981-7.

Articles

1. Annavajhula JCB (1988), "Subcontracting in Electronics: A Case Study of Keltron", *Economic and Political Weekly*, Vol.33, No.35, August 27.
2. Annavajhula J.C. Bose (1989a), "Subcontracting of Industrial Production: An Anatomy", *The Asian Economic Review*, Vol.31, No.2, August.
3. -- -- -- (1989b), "Demystification of International Subcontracting", *Social Scientist*, Vol.17, Nos. 11-12, November-December.
4. Annavajhula JCB (1989c), "Japanese Subcontracting Systems", *Economic and Political Weekly*, February 25.
5. Annavajhula J.C. Bose (1990), "International Subcontracting in Automotive and Electronics Industries: Retrospect and Prospect", *The Indian Economic Journal*, Vol.38, No.2, October-December.
6. -- -- -- (1992), "New Products and Changing Economics of Production", *Business Analyst*, Vol.13, No.1, July-December.
7. -- -- -- (1993a), "Technical Sophistication and Subcontracting: Some Pointers from Research in Advanced Economies", *Business Analyst*, Vol.14, No.1, July-December.
8. Annavajhula JCB (1993b), "Electronic Reorganisation of Manufacturing: A New Techno-Economic Paradigm", *Economic and Political Weekly*, May 29.
9. Annavajhula J.C. Bose (1995a), "Production Subcontracting in Developing Economies: A Short Survey", *The Indian Journal of Labour Economics*, Vol.37, No.2, April-June.
10. -- -- -- (1995b), "Inter-Firm Extra-Market Exchange Relations: An Interpretive Note", *Business Analyst*, Vol.15, No.1, January.
11. -- -- -- (1996), "Subcontracting, Industrialisation and Labouring Conditions in India: An Appraisal", *The Indian Journal of Labour Economics*, Vol.38, No.1, January-March.
12. -- -- -- (1997), "Economic Reforms and Labour in India: A Survey", *Business Analyst*, January-June.
13. -- -- -- (2000), "Micro-level Industrial Restructuring and Employment Relations in Times of New Competition: A Brief Survey and Research Agenda", *Business Analyst (A Journal of Shri Ram College of Commerce)* Vol.21, No.1, January-June.
14. A.J.C. Bose and SarojSinha (2011), "Towards Grounded Theories of Industrial Firm and Employment: A Critical Appraisal", *Labour and Development*, Vol.18, No.2, December (ISSN: 0973-0419).

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15. -- -- -- -- (2012), "Human Side of Lean Production: Are't We on a Slippery Slope?", *International Journal of Lean Thinking*, Vol.3, Issue 2, December (ISSN: 2146-0337)
 16. -- -- -- -- (2012), "Business Strategy and Labour Relations: A Critical Review", *The Indian Journal of Labour Economics*, Vol.55, No.2, April-June (ISSN: 0971-7927)
 17. -- -- -- -- (2012), "Incentives for Workers from Motor Vehicle Assemblers: Pointers from Empirical Evidence", *Business Analyst, A Journal of Shri Ram College of Commerce*, Vol.33, Issue 1, April-September (ISSN 0973-211X).
 18. Annavajhula JCB and SurendraPratap (2012), *Worker Voices in an Auto Production Chain: Notes from the Pits of a Low Road—I* Economic and Political Weekly, August 18.
 19. Annavajhula JCB and SurendraPratap (2012), *Worker Voices in an Auto Production Chain: Notes from the Pits of a Low Road—II*, Economic and Political Weekly, August 25.
 20. Annavajhula J.C. Bose (2012), "Global Auto Workers' Concerns and Perspectives: Is there Life Enhancing Future for Labour?", *Indian Streams Research Journal*, Vol.2, Issue 8, September (ISSN: 2230-7850).
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 22. -- -- -- -- (2012), "Production Chains: A Difficult Research Agenda", *Prabandan: Indian Journal of Management*, Vol.5, No.11, November (ISSN: 0975-2854).
 23. Annavajhula J.C. Bose and Shashi Kumar (2012), "Ideologies and Realities in Labour Relations Research: An Assessment", *Labour and Development, A Journal of V.V. Giri National Labour Institute*, Vol.19, No.2, December.
 24. Annavajhula J.C. Bose (2012), "Chinese Low Road and Global Race to the Bottom", *Asian Journal of Research in Business Economics and Management*, Vol.2, Issue 11, November (ISSN: 2249-7307).
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 26. -- -- -- -- (2013), "Supply Chain Work and Employment Relations: An Exploratory Survey", *International Journal of Management Research and Review*, Vol.3, Issue 2, February (ISSN: 2249-7196).
 27. Annavajhula JCB (2013), "Labour Abuse in Buyer- and Producer-Driven Supply Chains", *Economic and Political Weekly*, Mumbai, April 20. (Reproduced in Pulin B. Nayak (ed.) (2015), *Economic Development of India: Critical Concepts in Economics*, Vol.3, Routledge, London and New York).
 28. Annavajhula J.C. Bose (2013), "Doing Labour Management Research is Not Easy: A Methodological, Experiential and Emotional Note", *International Journal of Management and Development Studies*, March (ISSN: 2320-0685).
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30. Annavajhula J.C. Bose and Manshi Gupta (2013), "Home Schooling and Child Development", Review of Research (ISSN: 2249-894X), Vol.3, Issue 2, November.
 31. -- -- -- (2013), "Workplace Sexual Harassment as a Problem of Employee Relations", International Journal of Management and Development Studies, Vol.2, Issue 12, December.
 32. Annavajhula J.C. Bose and A. ChinmayeeMeghana (2014), "Overcoming Psychiatric Disturbances: A Note", Review of Research, Vol.3, Issue 4, January.
 33. A. ChinmayeeMeghana and Annavajhula J.C. Bose (2014), "Gender Identity Disorder (GID): A Note", Research Directions (ISSN: 2321-5488), Vol.1, Issue 11, May.
 34. SurendraPratap and Annavajhula J.C. Bose (2015), "Issues of Labour Unrest in Asia: A Comparative Study of Hot Spots and Flash Points", Journal of Indian Research (ISSN: 2321-4155), Vol.3, No.1, January-March.
 35. -- -- -- (2015), "Financialization, International Capital Mobility and Primitive Accumulation: Triple Monsters Eating Up Livelihoods", International Journal of Development Research (ISSN: 2230-9926), Vol.5, No.5, May.
 36. SurendraPratap and A.J.C. Bose (2015), "Transforming the Working and Living Conditions of Workers in India", Indian Labour Journal (ISSN: 0019-5723), Vol. 56, No.4, April.
 37. SurendraPratap and Annavajhula J.C. Bose (2015), "Working People in Indian Economy: A Structural Analysis", International Journal of Social and Economic Research(Online ISSN: 2249-6270), Vol.5, Issue 2, July.
 38. -- -- -- (2015), "Struggle for a Dignified Life: The Case of Paharpur Workers", Social Action (ISSN: 0037-7627), Vol.65, No.3, July-September.
 39. -- -- -- (2015), "Labour and Livelihoods under New International Division of Labour: The Case of Asia", Labour and Development, Vol.22, No.1, June.
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 42. A. ChinamayeeMeghana and Annavajhula J.C. Bose (2015), "Meditation and Sports Performance: An Appraisal", Academic Sports Scholars (ISSN: 2277-3665), Vol.4, Issue 9, September.
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 54. *Networked Firm and Its Impact on Labour and Human Resource Policies*, Aapoori Economics Journal 2020, 10 th Edition, Miranda House, University of Delhi.

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2. *The State of the World's Children 1993*, Oxford University Press for UNICEF, Oxford/New York, in *Business Analyst*, Vol.14, No.1, July-December 1993.
3. Joga Singh Khokhar (ed.) (1997), *Programming Models for the Electricity Industry*, Commonwealth Publishers, New Delhi, in *Business Analyst*, January-June, 1997.
4. Duck-Koo Chung and Barry Eichengreen (eds.) (2004), *The Korean Economy Beyond the Crisis*, Edward Elgar, in *China Report* (Sage Publication), Vol.42, No.4, 2006.
5. SushilaNarsimhan and G. Balatchandirane (eds.) (2004), *India and East Asia: Learning from Each Other*, Manak, New Delhi, in *The Indian Journal of Labour Economics*, Vol.48, No.2, April-June.
6. Thorstein Veblen (2005), *The Theory of Leisure Class: An Economic Study of Institutions*, Indian Edition, Aakar Books, New Delhi, in *The Indian Economic Journal*, Vol.53, No.2.

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7. Tony Avirgan, L. Josh Bivens and Sarah Gammage (eds.) (2005), *Good Jobs, Bad Jobs, No Jobs*, Global Policy Network and Economic Policy Institute, in *The Indian Journal of Labour Economics*, Vol.48, No.3, July-September.
 8. Immanuel Ness (2005), *Immigrants, Unions and the New US Labour Market*, Temple University Press, Philadelphia, in *The Indian Journal of Labour Economics*, Vol.49, No.1, January-March.
 9. C.S. Venkataratnam (2006), *Industrial Relations*, Oxford University Press, New Delhi, in *The Indian Journal of Labour Economics*, Vol.49, No.3, July-September.
 10. AmanSethi (2011), *A Free Man*, Random House India, Noida, in *Business Analyst*, Vol. 34, No.1, 2013.
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 12. AMRC (ed.) (2012), *The Reality of Corporate Social Responsibility: Case Studies on The Impact of CSR on Workers in China, South Korea, India and Indonesia*, Asia Monitor Resource Centre, Hong Kong, in *Business Analyst*, Vol.36, Issue 1, April-September, 2015.
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 14. Paul Swanson (2013), *An Introduction to Capitalism*, Routledge, London, in *Business Analyst*, Vol.35, Issue 2, October 2014-March 2015.
 15. SurendraPratap (2014), *Emerging Trends in Factory Asia*, Asia Monitor Resource Centre, Hong Kong, in *China Report*, Vol.51, No.4, November 2015.
 16. Florian Butollo (2014), *The End of Cheap Labour? Industrial Transformation and "Social Upgrading"*, Campus Verlag, Frankfurt/New York, in *China Report*, Vol.52, No.1, 2016.
 17. K.P. Kannan (2014), *Interrogating Inclusive Growth: Poverty and Inequality in India*, Routledge, New Delhi; and R. Nagaraj (ed.) (2012), *Growth, Inequality and Social Development in India: Is Inclusive Growth Possible?*, Palgrave Macmillan, in *Management Today*, Vol.6, No.4, October-December, 2016.
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 37. Lilian Fischer et al. (eds.) (2018), Rethinking Economics: An Introduction to Pluralist Economics, Routledge, in *Business Analyst*, Vol.39, Issue 2, July-December 2018.
 38. Robert Constanza et al. (1997), Introduction to Ecological Economics, in *Business Analyst*, Vol.40, No.1, January-June 2019.
 39. Chodorkoff, Dan. 2014. *The Anthropology of Utopia: Essays on Social Ecology*. New Compass Press. Norway; and Chodorkoff, Dan. 2011. *Loisaida: A Novel*. Fomite. Burlington.Vermont, in *Business Analyst*. Vol.40. Issue 2. 2019.
 40. Shalendra D. Sharma (2018), A Political Economy of the United States, China and India: Prosperity with Inequality, in *The China Journal*, No.83, January 2020.
 41. Right Brain Attributes and Skills, in <https://ecosocsrcc.com>, June 8, 2019
 42. Good Life, Good Society, Good Economics, in ecosocsrcc.com, June 22, 2019
 43. Why You Must Consult Economics Anti-Textbooks, in ecosocsrcc.com, July 5, 2019
 44. Why Study Economics, in ecosocsrcc.com, July 23, 2019
 45. Celebrating Prof. Amit Bhaduri: Part I-Core of Economics, in ecosocsrcc.com, August 16, 2019
 46. Celebrating Prof. Amit Bhaduri: Part II-Dignifying Development, in ecosocsrcc.com, August 16, 2019
 47. The Macroeconomic Pitfalls of Labour Market Flexibility, in ecosocsrcc.com, September 19, 2019
 48. How Does Modern Business Create Employment and Treat You?, in <https://ecotalker.wordpress.com> from Miranda House, September 18, 2019
 49. Labour and Democratic Rights, in ecosocsrcc.com, September 28. 2019
 50. Microeconomics of Competitiveness, Manufacturing and Industrial Relations, in ecotalker.wordpress.com, September 14. 2019.
 51. Why Managers Cannot Create Industrial Democracy and Peace, in ecotalker.wordpress.com, October 30, 2019
 52. Informal Employment, in ecotalker.wordpress.com, November 20, 2019
 53. Industry-centric View of Economic Globalisation, in ecotalker.wordpress.com, November 28, 2019
 54. Outsourcing or Subcontracting, in ecotalker.wordpress.com, December 13, 2019
 55. Political History of Neocon Economics, in ecotalker.wordpress.com, December 25, 2019.
 56. Neoimperialism and Industrial Relations, in ecosocsrcc.com, October 15, 2019
 57. The Indian Workers, in ecosocsrcc.com, October 29, 2019
 58. Sociology of Big Business, in ecosocsrcc.com, November 30, 2019
 59. Small Firm Labour Relations, in ecosocsrcc.com, November 16, 2019
 60. Inequality Concerns, in ecosocsrcc.com, December 14, 2019
 61. Veblenian Economics, in ecosocsrcc.com, December 28, 2019

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62. Employment as Private Property of Employers, in ecosocsrcc.com, January 11, 2020
 63. Amoral and Chaotic Economics Profession, in ecosocsrcc.com, January 25, 2020
 64. Industrial-Urban Transformation of Asia in Historical Perspective, in ecotalker.wordpress.com, January 15, 2020
 65. Monist and Pluralist Economics, in ecotalker.wordpress.com, January 29, 2020
 66. Sweatshops, in ecotalker.wordpress.com, February 12, 2020
 67. Special Economic Zones, in ecotalker.wordpress.com, February 28, 2020
 68. Maoism in India-the Promise and the Brutal Reality: A Review, in Global Indian Times. New York. March 12, 2020.
 69. Solidarity Economics, in ecotalker.wordpress.com, March 14, 2020
 70. To Be or Not To Be a Naxal, in ecotalker.wordpress.com, March 31, 2020
 71. How to Tackle India's Massive, Rising Unemployment, in Global Indian Times, April 1, 2020.
 72. Metastory of Economic Dislocation, in ecotalker.wordpress.com, April 6, 2020
 73. Social Dislocation, in ecotalker.wordpress.com, April 9, 2020
 74. Interview Insights: Dr. AJC Bose, in Unravel Economics, April 8, 2020, <https://unravelecon.com/features/>
 75. Review of Aparna Karthikeyan. 2019. Nine Rupees an Hour: Disappearing Livelihoods in Tamil Nadu. Westland, in Journal of Rural Development. NIRD. Hyderabad. Vol. 39, No.1, January-March 2020.
 76. Everyone's Economics, in Unravel Economics, April 15, 2020,
 77. Regrets, Lies and Truths in Economics, in Unravel Economics, April 17, 2020.
 78. Ethics of Food Consumption (Review of Ethical Vegetarianism and Veganism by Andrew Linzey and Clair Linzey eds. 2019. Routledge), in ecotalker.wordpress.com, April 18, 2020.
 79. Locked in Wicked Problems, in Unravel Economics, April 27, 2020.
 80. An Exemplary Introduction to Economics (Review of the book, Economics after the Crisis: An Introduction to Economics from a Pluralist and Global Perspective by Irene van Staveren. 2015. Routledge), in ecotalker.wordpress.com, April 29, 2020.
 81. Human Motivations in Economics, in Unravel Economics, May 11, 2020.
 82. International Capital Mobility, in Unravel Economics, May 19, 2020.
 83. Migrant Workers, in Unravel Economics, May 25, 2020.
 84. Elitist Failure, in www.ecosocsrcc.com, May 25, 2020.
 85. Making Money from Money, in Unravel Economics, June 1, 2020.
 86. Sex Problem in Economics, in ecotalker.wordpress.com, May 21, 2020.
 87. Rural Protests and Their Achievements in India, in ecotalker.wordpress.com, June 1, 2020.
 88. Becoming an Ultra-Serious Ecological Warrior, in ecotalker.wordpress.com, June 7, 2020.

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89. Corporate Sleaze (Review of William Dalrymple. 2019. The Anarchy: The East India Company, Corporate Violence and the Pillage of an Empire. Bloomsbury Publishing), in ecotalker.wordpress.com, June 13, 2020
 90. Review of John Gusdorf. 2019. Ecological Living. Routledge, in the Indian Journal of Ecology. Indian Ecological Society. 47(2). June 2020.
 91. Economic Informalization, in www.ecosocsrcc.com, June 1, 2020.
 92. Review of The Business of Humanity: Strategic Management in the Era of Globalisation, Innovation and Shared Value, Routledge, 2017, in Business Analyst, Vol.41, Issue 1, January- June 2020.
 93. Market Strategy, in Unravel Economics, June 13, 2020
 94. Understanding Reality by Fieldwork, in Unravel Economics, June 21, 2020
 95. Chinese Competition, in www.ecosocsrcc.com, June 26, 2020
 96. Apretando for Labour, Bonanza for Capital, in ecotalker.wordpress.com, June 27, 2020
 97. The Belgian-born Jean Dreze Tackles Social Development in India, in Global Indian Times, June 27, 2020
 98. Exclusionary, Ungreen Development, in Unravel Economics, June 28, 2020
 99. Stewardly Capitalism (A Review of Colin Mayer. 2018. Prosperity. Oxford University Press), in www.ecosocsrcc.com, July 10, 2020.
 100. Social Progress, in Unravel Economics, July 6, 2020.

ALOK KUMAR

Books

1. Kumar Alok, Corporate Accounting, for B. Com. (Hons.) Course of Delhi University. 2nd Ed. New Delhi: Galgotia Publishing Company, 2017.
2. Kumar Alok, Basic Corporate Accounting, for B. Com. (Programme) Course of Delhi University. 2nd Ed. New Delhi: Galgotia Publishing Company, 2017.
3. Kumar Alok, Corporate Accounting, for B. Com. (Hons.), Shiksha Sagar Publisher and Distributors, 2019.
4. Kumar Alok, Corporate Accounting, for B. Com. (Hons.) Course of Delhi University. 2nd Ed. New Delhi: Kitab Mahal Publishers, 2019.
5. Kumar Alok, Financial Accounting, for B. Com. (Hons.) Course of Delhi University. 2nd Ed. New Delhi: Singhal Publications, 2018.
6. Kumar Alok, Financial Accounting for B.Com. CBCS Curriculum. 3rd Ed. Singhal Publications, New Delhi, ISBN – 978-81-939940-6-1, 2019.
7. Kumar Alok, Basic Financial Accounting for B.Com. CBCS Curriculum. 1st Ed. Singhal Publications, New Delhi, ISBN – 978-81-939940-7-8, 2019.
8. Kumar Alok, Corporate Accounting for B.Com. (Hons.) CBCS Curriculum. 5th Ed. Singhal Publications, New Delhi, ISBN – 978-81-944650-0-3, 2020.
9. Kumar Alok, Fundamentals of Corporate Accounting for B.Com. CBCS Curriculum. 5th Ed. Singhal Publications, New Delhi, ISBN – 978-81-944650-3-4, 2020.

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10. Kumar Alok, Corporate Accounting for B. Com. (Hons.) CBCS. 1st Ed., Shiksha Sagar Publisher and Distributors, Agra, ISBN – 978-93-86114-52-5, 2019.

Research Articles

1. Kumar, Alok “An Evaluation of Public Sector Reforms” Anusandhanika’ (ISSN0974- 200X) Vol.VI, July 2008.
2. Kumar, Alok “E-initiative in Corporate Governance- An Analysis of Relevant Provisions of Companies Act 2013” Abhinav International Monthly Refereed Journal of Research in Management and technology’ (Online ISSN-2320-0073), Vol. 4, Issue 5 (May, 2015).

Paper Presentation

1. Paper presented at State Level Seminar Organised by P.G. Department of Commerce and Business Management Ranchi University, Ranchi (25-02-2005) on “Public Sector Reforms with Special Reference to MECON Ltd.”
2. IX International Conference on Finance and Business Management held at ‘Department of Commerce and Business Management Ranchi University, Ranchi, Jharkhand, in Association with STMP, New Delhi, in July 2014. “Corporate Governance - New Dimensions in India”

Distinguished Speakers

1. Participated in Two Day National Seminar on “The Direction and Condition of Modern Education in Bihar” (23-24 January, 2020) as Key Note Speaker. Seminar organised by R.D. & D.J. College, Munger.

AMIT SACHDEVA

Books

1. Sachdeva, Amit, Micro Economics: Theory and Applications–Part I, New Delhi: Kusum Lata Publications.
2. Micro Economics: Theory and Application–PartII, New Delhi: Kusum Lata Publications.

AMRITA SINGH

1. Article titled “Slow Process of Winding Up of Companies” published in Institute of Company Secretaries of India (ICSI) Journal. July 2007 issue. Co-author Dr. J. P. Sharma.
2. Chapter titled “Independent Directors-The Indian Story” published in February 2016 issue of book titled “Contemporary Issues in Corporate Governance” bearing ISBN Number 978-93- 5254-704- 3.
3. Paper titled “Impact of Independent Directors on Firm Performance in Select Indian Companies” presented for the ICGS 2016 Conference held in Boston on 1-2 October and is in process of being published.

ANIL KUMAR

Books

-
1. Kumar, Anil; L.C.Gupta and Jain, Naveen (2006). *Indian Share Buyback Practices and their Regulations: Effect on Share Prices, Dividends and Corporate Finance*. Society for Capital Market Research and Development, New Delhi
 2. Kumar, Anil (2012) *Corporate Governance: Theory and Practice*, New Delhi: International Book House
 3. Kumar, Anil (2012) *Company and Compensation Laws'* International Book House, New Delhi.
 4. Anil Kumar and Jyotsna Arora (2013) *Corporate Governance, Business Ethics and CSR*, International Book House, New Delhi.
 5. Anil Kumar (2014) *Performance Effects of Corporate Governance Code* Scholars Press Germany.
 6. Kumar, Anil (2016) *Industrial Law*, International Book House, New Delhi.
 7. Corporate Governance (Chapter 1-7, Module 4) in Edited Volume of Indian Institute of Corporate Affairs, Government of India. Published by Taxmann, 2015
 8. Kumar, Anil (2017) '*Corporate Laws*', Taxmann, New Delhi.
 9. Kumar, Anil (2017) '*Governance, Ethics and Social Responsibility of Business*', Taxmann, New Delhi

Research Articles

1. Kumar, Anil. "Audit Committee: A cross Country Analysis "Chartered Accountant, Vol.56, No.04, October, 2007, pp.574-585.
2. "Indian Code of Corporate Governance: A Critique", GGU Journal of Business, Vol.2 (I), June 2006, pp.75-84.
3. "Chairman & CEO: One job or Two?", Business Analyst, Vol.3(I), October, 2009.
4. Corporate Governance Practices in Asia, national Foundation for Corporate Governance, Government of India, New Delhi

Paper Presentation

1. 20thAsian-Pacific Conference on 'International Accounting Issues' held at Paris in November, 2006 'Independent Directors and Corporate Performance; Indian Evidence'.
2. XXIX All India Accounting Conference and International Seminar held at New Delhi in December 2006'Financial Reporting Review. International Practices'.
3. National Conference on Corporate Law held at New Delhi in December 2009 'Functioning and Effectiveness of Corporate Boards in India'.
4. 2nd International Conference on Accounting and Finance held May 2010 at Namibia organized by the University of Namibia, 'Role of Independent Directors on Corporate Boards in India: An Empirical Study'.
5. 10thInternational Conference on Emerging Global Trends and Future Challenges in Economic Development held in January, 2011 at Jaipur organized by the Rajasthan Chamber of Commerce &Industry and Research Development Association/Corporate Governance: Indian Perspective'.

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6. 13th Asian-Pacific Conference on 'International Accounting Issues' held at Beijing in October, 2011' Promoters Ownership and Performance of Companies in India'.
 7. Presented paper on Corporate Governance Code at the Third World Finance conference held in Rio de Janeiro, Brazil in June 2012.
 8. Keynote address on 'Corporate Governance Issues on Family Business' in International Conference in Advances in Business and Information Technology & Doctoral Colloquium held in Kigali, Rwanda (Africa) on March 1-2, 2017.

ARUNA JHA

Books

1. Jha Aruna. Elements of Auditing. 1stEd. New Delhi: Taxmann, 2004.
2. Students Guide to Auditing, 3rd Ed. New Delhi: Taxmann, 2004.

ABHAY JAIN

Research Article

1. Jain, Abhay." Factors Influencing Mobile Service Adoption in Rural India" Asia Pacific Journal of Rural Development, Centre on Integrated Rural Development for Asia and Pacific Vol. X VII No.1, July 2007, pp.17-28.

ASTHA DEWAN

Paper Presentation

1. The paper on "Women Empowerment: The Changing Face of Indian Society" was presented at the International Conference on "Empowerment of Women in Developing World", organized by Shivaji College, University of Delhi on Apr 1-2,2013 at Delhi, India.
2. The paper on "Wal-Mart's Entry Strategies in India: A Move towards Sustainable Development" was presented at the International Conference on "Managing MNE Dynamics and Sustainable Development: Best Strategies, Practices and Models", organized by Shaheed Bhagat Singh Evening College, University of Delhi on Dec12- 14,2012at Delhi, India.
3. The paper on "FDI in Multi-Brand Retail: A Consumer Perspective" was presented at the International Conference on "Marketing Paradigms in Emerging Economies", organized by Faculty of Management Studies, Banaras Hindu University, on Dec 4- 5,2012 at Varanasi, India.
4. The paper on "Effect of Mergers and Acquisitions on Operating Performance: A Study of Acquiring Firms in India" was presented at the Fourth Annual Business Research Conference, organized by World Business Institute, Australia and BCA Australia & New York, USA on June 4-5,2012 at Adelphi University, Manhattan Campus, New York, USA.
5. The paper on "Solving the Gender Gap through Work Life Balance: A Case of State Bank of India" "Transformational Leadership" organized by Shri Ram College of Commerce, University of Delhi, India.
6. The paper on "Microfinance: A Tool of Financial Inclusion" was presented at the National Seminar on "Shifting Gears; Jump starting a Slowing Indian

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- Economy”, organized by Delhi College of Arts & Commerce, University of Delhi on Jan14-15, 2013 at Delhi, India.
7. The paper on “Role of FDI in Multi Brand Retail in India: An Empirical Analysis” was presented at the National Conference on “FDI in India: Response and Challenge”, organized by Shaheed Bhagat Singh College, University of Delhi on Nov 5-6, 2012 at Delhi, India.
 8. The paper on “Women Empowerment through Self Help Group” was presented at the National Seminar on “Corporate Social Responsibility – A Gender Perspective”, organized by Lady Shri Ram College for Women, University of Delhi on Oct 25- 26,2012 at Delhi, India.
 9. The paper on “Corporate Governance - Corporate Social Responsibility: Complementary or Substitutes?” was presented at the National Seminar on “Corporate Social Responsibility Issues and Challenges”, organized by Kirori Mal College, University of Delhi on Aug 24-25, 2012 at Delhi, India.
 10. The paper on “Impact of Organizational Culture on Mergers and Acquisitions” was presented at the National Seminar on “Mergers and Acquisitions in Global Scenario”, organized by Kamala Nehru College, University of Delhi, on Aug 17-18, 2012 at Delhi, India.
 11. The paper on “Self Help Group – Bank Linkage Model: Performance and Social Trade- off” was presented at the National Seminar on “The Future of Corporate Finance in India”, organized by Delhi College of Arts & Commerce, University of Delhi on Mar 22-23, 2012 at Delhi, India.
 12. The paper on “A Review of Micro Finance Model: SHG-Bank Linkage Programme” international conference on “India 2020: Vision for the Financial Sector” organized by Sri Guru Gobind Singh College of Commerce, University of Delhi, on March 10- 11, 2014at Delhi, India.
 13. The paper on “Corporate Governance Practices and their Impact on Firms Performance: Evidence from IT Sector in India” was presented at the Asian Conference on “Corporate Governance and Business Sustainability” organized by Shri Ram College of Commerce, University of Delhi and Assumption University of Thailand on Oct 7-9, 2013 at Bangkok, Thailand.
 14. The paper on “Self Help Group – Bank Linkage Model: Performance and Social Trade off” was presented at the National Conference on “Challenges of Development: Re- Visit to Inclusiveness”, organized by Zakir Husain Delhi College, University of Delhi, on Jan 17-18, 2014 at Delhi, India.

Books

1. Dewan, Astha, Role of Company Secretaries - a New Perspective. The Institute of Company Secretaries of India 2010.
2. Dewan, Astha, “Performance of Self Help Group – Bank Linkage Model: A Critique”. Financial Inclusion: New Paradigms, ed. Dr M.A. Beg: Navyug Books International, Delhi, 2014.14-24.Print.

Research Papers

1. “Global Economic Crises: Impact on Micro finance”. Professional Banker, (a monthly banking digest from the Institute of Chartered Financial Analysis of India (ICFAI) University Press) March2010.

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2. "Microfinance: A Tool of Socio - economic Development from Below?" Business Analyst, April - September, 2009.
 3. "Segment-wise Role of Company Secretaries: A study". Chartered Secretary, a monthly journal published by the Institute of Company Secretaries (ICSI), New Delhi, November, 2007.
 4. The paper on "Human Right to Safe Drinking Water" has been accepted for publication in book titled Human Rights in Changing Times by Cambridge Scholars Publishing, U.K.

DEEPASHREE

Books

1. Introductory Micro economics, GE in Eco - I (CBCS), Scholar Tech Press, July 2019.
2. Micro economics, B. Com (H), Sem - I, BCH GE-1 (a) (CBCS), Scholar Tech Press, July 2019.
3. Principles of Micro economics - I, Sem - I, (CBCS), Scholar Tech Press, July 2019.
4. General Economics, CA Examination Series, for CPT, McGrawHill.
5. MCQs in Economics for CACPT, McGrawHill.
6. Managerial Economics, Ane Books.
7. Business Economics, BBA, Maximax, July 2019.
8. Principles of Microeconomics-II, Sem - II, Scholar Tech Press, January 2020.
9. Principles of Macroeconomics-II, Sem - II, Scholar Tech Press, January 2020.
10. Indian Economy: Performance and Policies, Semester IV, Scholar Tech Press, July 2019.
11. Microeconomics-Theory and Applications, Part-I, Scholar Tech Press, July 2019.
12. Introductory Macroeconomics, GE in Eco - II (CBCS), Scholar Tech Press, January 2020.
13. Microeconomics - Theory and Applications, Part-II, Scholar Tech Press, July 2019.
14. Macroeconomics for BBA, Sem- III, Scholar Tech Press, July 2019.
15. Principles of Macroeconomics-I, Semester III, Scholar Tech Press, July 2019.
16. Economic Development in India, Scholar Tech Press, July 2019.
17. Macro economics, B. Com (H), Sem - II, BCH GE-2 (a), Scholar Tech Press, January 2020.
18. Macro economics, Scholar Tech Press, July 2019.
19. Principles of Economics, Sem - I, Scholar Tech Press, July 2019.
20. Introductory Micro Economics, New Saraswati House for Class -XII, April 2019.
21. Introductory Macro Economics, New Saraswati House for Class -XII, April 2019.
22. Indian Economy, New Saraswati House for Class-XI, April 2019.
23. Numerical Problems in Economics, New Saraswati House for Class-XII, April 2019.

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24. Economic Development and Policy in India-I, Semester-V, Scholar Tech Press, July 2019.
 25. Economic Development and Policy in India-II, Semester-VI, Scholar Tech Press, January 2020.

Published Research Papers

1. "Demand Projection for Vanaspati, from 1986 to 1991", Vyapar Bharti, November 30, 1983.
2. "Privatization Techniques — A Critical Appraisal", Indian Journal of Public Enterprises. 12.21, December, 1996.
3. "Impact of Privatization in Latin America", Business Analyst (17.1), January-June, 1997.
4. "Economic Reforms and Development in Malaysia", Business Analyst (18.2), July - December, 1997.
5. "Privatization of Public Enterprises: Korean Experience", Trends in Social Science Research, (5.1), June, 1998.
6. "Privatization Implementation: Issues and Concept", Business Analyst, (22.2), July-December, 2001.
7. "Methods of Privatization", Business Analyst, (24.1), January-June, 2003.
8. "Integration of MSMEs with Global Value Chains", Indian Journal of Research, July - December, 2014.

HARENDRA NATH TIWARI

Books

1. Tiwari, H. N. and Jain, H. C. Fundamentals of Computers and Information system, New Delhi, International Book House, 2013.
2. Goyal, B.K. and Tiwari, H.N. Financial Accounting, New Delhi, International Book House, 2012.
3. Tiwari, H.N. and Mohan, Puneet. Business Studies for XIth class, New Delhi Sun India Publications, 2007.
4. Business Studies for XIIth class, New Delhi: Sun India Publications, 2007. Tiwari, H.N. and Jain, H.C. Introduction to Essential Tools, International Book House, 2013

J.K. THUKRAL

Books

1. Thukral, J.K. Mathematics for Business Studies. 15th Ed. New Delhi: Mayoor Paperbacks. 2011.
2. Business Mathematics & Statistics, 4th Edition, Mayur Paperbacks, 2011.
3. Business Mathematics, 2nd Edition, Mayur Paperbacks, 2011.
4. Business Statistics, 2nd Edition, Taxmann, 2011.
5. Mathematics for C.A. PE-1. 4th ed. 2005, New Delhi. Taxmann, 2006.
6. Mathematics Part A+C: Class XII. New Delhi: CBSE, 2006.
7. Business Mathematics and Statistics, Edition 2014, Mayur Paperback.
8. Business Mathematics, Edition 2014, Mayur Paperback.
9. Business Statistics, Edition 2014, Mayur Paperback.

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10. Mathematics for Business Studies. 17thEd. New Delhi. Mayur Paperbacks. 2014.
 11. Business Mathematics & Statistics, 6thEd., Mayur Paperbacks,2014.
 12. Business Mathematics, 3rdEdition, Mayur Paperbacks, 2014.
 13. Business Statistics, 3rdEdition, Taxmann,2013.
 14. Fundamentals of Business Statistics, Self-published, 2015 Edition.
 15. Business Mathematics, A Text Book for B.Com. -106, GGSIP University, Scholar Tech. Press, 2014.
 16. Business Statistics, A Text Book for B. Com. - 110, GGSIP University, Scholar Tech. Press,2014.

Research Papers

1. Thukral, J.K. "Ona class of Operators". Glasnik Mathematicki. 21(21). 1986. pp.381-386.
2. "M.*Paranormal Operators". Glasnik Mathematicki. 22(42). 1987. pp.123-129.
3. "On the Joint Approximate Point Spectrumll'. Tamkang Journal of Mathematics. 18 (1987) No.4. 1-6.
4. "On Left Weyl's Theorem". The Mathematics Student. 40(1982). pp.227-30.
5. "Factorisation of K-quasihyponormal operators". International J Math. &Sci. 14 (1991). pp. 439-442.
6. "Quasi-Paranormal Operators". Abstract. International Conference on Invariant Subspaces and Allied Topics. Delhi (India). 1986.
7. "On the Joint Approximate Point Spectrums". Bolltettino Delia Unions Mathematicaltaliana.
8. "The numerical range of a toeplitz operator with harmonic symbol". Journal of Operator Theory. 34 (1995). 213-216.
9. "Conditions Implying Normality". Tamkang Journal of Mathematics. 17(1986). No.4. pp.89-92.
10. "On a class of Operators". Glasnik Mathematicki. 21(21). 1986. pp.381-386.

KINNERI JAIN

Research Papers

1. Jain, Kinneri "WTO-Dispute Settlement Mechanism & Developing Countries". National Conference, SRCC,2010 (Seminar Proceedings)
2. "Consumer dispute Redressal Mechanism", Business Analyst, SRCC, 2011

KULJEET KAUR

Articles

1. Kaur, Kuljeet, "Relationship between achievement motivation and precompetition anxiety of Indian Inter-varisy Hockey players". Scientific Journal in Sports & Exercise, July- December, 2007.
2. "Competitive Trait Anxiety of the top level Indian Hockey players". Scientific Journal in Sports & Exercise, January-June, 2008.

MISHA G. GOVIL

Articles

1. Govil, Misha G. "Second Order Duality in Multi objective Programming using(F, r,s) type I Functions".Opsearch.37.42000,316-326,
2. "E-Convex and Related Functions". International Journal of Management and Systems.18.22002,193-206.
3. "Optimality Criteria in Set-valued Optimization". Journal of Australian Mathematical Society.752003,221-231
4. "Generalized E-Convex Functions in Nonlinear Programming". Indian Journal of Mathematics.452003,223-240
5. "E-Optimality for Multi objective Programming on a Banach Space". European Journal of Operations Research.2003.
6. "Cone Preinvex Vector Valued Optimization". Operational Research and its Applications: Recent Trends Proceedings of APORS-2003.1110-117.

Seminar paper

1. Govil, Misha G. "Star Convex Functions and Optimization" presented at the Sixth International Conference of the Association of Asia-Pacific Operational Research Societies held at New Delhi, India from Dec. 8 to 11, 2003.

MALLIKA KUMAR

RESEARCH PAPER PRESENTATION, RESOURCE PERSON & CHAIR IN INTERNATIONAL CONFERENCE/ PROGRAMMES.

1. Presented research paper, "*Fast tracking Financial Inclusion through Innovative Cooperative Models-Exiting Scenario and Future Prospects*" on September 2nd, 2010 at International Cooperative Alliance-Asia Pacific (ICA-AP) Regional Assembly Conference, Beijing, **China**.
2. Presented research paper "*Sustainability: An Intrinsic Nature of Cooperative Business model*" on September 24th, 2014 at International Conference on 'Global Business Sustainability' in SVSU, Michigan, **United States of America (USA)**
3. Presented research paper, "*Socio-Economic Sustainability of Financial Cooperatives in India*", 3rd European Academic Research Conference, Global Business, Economics, Finance & Banking, 3rd July, 2016 **Paris, France**
4. Presented research paper on, '*Cooperatives in the University of Delhi*', International Cooperatives Alliance -Asia Pacific workshop on *University Cooperatives in SAARC*, November 16, 2016, Hotel Ashok, **New Delhi**.
5. Resource person & Moderator for the Open forum on *UN SDGs & Campus Cooperatives* at The Global Youth Workshop organized by International Cooperative Alliance Youth Committee in partnership with EU on November 13th, 2017 at Kuala Lumpur, **Malaysia**.

6. **Guest of Honour** for Key note Address on *Agenda 2030; India's achievements* , November 21st,2018 at Research Symposium ,Colombo University, **Srilanka**.

7.Represented India as Resource person nominated by Apex National Cooperative organization, National Cooperative Union of India(NCUI) at International Cooperative School Seminar , July 24th & 25th , 2018 at **Penang, Malaysia**

8.Resource person, National Cooperative Workshop on "*Qualitative Development of the Cooperative sector*" Regional Cooperative Workshop, August 26th, 2018 **Kathmandu , Nepal**.

9.Invited as Observer by UNESCAP for the release of Trade & Investment Report & for the session on "*Youth & Digital Economy*" on November 1st, 2017 at Bangkok, **Thailand**

10. Resource person '*Small group workshop on the proposal of a study of Financial Cooperative Sector in India*' on 8thJuly, 2014 at **UNDP Committee room**, New Delhi.

11.Chair,Technical Session, **International Conference**, "*Empowering Women: Fostering Entrepreneurship, Innovation & Sustainability*" July 2018th,India International Centre, New Delhi.

12.Session Chair,**International Conference** ,Business &Management Economic Track Theme : *Disruption in Business:Embracing the age of Digitilisation*,March 30th,2019,Delhi School of Management, DTU,Delhi.

13.Co-Chair, International Conference on Globalisation, Trade and Sustainability, Kyunghee University, October 17th, 2019, Seoul, **Republic of Korea**.

14. Plenary session address, "*Education for a better world*" Centenary Conference, Cooperative College, November 28th, 2019. Rochdale, **United Kingdom**.

15.Research Paper E presentation, *Cooperation between Cooperatives: transcending borders*", International Conference, August19-20, Kyunghee University, Seoul, **Korea**Link:

https://drive.google.com/file/d/1nt1DhwPz9n2L6D2VW0ooZJNBtLTQWdpX/view?usp=drive_web

16.Research paper abstract on "*Role of Experiential Learning at business Schools in developing entrepreneurship and future business leaders*" accepted for presentation in the ACBSP Northeastern Regional 2020 Virtual Conference, October 29-30,MCNY, New York, **USA**.

INVITED LECTURES AT INSTITUTES/WORKSHOPS

A) INTERNATIONAL B) NATIONAL

A) INTERNATIONAL:

- 1) Lecture on “*Resilience of the Cooperative Business Model*” in the Intensive International Programme on June 27th, 2012 at Utrecht Business School, **The Netherland**.
- 2) Lecture on “*The Cooperative Advantage*”, July 3rd, 2013 at UBS, **The Netherland**.
- 3) Presentation on “*SRCC:International Collaborations*”, June 10th, 2014 at MCNY, **USA**.
- 4) Lecture on “*Working Together: Achieving more*” on June 29th, 2016 at UBS **The Netherland**.
- 5) Lecture on “*Cooperative Entrepreneurship- Lessons from India*”, in the Intensive International Entrepreneurship Programme October 12, 2016 at University of Wisconsin, **USA**.
- 6) Session on “*International Education*” March 20, 2017, Middlesex University, Dubai, **UAE**.
- 7) Lecture on “*Youth & Cooperatives in India*” November 2, 2017, Thammasat Univ. **Bangkok**
- 8) Lecture “*Coop. Business Model-India’s perspective*” Feb 8 2018, **Univ of Kelaniya, Sri Lanka**
- 9) Lecture on *Cooperatives & UN SDGs* February 8th, 2018, “**Univ. of Colombo, Sri Lanka**.”
- 10) Session on “*Cooperatives in education*”, SANASA Campus, February 9th, 2018 **Sri Lanka**.
- 11) Invited to **Sri Lanka Prime Minister’s residence** for a session on strengthening educational ties between India and Sri Lanka, February 8th, 2018
- 12) Presentation on SRCC International Programmes at Australian National University, Canberra, **Australia**, May 29th, 2018
- 13) Lecture on *Youth Cooperatives* at Kathmandu School of Management (KUSOM), August 27th, 2018, Kathmandu, **Nepal**.
- 14) Session on *Cooperatives and Gross National Happiness* at Gedu College of Business Studies, on October 26th, 2018, **Bhutan**.
- 15) Conducted Workshops on United Nations SDGs at Kathmandu Model College, Tribhuvan University, Lumbini Banijya Campus, Prithvinarayan Campus, July 4-7th, 2019, **Nepal**.
- 16) Invited for E lecture on *Entrepreneurship & Small Business Management – Coop Entrepreneurship & Sustainability in times of COVID-19*, July 5, 2020, **University of Colombo, Sri Lanka**.
- 17) Resource person for Webinar on Sahakari Udhyamshilta Ra Rojgari organised by INNJA Global, Vision Sanchar, July 19th, 2020, **Kathmandu, Nepal**

B) NATIONAL LECTURES/RESOURCE PERSON

- 1) **Key note address** as Guest of Honour in the Symposium on the United Nations 21st International Cooperative Day: Theme-” *Choose Cooperatives Choose Equality*” organized by National Cooperative Union of India (NCUI) on July 4th , 2015 at NCUI Auditorium, New Delhi.
- 2) **Resource person** for the National Conference on "*Women and Higher education --Present Socio Economic standpoint & future perspective*" M.KP College, Dehradun on March 28th,2018
- 3) **Panelist**, "*Opportunities and Challenges of Foreign Collaboration & Exchange in India*" International Coordination & Development Programme Summit, Shaheed Bhagat Singh College,31stJanuary 2019.
- 4) **Resource person**, State Level Youth Seminar "*Potentiality of Career build up for Youth toward Cooperatives*", Ahmedabad,30th August,2019
- 5) **Presented paper** in the Plenary session, Empowering women through Cooperatives, Mahajana First grade college, Mysore, November 7th, 2019.
- 6) Invited as Eminent Speaker, *International Day of Women Seminar* organized by Gujarat State Coop. Union, March 10th, 2020, Ahemdabad, 2020

PUBLICATIONS

- 1) *Service Quality Analysis of Cooperative Banks*, Indian Journal of Commerce ,Vol 63 No.1,Jan-March 2010.
- 2)*Sustainable Development through Cooperatives*, SAR Economist Vol.18.No.222,May 2010
- 3)“*Cooperative Banks–Need of the hour is Marketing*”,Cooperator, Vol.47 No 9, March 2010
- 4)“*Strategic Issues of Agricultural Cooperative Credit in Uttarakhand*” published in the July, 2007 issue of “Indian Cooperative Review”,Volume 45,No.1.
- 5)*Rural Cooperative credit –A Swot Analysis*”, September,2007 issue of ‘YOJANA’Volume 51.
- 6) *Statutory Reforms for Cooperatives in the State of Uttaranchal*”, (Dt 6.08.06) in Himanchal Star ,Dehradun.
- 7) “*Cooperatives in India*”,published in “Third Concept”,Volume 23 ,February 2010.
- 8) “*Rural Cooperative Credit*”in the book ‘Institutional Rural Credit Management’ Shree Publishers and Distributors. Pg 181-186

9) The e-publication as Member of UNDP Microfinance Solution exchange can be viewed at <http://www.solutionexchange-un.net.in>
or www.in.undp.org/knowledgedigest/mallika_kumar

i) "Microfinance Services through Mobile Phone Banking in Remote Areas"
<ftp://ftp.solutionexchange.net.in/public/mf/cr/cr-se-mf-ictd-23040801-public.pdf>

June 2008 ii) "Microfinance for Mountain & other remote areas"

iii) *Market place for Social Enterprise Capital* .

iv) *Microfinance Services for Mountain & other remote areas*.

v) *Financial literacy, awareness generation and establishment of Financial and Multi-purpose Cooperatives of Youth* , Dec 19th , 2014

vi) *Financial Cooperatives in the Context of Financial Inclusion* , June 2nd, 2015

10) "Youth is energy untapped", **Article** published in the leading newspaper of **Sri Lanka, Daily Mirror** dt, February 20th, 2018 . The link for the interview is :
<http://www.dailymirror.lk/article/Youth-is-energy-untapped-146199.html>

11) Article published in Nepal Khabar dt July 22, 2019

The link is : <https://nepalkhabar.com/society/3603-2019-07-22-06-28-51>

12) *Development of linkages in Indian Financial Cooperatives Environment through Interpretive Structural Modelling*, co-author, Gaurav Rana, Indian Cooperative Review, Vol.56, No.4, ISSN No.00194581, Pg 235, August, 2019.

13) *Covid, Cooperatives and Education*, The Cooperator, Vol.57 No.10, Pg43-46, April-August 2020

PARTICIPATION IN CONFERENCE/WORKSHOPS

1. Participated in the International Conference on "The Role of Cooperative Enterprises in Financial Inclusion" on 28th June, 2012 at Duisenberg Auditorium, Rabo Bank, **Netherland**.
2. Interactive Session on Socio-Economic Sustainability Dialogue with the First Secretary and Permanent Delegation of India on July 3rd, 2016 at the **UNESCO, Paris, France**.
3. Energy Nite, Innovation , Oct. 14th, 2016, **Massachusetts Inst. of Technology (MIT), USA**
4. Workshop on Innovation, October 18th, 2016, **Xerox HQ, Rochester, USA**
5. Session on Higher education, by Raziq Umar Jivani at Uris Hall, Columbia Business School, October 17th, **Columbia University , USA**.
6. Session on Poverty & Sustainable Development by Donald Lee, President of International Committee on Poverty, October 20th, 2016 at **United Nation HQ, New York**.

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7. Talk on '*India's Education policy and market-based reforms- challenges and opportunities*' by Prof. Emmerich Davies, Harvard Graduate School of Education, July 13, 2017, **The American Centre**, Delhi
 8. Co-op MIC on **ICA-Asia Pacific-European Union initiative** on March 31st, 2017 in ICA-AP Regional Centre, New Delhi.
 9. Dialogue on Youth for Development to mark the occasion of International Youth Day on Wednesday, 12 August, 2015, jointly organised by the State Bank of India and United Nations India at the **UN Conference Hall**, 55 Lodi Estate, New Delhi.
 10. **Ministerial Interaction** with UK Ministers Rt Hon Sajid Javid MP, Secy of State, Business Innovation & Skills & Jo Johnson MP, Minister of state for universities & sciences, Nov 9th, 2015, IIT, Delhi.
 11. **UN Public Lecture** by Mr. Kailash Satyarthi, Nobel Peace Laureate & Child Rights Activist, on Sustainable Development Begins with Education, December 1st, 2015, IHC, N. Delhi.
 12. Consultation meeting 'Women Leadership training', 19th Aug, 2014, IFFCO Foundation, Delhi
 13. Regional Cooperative Youth Forum for Asia Pacific, 17 - 21st July, 2013, International Cooperative Alliance Committee on Youth in Asia Pacific at Buldana, Maharashtra, India.
 14. "National Workshop on Voluntary Savings" on 9th November, 2012 at Radison Blue, organized by United Nation Development Programme (**UNDP**), New Delhi.
 15. Coop-Connect Forum "Coop Enterprise Empowers Women" 6th July, 2010 NCU, Delhi.
 16. National Microfinance Conference - "Financial Inclusion & Responsible Microfinance, organized by Sa Dhan & FICCI 17th -18th March 2010, Ashok Hotel in Delhi.
 17. Transparent Pricing Seminar, Micro Finance Transparency (USA) 12th April, 2010, Essex Farm, Delhi.
 18. 7th Microfinance India Summit- "Mission of Microfinance: Time to Reflect & Reaffirm", organized by ACCESS 15th -16th November, 2010, Ashok Hotel Delhi.
 19. Coop-Connect forum, Confronting Climate change-Role of Coop." Feb 25th, 2010, NCU, Delhi
 20. **UNDP Action Group workshop** on 'Empowering Community Based Microfinance Institutions for Poverty Alleviation & Women Empowerment', 2nd December, 2010, UNDP Conference Hall, Delhi
- MOOC E MODULES FOR SWAYAM, ARPIT, NRC (ECO), MHRD (2019)**

7. Coordinated and contributed **course outlay for 8 e-modules** on

“*Contemporary issues in Economics*” under the under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, (MHRD), 2019 You tube link : <https://youtu.be/15Dbj6judqM>

8. Contributed an **E-content**(Quadrant1) on, “*Nobel Laureate in Economics*” under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, (MHRD), 2019
9. **E lecture**(Quadrant 2) on, “*Elinor Ostrom: The first women Nobel Laureate in Economics*” under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, (MHRD), 2019.

You tube link : <https://youtu.be/BpmXhrfEsIE>

10. Contributed to **E Discussion Forum** (Quadrant 3) under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, (MHRD), 2019.
11. Contributed to **Evaluation**(Quadrant 4) under the Annual Refresher Programme in Teaching (ARPIT) Online Refresher Course in Economics, for higher education faculty through SWAYAM Portal, Ministry of Human Resource Development (MHRD), 2019.

MEMBER

1. Micro Finance Solution Exchange, United Nation Development Programme(Since 2009)
2. Team member as an Expert & Advisor for the evaluation of Central Sector Integrated Scheme on Agriculture Cooperation (CSISAC), undertaken by the AFC, Ministry of Agriculture.
3. Appointed as **Expert** by Apex organisation, NCUI for APJ Abdul Kalam Azad Scholarship 2017-18 for Research in Cooperatives in India, December 18, 2018
4. Focal Point, SRCC for ARTNET, UNESCAP(Since 2018)
5. Representing India as Member, International Cooperative Alliance-Asia Pacific(ICA-AP) Committee on Cooperatives in Educational Institutions(ICEI)(2019-2020).
- 6..Member, Foreign Student Registry(FSR), University of Delhi(2020)

MONIKA BANSAL

1. “Green Corporate Marketing Practices”, International Conference on Green Marketing, IMT Ghaziabad, September 25th-26th, 2008.
2. “Rural Innovation and Corporate Social Responsibility - A Review”, International Conference on Technology and Innovation in Marketing, IMT Ghaziabad.

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3. "Biofuel the Future", International Conference on Emerging Technologies in Environmental Science and Engineering, Aligarh Muslim University, October 26th-28th, 2009.
 4. "Renewable Energy and Conservation", International Conference on Resource Development and Environmental Change: Emerging Issues and Challenges, Aligarh Muslim University, January 27th-29th, 2009.
 5. "Capitalizing Rural Potential", Ninth International Conference on Operation and Quantitative Management, Loyola Maramount University, Los Angeles, U.S.A., June 27th-30th, 2009.
 6. Case Study on "Bharat Pariyojan Limited: Making inroads to Rural Markets" International Conference on Intercultural Communication, IMS Ghaziabad, September 3th-5th, 2009.
 7. "Ethics and Global Economy" , 2nd International Conference on Integrating Spirituality and Organizational Leadership", FMS, University of Delhi, February 9th- 12th, 2009.
 8. "Green Marketing: A Study of Consumer Attitude & Environmental Concern", 64th All India Commerce Conference, Indian Commerce Association, December 15th-17th, 2011.
 9. Environmental Consciousness, Its Antecedents and Behavioral Outcomes , 2nd Annual International Conference, Innovation in Marketing for Emerging Markets - Global Challenges and Opportunities, Academy of Indian Marketing, July 29-30, 2012.
 10. Measuring Environmental Consciousness, Third Multinational Enterprises and Sustainable Development International Conference (MESD-12), Shaheed Bhagat Singh College (Evening), University of Delhi, 12-14 Decemeber, 2012.
 11. Singh, A. K., & Bansal, M. (2012). Green Marketing: A Study of Consumer Attitude & Environmental Concern. *Indian Journal of Commerce*, 65 (2), 273-283.
 12. Sharma, K., & Bansal, M. (2013). Environmental Consciousness, Its Antecedents and Behavioral Outcomes. *Journal of Indian Business Research*, 5(3), 198-214.
 13. Bansal, M. (2013). Environmental Consciousness, Its Antecedents and Behavioral Outcomes. *Journal of Commerce and Business Studies*, 1 (1).
 14. Bansal, M. (2016). Measuring Environmental Consciousness. In *Emerging Dynamics of Sustainability in Multinational Enterprises*. Edward Elgar Publishing.
 15. Bansal, M. (2016). Sustainable Development: An Environmental Perspective. In *Dimensions in Higher Educaion*. New Delhi Publishers.
 16. Case Method Teaching Seminar, Harvard Business Case Publishing and IIM-A Case Center, 2016.
 17. Paper titled "Environmental Consciousness and Consumer Lifestyle" published in *Business Analyst* (2018), 39 (2), 57-76.
 18. Review of the Book titled "No One Understands You and What to do about it" published in *Business Analyst* (2018), Vol. 39 (1). Jan 2018-June 2018. 204-208.

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19. Paper titled "Industry 4.0: Reshaping the Future of HR" published in Scopus Indexed *Strategic Direction* (2020), Vol. 36 No. 5, pp. 9-11. <https://doi.org/10.1108/SD-12-2019-0235> (Emerald Insight, Scopus Indexed)

Papers Presented in Conferences/Seminars

1. "Green Corporate Marketing Practices" presented in International Conference on Green Marketing, September 25-26th, 2008, IMT Ghaziabad.
2. "Rural Innovations and Corporate Social Responsibility: A Review" presented in International Conference on Technology and Innovation in Marketing, February 20-21st, 2009, IMT Ghaziabad.
3. "Biofuel...the Future" Presented in International Conference on Emerging Technologies in Environmental Science and Engineering, October 26-28th, 2009, Aligarh Muslim University.
4. "Renewable Energy and Conservation", International Conference on Resource Development and Environmental Change: Emerging issues and Challenges, January 27-29th, 2009, Aligarh Muslim University.
5. "Capitalizing Rural Potential", Ninth International Conference on Operation and Quantitative Management, June 27-30th, 2009, Loyola Maramount University, Los Angeles, U.S.A.
6. Case Study on "Bharat Pariyojan Limited: Making inroads to Rural Markets" in International Conference on Intercultural Communication, September 3-5th, 2009, IMS Ghaziabad.
7. "Ethics and Global Economy" in 2nd International Conference on Integrating Spirituality and Organizational Leadership", February 9-12th, 2009.
8. "Green Marketing: A Study of Consumer Attitude & Environmental Concern" presented in 64thAll India Commerce Conference, Indian Commerce Association, December 15th- 17th, 2011.
9. " Environmental Consciousness, Its Antecedents and Behavioral Outcomes" , 2nd Annual International Conference, Innovation in

Marketing for Emerging Markets - Global Challenges and Opportunities, Academy of Indian Marketing, July 29-30, 2012.

10. "Measuring Environmental Consciousness", Third Multinational Enterprises and Sustainable Development International Conference (MESD-12), Shaheed Bhagat Singh College (Evening), University of Delhi, 12-14 December, 2012.

Workshops/MDP/FDP Attended

1. 2-day workshop on "Conducting High Quality Research in Empirical Modeling for Marketing Strategy", 6-7 February, 2020, organized by Academy of Indian Marketing & IIM-Lucknow- Noida Campus.
***Awarded with the Best Research Proposal Award**
2. Case Method Teaching Seminar, Harvard Business Case Publishing and IIM-A Case Centre, October 21-22, 2016.
3. One week FDP cum Workshop on "Analytical Techniques for Research in Social Sciences", 22-28 May, 2012, Organized by DSPSR in Collaboration with Global Network of Business Researchers.
4. FDP on "Advance Data Analysis through Data Analysis Software, June 14-26, 2010, organized by ITS, Ghaziabad in association with AICTE.
5. Two Day Case Study Workshop organized by IMD (ecch), December 15-17, 2009.
6. Two Day MDP on "Green Business" Organized by BIMTECH, April 24-25, 2009.

NAWANG GIALCHHEN

1. "Micro Insurance as a Tool to Reach Low Income Groups: An Assessment" Himalayan Journal of Contemporary Research, Vol. 3 (1), Jan-Jun 2014, pp. 727-737.
2. "Need of Insurance Education in India" Hermeneutics, Vol. 4 (2), Sep 2014, pp. 24-28.
3. "Financial Evaluation of OICL: An Analysis" Business Analyst, Vol. 37 (1), Apr-Sep 2016, pp. 47-62.

Naveen Mittal

Books

1. ***“Concept Building Approach to Income Tax Law & Practice”***, 2020, Cengage Learning India Pvt. Ltd., Delhi, ISBN-93-5350-256-X for B.Com. (H) and B.B.A of CBCS Curriculum.
2. ***“Principles of Income Tax Law & Practice”***, 2020, Cengage Learning India Pvt. Ltd., Delhi, ISBN-93-5350-286-1 for B.Com. of CBCS Curriculum.

Research papers presented

1. ***“Comprehensiveness and Intensity of Capital Budgeting Process: How to Measure?”*** at the two-day International Conference on ***“Globalization, Trade and Economic Policy: Way Towards Achieving Sustainable Development”*** organised jointly by Kyung Hee University, Department of International Business & Trade and Shri Ram College of Commerce, Office of International Programmes held at Seoul, South Korea, October 18-19, 2019.
2. ***“Measuring Comprehensiveness and Intensity of Capital Budgeting Process”*** at the three-day Global Advances in Business Communication XIth Trans Continental Conference on ***“Strategising for Global Connect”*** organised by Delhi School of Business held at Vivekananda Institute of Professional Studies, Technical Campus, Delhi, India, July 11-13, 2019.

Resource Person

1. Panelists in 2 Hours Webinar on ***“Tax Summit: How to Maximize Savings in COVID Times”*** Organised by Shyam Lal College, University of Delhi, Delhi, India, June 20, 2020.

PANKAJ CHAUDHARY

Book Reviews

1. Statistics part of Business Mathematics and Statistics, 2013.
2. Co-Authorship of “Business Mathematics and Statistics”, International Book House, 2014.
3. C-CAPM: A Test of Non Linearity in Conditioning Variable, 2016, Lambert Academic Publishing.
4. Stock Return Volatility: A Comparative study of India and China, 2016, Lambert Academic Publishing.

Research Papers

1. “Testing of Three Factor Fama-French model for Indian and US stock market”, Journal of Commerce and Accounting Research, Volume 6 Issue 2 April 2017.

PRIYANKA BHATIA

Article

1. Bhatia, Priyanka. “Production in the Indian Manufacturing Sector: a Panel Data Analysis” Indian Economics Review, Vol.-35 No.1,2000.

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2. 'Article published in 'Indian Economics Review'

PUSHP LATA JAIN

Research Articles

1. Jain, Pushp Lata "Non-differentiable multi-objective fractional programming with Hanson- Mond classes of functions", Journal of information and optimization sciences, Vol. 12, No.1, pp35-47,1991.
2. "Generalized concavity and duality in multi-objective Non-smooth programming", UTILITAS Mathematica, Vol43, pp71-78,1993.
3. "On multi-objective fractional duality for Hanson-Mond classes of functions", Journal of information and optimization sciences, Vol14, No.1, pp1-9,1993.
4. "Optimality and duality for fractional Minimax programming under Generalized invexity", Proceedings XIII Annual Convention of ORSI: Operational Research, Computers and Decision Making, pp439-448,1990.
5. "Generalized (F, r) - convexity and duality for Non-Smooth Multi-objective programs", OPTIMIZATION, Vol31, pp153-164,1994.
6. "Generalized proper efficiency and duality in multi-objective fractional programming", 1JOMAS.
7. "Generalized F-convexity and duality: An on-differentiable can", Asia-Pacific Journal of Operation Research.
8. "Anoteon fractional multi-objective Non-smooth programming" OPSErCH.

RACHNA JAWA

Book

1. Mergers, Acquisitions and Corporate Restructuring in India: Procedures and Case Studies (2009), New Century Publications
2. E-Marketing (2016), Singhal Publications
3. E-Marketing (2nd Completely Revised Edition, 2017), Singhal Publications
4. E-Marketing (3rd Ed. 2018), Singhal Publications

Research Papers Published

1. **White Paper on "The State of Youth Development- Global Analysts & Policy Recommendations"** Funded and published by Misk Foundation, Saudi Arabia and the Global Education and Leadership Forum (tGELF).
Accessible at: <https://miskglobalforum.com/our-insights/>
2. **Efficient Market Hypothesis and Calendar Effects: Empirical Evidences from the Indian Stock Markets** Business Analyst, SRCC, ISSN 0973-211X, 37(2), March 2017, 145-160 (UGC listed on the date of publication)

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3. **The Globalisation of Everything** Business Analyst, SRCC, ISSN 0973-211X, 32(2), March 2012, 0973-211X (UGC listed on the date of publication)

Research Papers Presented

1. **“Value Creation Through Mergers and Acquisitions: A Myth or Reality” International Research Conference on “Asian Conference on Corporate Governance and Business Sustainability”** organized by Shri Ram College of Commerce in Association with Assumption University Thailand, at Bangkok, Thailand, October 7-9, 2013.

RAJKUMAR SAH

Book

1. 'Corporate Accounting' For B.Com. (Hons.) of Delhi University under CBCS published by Singhal Publications, Delhi in the year 2017.

Research Articles

2. Sah, RajKumar. “Profitability Analysis - Modi Industries Ltd.” Journal of Commerce and Information Technology, Jaipur,2000.
3. Sah, Raj Kumar. “Indian Accounting Standards and International Financial Reporting Standards”. Business Analyst, October, 2011.
4. "One Person Company (OPC) under the Companies Act, 2013-Is it viable in India?" published in April-June, 2014 in "Interdisciplinary Journal of Management and Behavioral Sciences (IJMBS), a referred journal of STMP.
5. Corporate Social Responsibility (CSR) in India- Justification of a Move towards it through regulations' published in Business Analyst in volume 36 of the year 2016.
6. Provisions of presentation of proposed dividends in Balance Sheet: A Comparison of the provisions of the companies Act, 2013 and the Companies (Accounting Standards) Rules, 2006' published in Abhinav International Monthly Referred Journal of Research in Management and Technology in the year 2015, Volume IV.

RAJIV JHA

Articles

1. “Role of Foreign Direct Investment in India’s Industrial Development”, in C. P. Chandrasekhar (ed.), ICSSR Research Surveys and Explorations (Economics): Indian Industrialisation, New Delhi: Oxford University Press, 2015.
2. "Capital Scrapping and Exports: A Vintage Model," Economic and Political Weekly (vol. XLIX, no. 39, September 27, 2014).

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3. "The Analytics of the Agriculture-Industry Relationship in a Closed Economy: A case Study of India," Economic and Political Weekly (vol. 45, no. 17, April 24-April 30, 2010).
 4. "Development in the Time of Finance," Review of the book 'Capture and Exclude: Developing Countries and the Poor in Global Finance (ed) Amiya Bagchi and Gary Dymski, Tulika, 2007], Economic and Political Weekly (vol XLIV, no. 45, November 7-November 13,2009).
 5. "The Economy: Changing Tracks," Economic and Political Weekly (vol XLI, no. 50, December 16-December 22, 2006).
 6. "A Model of Exports and Investment in an Open Developing Economy", Economic and Political Weekly (vol XLI, no. 9, March 4-March 10, 2006).
 7. "Machine Tool Absorption and Capital Formation in India: Dynamics of the Equilibrium Adjustment Process" Economic and Political Weekly (vol XL, no. 9, February 26- March 4, 2005).

RAVI GUPTA

Books

1. Ahuja, Girish and Ravi Gupta. Professional approach to Direct Taxes Law & Practice, New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
2. Systematic Approach to Income Tax & VAT & Service Tax. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
3. Concise Commentary on Direct Taxes. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
4. Corporate Tax Planning & Management. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
5. Practical Approach to Income Tax & VAT & Service Tax. NewDelhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
6. Simplified Approach to Income Tax Laws. NewDelhi: Flair Publications, 2017.
7. Direct Taxes Ready Reckoner. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
8. Direct Tax Mini Ready Reckoner. NewDelhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
9. Taxation of Salaries. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
10. Taxation of Capital Gains. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
11. Law of Depreciation. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
12. Guide to Fringe Benefit Tax. New Delhi: Wolters Kluwer (India) Pvt. Ltd. (CCH), 2017.
13. Guide to Deduction of Tax at Source. New Delhi: WoltersKluwer (India) Pvt. Ltd. (CCH), 2017.
14. Compendium on Advance Readings, 2010, New Delhi, WoltersKluwer (India) Pvt. Ltd. (CCH), 2017

15. Compendium on issues on Direct Taxes, 2011, New Delhi, WoltersKluwer (India) Pvt. Ltd. (CCH), 2017

रवि शर्मा

1. काव्य और नैतिकता (आचार्य महावीर प्रसाद दिवेदी एवं मैथ्यू आर्नल्ड के संदर्भ में) आधुनिक पुस्तक उद्योग, नई दिल्ली, सन् 1988.
2. भाषा स्तंभ-(सहलेखन)-व्याकरण भाग 1-3 प्रज्ञा प्रकाशन, नई दिल्ली, सन् 1996.
3. भाषा मूल-(सहलेखन)-व्याकरण भाग 1-3 प्रज्ञा प्रकाशन, नई दिल्ली, सन् 1999.
4. पाश्चात्य काव्य चिंतन और आचार्य शुक्ल— ईशा ज्ञानदीप, नई दिल्ली, सन् 2001.
5. संघर्ष मीमांसा (काव्य संकलन)— भारतीय प्रकाशन संस्थान, नई दिल्ली, सन् 2001.
6. हिंदी दक्षता 'ग' — किताब घर, नई दिल्ली, सन् 2004.
7. हिंदी व्यवहार — किताब घर, नई दिल्ली, सन् 2005.
8. बकरी कल्चर (व्यंग्य संकलन) ज्योति इन्टरप्रिसेस, नई दिल्ली, सन् 2006.
9. ग्लोकल हिंदी (लेख संकलन) — किताब घर, नई दिल्ली, सन् 2006.
10. विरासत (धारावाहिक) — किताब घर, नई दिल्ली, सन् 2008.
11. मैं ऐसा ही हूँ, काव्य संग्रह, विश्व हिंदी साहित्य परिषद्, नई दिल्ली, सन् 2011.
12. बूँद बूँद बनती सरिता (काव्य संकलन) 2013.
13. एक पत्थर तो तबियत से (युवाओं हेतु प्रेरक लेख—संग्रह) 2013
14. अँगूठा छाप हस्ताक्षर (व्यंग्य संग्रह) 2014
15. संघर्ष मीमांसा (काव्य—संग्रह अंग्रेजी अनुवाद सहित) 2015
16. चिंतन के साहित्यिक रंग (शोधपरक साहित्यिक निबंध-संग्रह) हिंदुस्तानी भाषा अकादमी, नई दिल्ली सन 2018
17. संघर्ष मीमांसा (काव्य-संग्रह, मराठी अनुवाद सहित) विश्व हिंदी साहित्य परिषद्, नई दिल्ली सन 2019

रचना का शीर्षक	विधा	पत्रिका का नाम आदि	अंक/पृष्ठ संख्या
भारत निर्माण में डिजिटल मीडिया और उसकी भूमिका	लेख (शोधपरक)	संवाद पथ, नई दिल्ली ISSN	जनवरी-मार्च 2019 पृ. 94-99
विदेशी भाषाएँ रोजगार तो दे सकती हैं पर संस्कार नहीं	साक्षात्कार	हिंदुस्तानी भाषा भारती, नई दिल्ली	जनवरी-जून 2019 पृ. 19-21
वर्तमान परिवेश और बच्चे	लेख(विचारात्मक)	इस्पात भाषा भारती, नई दिल्ली	मई-सितंबर 2019 पृ.42-44
प्रेमचंद पर शोध की अपार संभावनाएँ - डॉ. गोयनका	साक्षात्कार	अक्षरा, भोपाल	जुलाई 2019 पृ. 51-57

गाँधी जी एवं विज्ञान	लेख(विचारात्मक)	आधुनिक साहित्य, नई दिल्ली	जुलाई-दिसंबर 2019 पृ. 22-23
गाँधी जी और स्वदेशी	लेख(विचारात्मक)	यूथ कैपस, नई दिल्ली	अक्टूबर 2019 पृ. 24
गाँधी जी का चिंतन	लेख(विचारात्मक)	यूथ कैपस, नई दिल्ली	अक्टूबर 2019 पृ. 25-26
गाँधी जी एवं विज्ञान	लेख(विचारात्मक)	यूथ कैपस, नई दिल्ली	अक्टूबर 2019 पृ. 27
कैसी नारी मुक्ति	लेख(विचारात्मक)	हमारा दृष्टिकोण - स्मारिका, जयपुर	अक्टूबर 2019 पृ. 13-14
नागरी की पुरानी वर्तनी छोड़िए, नई से नाता जोड़िए	लेख(विचारात्मक)	नागरी संगम, नई दिल्ली	जनवरी-मार्च 2020 पृ. 13-16

REENA CHADHA

Books

1. Chadha, Sumant and Chadha, Reena -Corporate Laws, Mayur Paperbacks, New Delhi, 2011.
2. Company and Compensation Laws, Mayur Paper backs, New Delhi, 2012.

RENU AGARWAL

Articles

1. Verma, D.P.S. and Agarwal. Renu- "Recent Liberalisation measures: Impact for Indian markets" Management Review - Vol. 17 IV.
2. Agarwal, Renu and Jain, Sanjay - "Strategic approach to Advertising Agency Management-A comparative study- "Business Analyst-vol.12No.1 July-December 1991.

RITURANJAN

Book

1. Rituranjan MicroEconomics: Theory and Applications, Vol.1 and Vol.2 New Delhi: Books India International, 1999.

Articles

1. Rituranjan, "A Quantitative Analysis of Inflationary Trends in India", Business Analyst, New Series, Vol.2, No.2, October-March2007-08.
2. "Indian Economy: Which Way Now? - A Report", Business Analyst, New Series, Vol. 1, No. 2, October-March2006-07.

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3. "Financial Reforms and the Efficiency of the Indian Financial System", Business Analyst, New Series, Vol1, No.1, April-September2006.
 4. "Globalization and the New Wave of International Trade Blocks", Business Analyst, Vol.21, No.2, July-December2004.
 5. "Socio Political Dimensions of Institutional Credit Allocation in India", Business Analyst, Vol.21, No. 1, January-June, 2000.
 6. "Ethical Issues in Business and Finance", Business Analyst, Vol.20, No.2, July-December,1999.
 7. "Value of Transactions Time and Recent Developments in the Theory of Demand for Money", Business Analyst, Vol19, No.2, July-December, 1998.
 8. "Emerging Structure of the Indian Financial System" Business Analyst, Vol.19, No. 1, January-June, 1998.
 9. Implication of Inter linkages between Growth of Financial Sector and Economic Development for Indian Business". Business Analyst, Vol.18, No.2July-December 1997.
 10. Parallel Economy in India: The Problem of Quantification?" Business Analyst, Vol.18, No. 1, January-June,1997.
 11. The Demand for money in India: An Econometric Analysis". Business Analyst, Vol. 17, No. 1, January-June,1996.
 12. "Demographic Dividend and Demography - Development Link", Business Analyst, Volume 35, Issue 2, October 2014 - March,2015.
 13. "Financial Inclusion in India: Retrospect and Prospects", Business Analyst, Volume 35, Issue1, April-September, 2014.
 14. "Inflation: A Significant Obstacle to the Growth of Indian Economy", Business Analyst, Volume32, Issue1, April-September, 2011.
 15. "Resilience of the Indian Economy", Business Analyst, Volume 31, Issue1, April-September, 2010.

R.P. RUSTAGI

Books

1. Rustagi, RP. Financial Management: Theory Concepts and Problems. New Delhi: Taxmann,2011.
2. Derivatives and Risk Management: Taxmann, New Delhi,2014.
3. Fundamentals of Financial Management. New Delhi: Taxmann,2017.
4. Principles of Financial Management. New Delhi: Taxmann,2012.
5. Problems & Solutions in Financial Management. New Delhi: Taxmann,2011.
6. Management Accounting. New Delhi: Taxmann,2011.
7. Accounting Standards. New Delhi: Galgotia Publishing Co.2005.
8. Financial Analysis and Financial Management, New Delhi: Sultan Chand and sons. 2010.
9. Fundamentals of Management Accounting, Taxmann, New Delhi,2017.
10. Financial Management for Bankers, New Delhi: Sultan Chand and Sons.2006
11. Investment Management, New Delhi: Sultan Chand and Sons, 2014.
12. Working Capital Management, New Delhi, Taxmann, 2011.
13. Elements of financial Management, New Delhi, Taxmann, 2010.
14. Strategic Financial Management, Sultan Chand and Sons, New Delhi, 2015.
15. Basic Financial Management, Sultan Chand and Sons, New Delhi, 2017.

RUCHI KAUSHIK

Books

1. Published Cambridge Listening and Speaking XI (2014). UK: Cambridge University Press.
2. Co-authored and co-edited Language, Literature and Creativity II (2013) with Mukti Sanyal et al. Delhi: Orient Blackswan and Delhi University.

Book Chapters

1. Chapter titled "Sensitizing Students to Social Issues in Literary Texts: Rethinking Gender" in Khanna & Gupta ed. Essential Readings for Teachers of English: From Research Insights to Classroom Practices (2012). Delhi: Orient Blackswan.
2. Kaushik, Ruchi. (2020). "Quality and Integrity are essential features of Distance Learning: An interview with Richard Allen." In Sethi & Khanna (eds.) *Dialogues: English Studies in India*. Delhi: Aakar. pp. 183-190. ISBN 978-93-5002-626-7.

Research Publications

1. Article titled "Rethinking Teaching and Learning of English: Exploring the Perceptions of Students for Developing Needs-based Materials in FORTELL: Journal for teaching English Language and Literature, Issue no.32, January, 2016. ISSN.NO. Print: 2229-6557, online: 2394-9244.
2. Co-Guest Editor, FORTELL: Journal for Teaching of English Language and Literature, Issue no.30, January 2015. ISSN.NO. Print 2229-6557, online 2394-9244.
3. Published an article titled "Interdisciplinary Crossings in Classroom Interactions" in *Urdhva Mula: Roots Upwards, an Inter Disciplinary Women's Studies Journal*, Vol.5, No.1, 2008. Bombay: Bombay University Publication.

Paper Presentations

1. Presented a paper titled 'Issues and challenges of being English teachers-cum-materials developers: A perspective' in the National Conference organized by Central Institute of Education, Delhi University on 3 March 2017.
2. Awarded the US State Department Individual Award to present a paper in the workshop mode titled "Designing Games for Language Gains: Enhancing Speaking Skills Amongst Learners" (on 7th April) at the 50th TESOL 2016 International Convention & English Language Expo from 5-8 April 2016 in Baltimore, Maryland, USA.
3. Presented a paper on "Teaching and Learning of English in Indian Universities" at the International Workshop on Prospects for English Studies: India and Britain Compared jointly organized by Open University, UK and Jawahar Lal Nehru University on 5-6 April, 2012.
4. Co-presented a paper with Mukti Sanyal et.al. on "Are You Listening? Designing Innovative Listening Tasks at the Tertiary Level" at the 10th Asia TEFL (Teaching of English as a foreign Language) International Conference held in Delhi from 4-6 October, 2012 in Delhi.

Book Review

1. Published a book review of Task-Based Language Learning and Teaching with Technology in Language and Language Teaching Issue no. 7, Number 1, Volume 4, January 2015.

Online

1. Video lecture on "Role of the teacher in developing students' communication skills" for ARPIT Refresher Course in Commerce, organized by National Resource Centre, Shri Ram College of Commerce. (Posted 3 December, 2019; duration 30:44).

Participation in conferences/workshops

1. Participated in an international workshop on " Cross-cultural Communication and Negotiation" organized by Delhi School of Business, Pitampura on 10 July, 2019.

SOUMITRA KUMAR CHOUDHURY

Book

1. Choudhury, Soumitra Kumar, AnjanaN.Dev et.al. (Deptt. Of English, University of Delhi), Business English, New Delhi: Pearson Longman, 2008.

Book Reviews

1. Choudhury, Soumitra Kumar. "The Lady Hippopotamus and Other Stories by Rajiva Wijesinha, Colombo: English Writers Cooperative of SriLanka, 1991". "Giriya by Punyakante Wijenaikie, Colombo: State Printing Corporation, [1970; rep.]1990". "Yukthi and Other Stories by Punyakante Wijinaikie, Himbutuwelgoda, Kalaniya, Sri Lanka: New Kelani Printers, 1991". In-Between: Essays and Studies in Literary Criticism.I, II, September 1992, pp.181-185.
2. "Fire Beneath the Cauldron: A Canadian Fiction Anthologyed by Geoff Hancock, Saskatoon: Thistle down Press,1991." In-Between: Essays and Studies in Literary Criticism.II, I, March1993, pp.103-105.
3. "Western Ice landic Short Stories ed. And trans. By Kirsten Wolf and Arny Hjaltadottir, Winnipeg: University of Manitoba Press, 1992." In-Between: Essays and Studies in Literary Criticism. II, I, March1993, pp.111-114.
4. "The Book of Heroes: A Collection of Light Verse and Much Worse by Tabish Khair, Delhi: Rupa, 1994." The Weekend Observer (Observer of Business and Politics) New Delhi ed n. Decembers,1994.
5. "The Narrator: A Novel by Makarand Paranjape, Delhi: Rupa, 1995". The Weekend Observer (Observer of Business and Politics). New Delhi edn. March25, 1995.
6. "British Life in India: An Anthology of Humourous and Other Writings ed. by R.V. Vernede, Delhi: OUP, 1995". The Weekend Observer (Observer of Business and Politics) New Delhi ed. May 6,1995.
7. "Looking Through Glass by Mukul Kesavan, New Delhi: Ravi Dayal, 1995". The Weekend Observer (Observer of Business and Politics) New Delhi ed. June10, 1995.
8. "Science and the Raj by Deepak Kumar, Delhi: OUP, 1995." The Weekend Observer (Observer of Business and Politics) New Delhi edn. June 24,1995.
9. "Patrons and Philistines: Art sand the State in British India by Pushpa Sundar, Delhi: OUP, 1995." The Weekend Observer (Observer of Business and Politics). New Delhi ed. November 11,1995.
10. "Raj Constructs of Women", Women and Empire: Representations in the Writings of British India by Indrani Sen, Delhi: Orient Longman, 2002." Frontline, March 26,2004.

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11. Travels to Europe: Self and Other in Bengali Travel Narratives, 1870-1910 Simonti Sen (New Perspectives in SouthAsian History; NewDelhi: Orient Longman,2005) in Social Scientist, Vol.34, Nos.7-8, July-August2006.
 12. Memsahib's Writing: Colonial Narratives on Indian Women edited by Indrani Sen, Delhi: Orient Longman, 2008 in Social Scientist 438-439, November-December,2009.

Articles

1. "For Truth's Defence: On Literary Satires." The Weekend Observer (Observer of Business and Politics) New Delhi ed. Decembers, 31994.
2. "Appropriating Academia: On Campus Novels." The Weekend Observer (Observer of Business and Politics) New Delhi ed. December17,1994.

Interviews

1. "Indian Poetry Lacks Humour: An Interview with Tabish Khair". The Weekend Observer (Observer of Business and Politics) New Delhi edn. Decembers,1994.
2. "A Pseudo-Historical Novel: An Interview with Mukul Kesavan". The Weekend Observer (Observer of Business and Politics) New Delhi edn. July 22, 1995.

SHAILESH KUMAR CHAWLA

Book

1. Chawla, Shailesh K. Essential Business Communication. New Delhi: Mayoor Publications, 2005.

SMITA SHARMA

Book

1. Sharma, Smita. Business Law. New Delhi: Mayur Paperbacks, 2007. Business Law for B.Com.

SUMAN BHAKRI

Books

1. Bharat ka Arthik Vikas, 2001, Books India International Human Development in India, New Delhi, Ane Books.
2. Indian Economic Development, 2001, Books India International
3. Bhartiya Arth Vyavastha ka Vikas, 2002, Kalyani Publishers, ISBN 8127201138
4. Indian Economic Development, 2002, Kalyani Publishers, ISBN 8176638242
5. Human Development in India, 2005, Ane Books ISBN 9788180520600
6. Statistical Data on Indian Economy, 2005, Taxman Publishers, ISBN 8174966145
7. Indian Economy Performance and Policies, McMillan ISBN 140392631 X
8. Indian Economy Performance and Policies, 2012, Pearson ISBN 9789325986671
9. Indian Economy Performance and Policies, 2014, Vikas Publishing House ISBN 9789325980631

Book Review:

-
1. Review UNDP, Human Development Report, International Journal 'Development 2002', Vol 45, Issue 3
 2. Reviewed an article "Measuring Antecedents of Children's Attitude towards television advertising" for Amity Journal of Commerce and Financial Review. Issue 3

Paper Presentation:

1. Top Managements' Perspective of Human Resource Development of India at 'Conference on Changing Perspectives of Management, Revisiting the Existing & Explore the Novel Ideas' at Nepal Academy of Management & KFA Business School, Kathmandu
2. Pragmatism in a Research and Design at '10th European Conference on Research Methodology for Business and Management Studies' at Normandy Business School, Cean, France
3. Macro Policies - Micro Strategies of MSME at 'National Conference on Strategies for Business Excellence' at Delhi Technical Campus School of Management, GGSIPU, Delhi
4. Business Excellence- Bull Trends in Exports at 'National Conference on Strategies for Business Excellence' at Delhi Technical Campus School of Management, GGSIPU, Delhi
5. FDI: Real Boost to GDP of Emerging Economies at 'International Conference on Economics, Finance and Statistics 2018' at International Engineering and Technology Institute, Hongkong.
6. Trade War: War of Dominance. International Conference on Business, Accounting, Finance and Economics (BAFE) 2019, Malaysia, October 4, 2019
7. Kart to Mart --Game Changer for Indian E-Commerce industry? International Conference on Business, Accounting, Finance and Economics (BAFE) 2019, Malaysia, October 4, 2019
8. Economics and E-commerce in Post Covid Era- Main Speaker in National Webinar on Prospects of E-commerce in Emerging economies in Post Covid Era organized by Department of Commerce, PG College University of Allahabad, 6-7 July, 2020

Memberships:

- Editorial Board Member of 'myecommercejournal' of VOLKSON PRESS
- Senior member of International Engineering and Technology Institute (IETI)
- Member, Technical Committee International Symposium on Big Data and Artificial Intelligence (ISBD AI 2019)
- Member of International Research Institute for Economics and Management (IRIEM)
- Member, Institute of Data Science and Artificial Intelligence (IDSAI)
- Member of Global Association for Humanities and Social Science Research (GAHSSR)

PH.D. Supervisor

- Appointed Supervisor for Ph.D. Research Scholars for **Department of Commerce, University of Delhi.**
- Appointed Co Guide for a Research Scholar for Ph.D. Programme **ACCF, Amity University**

SURYA PRAKASH

Books

1. Fundamental of Marketing ISBN 978-93-272-5641-3, 2015 Kalyani Publishers, 4863/2B, Bharat Ram Road, 24, Daryaganj, New Delhi-110002.
2. Advertising Management ISBN 978-93-272-4778-7, 2014 Kalyani Publishers, 4863/2B, Bharat Ram Road, 24, Daryaganj, New Delhi-110002.
3. Fundamental of International Business, ISBN: 978-93-83283-05-7, 2014 International Book House P.Ltd.,2/42, Ansari Road, Daryaganj, New Delhi, India.
4. Marketing Management, ISBN 978-93-272-3254-7,2013 Kalyani Publishers, 4863/ 2B, Bharat Ram Road, 24, Daryaganj, NewDelhi-110002.
5. Strategic Marketing (Hindi Edition) ISBN 978-93-272-3407-7, 2013 Kalyani Publishers, 4863/2B, Bharat RamRoad, 24, Daryaganj.NewDelhi-110002.
6. Principles of Marketing, ISBN978-93-272-2372-9, 2012, Kalyani Publishers, 4863/ 2B, Bharat RamRoad, 24, Daryaganj, NewDelhi-110002.
7. Principles of Marketing (for Gulbargah and Karnataka University) ISBN: 978-93-272-2444-32012, Kalyani Publishers, 4863/2B, Bharat Ram Road, 24, Daryaganj, New Delhi-110002.
8. Marketing Management Text and Cases, ISBN: 978-93-272-2843-4, 2013 Kalyani Publishers, 4863/2B, Bharat RamRoad, 24, Daryaganj, NewDelhi-110002.
9. Marketing and Services Management, ISBN: 978-93-272-2914-1, 2013, Kalyani Publishers, 4863/2B, Bharat Ram Road, 24, Daryaganj, NewDelhi-110002.
10. Strategic Marketing, ISBN: 978-93-2722921-9, 2013, Kalyani Publishers, 4863/2B, Bharat Ram Road, 24, Daryaganj, New Delhi-110002.
11. E-Marketing, 2011, Swati Prakashan, 358- A Shivaji Road Govind Lok, Near N.A.S. College, Meerut.

Research Papers and Articles

1. "Globalization and Its Impact on Indian Consumer Markets: Emerging Issues and Challenges" VSRD International Journal of Technical & Non-Technical Research, Vol. IX Special Issue, ISSN 2319-2216, February 2018.
2. "Impact of GST on Indian Consumer Market: A study of FMCG Sector" Research Journal (Multidisciplinary International E-research Journal, ISSN-2348-7142, Special Issue-XXVII (A) January 2018.
3. "FDI and Its Impact on Indian Retail Sector: An Emerging Issues and Challenges" Hermeneutics (A Biannual Refereed International Journal of

Business and Social Studies) ISSN: 2231-6353, RNI-UP/ENG/2011/36701, Volume 07 Number 01 March 2017.

4. "Rural Marketing Practices in 21st Century: A strategic outline for Sustainable Development of Rural India" Scholarly Research Journal for Interdisciplinary studies (special Issue) Jan- March 2017, ISSN 2319-4766 vol. 6, Issue-23
5. "Brand Management: A Conceptual Framework for Competitive Markets" Aatmbodh, Journal of Rajarshi School of Management & Technology, ISSN: 0972-1398, Vol. XII, No.02, Autumn 2015.
6. "Marketing Practices in 21st Century: An Ethical Perspective" Hermeneutics (A Biannual Refereed International Journal of Business and Social Studies) ISSN: 2231-6353, RNI-UP/ENG/2011/36701, Volume 05 Number 01 March 2015.
7. Marketing In the Twenty First Century: Issues and Challenges" Commerce Times (International Journal of Commerce) ISSN2320-9461, April2014.
8. Business Ethics and Green Marketing Initiative: A Global Prospective" Hermeneutics (A Biannual Refereed International Journal of Business and Social Studies) ISSN: 2231-6353, RNI-UP/ENG/2011/36701, Volume 04 Number 01 March2014.
9. "Power Sector Reform in India: An introduction" Aatm bodh, Journal of Rajarshi School of Management &Technology, ISSN0972-1398, Vol. I, Autumn, 2008.
10. "Uttaranchal Seeds & Tarai Development Corporation Ltd.: An Over- view" ANVIKSHIKI (BI-Monthly International Journal of All Research) ISSN:0973-9777, Vol.9, Month November December, 2008
11. "Dimension of FDI in India after Liberalisation" Commerce and Business Studies, issue1, volume2, (BI-Annual Journal of Economic Commerce and Management) ISSN: 0974-1879, published by Avadh Commerce and Management Association, Faizabad, 2008.
12. "Globalization and Indian Banking Sector: Challenges and Opportunities" Fourth issue of ANVIKSHIKI (BI-Monthly International Journal of All Research) ISSN: 0973-9777, Vol.8, Month September October, 2008
13. "Emerging trend of FDI: A Global outlook" Research Journal of Philosophy and Social Sciences, (Special Issue) ISSN: 0048-7325, Volume xxxiv 2008.
14. "Present Scenario of VAT in India compare with sale tax" Fourth issue of ANVIKSHIKI (BI-Monthly International Journal of All Research) ISSN: 0973-9777, Vol.No.7 month July-August, 2008.
15. "Foreign Direct Investment: India Vs China" Research Journal of Philosophy and Social Sciences, ISSN: 0048-7325, No.1, 2 Volume xxxiv (2008).
16. "Retailing in India: Emerging Trends Challenges and Opportunities", ANVIKSHIKI (BI-Monthly International Journal of All Research) ISSN: 0973-9777, Vol.3, No.-1, Month November December,2008.
17. "E-banking Scenario in India" (Abstract) Souvenir UGC Sponsored National Seminar, 5-6 May, 2007 on Indian Banking Today: Search for better tomorrow. Organized by Department of Commerce, Marwari College, Bhagalpur (T.M. Bhagalpur University, Bhagalpur).
18. "Retail Banking Scenario in India" The Handbook of Seminar Proceedings 2007-08, National Seminar on Financial & Insurance Sector dated December 15-16, 2007 organized by School of Management Sciences, Varanasi.

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19. "Infrastructure and Industrial Development of India" (Abstract) The India Journal of Commerce, Quarterly Publication of the Indian Commerce Association, Vol-60, No-3, July-September 2007.
 20. "Infrastructure and Economic Development in India" (Abstract) The India Journal of Commerce, Quarterly Publication of the Indian Commerce Association. Vol-60, No-3, July-September 2007.
 21. "Working of VAT in India" ISSN: 0972-7779, Access Research Journal, Vol.III (4) October, 2005.
 22. "Marketing Practices in 21st Century: An Ethical Perspective" Hermeneutics (A Biannual Refereed International Journal of Business and Social Studies) ISSN: 2231-6353, RNI-UP/ENG/2011/36701, Volume 05 Number 01 March 2015.
 23. "Ethical Issues in Creative Accounting on the Job Performance of Accounting Professionals: An Indian Perspective" International Journal of Multidisciplinary Research (IJMR) Vol.III Issue6(III), September 2014, ISSN:2277-9302

Paper Presentation

1. "Holistic Marketing: An Approach to Business Excellence and Growth" presented in 5th International Conference organized by CMAI and Pegasus International College, Da Nang, Vietnam during 25-27 January 2018 at Da Nang, Vietnam.
2. "Marketing For Services : A Strategic Approach to Tourism and travel Services in India" Three Days International conference cum workshop on Sustainable entrepreneurship development practices in Tourism and Hospitality Sector in the Himalayan States, Organised by Center for Mountain Tourism and Hospitality Studies, HNBB University (A Central University) and Ministry of Tourism, Govt. of India during April 28-30, 2017 at Rishikesh, Uttarakhand
3. Sustainability of Business: A Marketing Perspective" presented in 4th International Conference organised by CMAI and Lyceum of the Philippines university, Manila, Philippines during 2-4 February 2017 at Manila, Philippines.
4. "Role of Rural Marketing in Development of Rural India" in International Conference during June 3-4, 2016, Organized by Gaeddu College of Business Studies, Royal University of Bhutan, Bhutan
5. "Marketing In 21st Century: An Ethical Issues" 6th International Conference on Business and Finance October 14-16, 2014, Windhoek, Namibia. Organized by SRCC and University of Namibia
6. "Impact of Globalization on Indian Markets: An Emerging Issues" 69th All India Commerce Conference- 2016, November 11-13, 2016, Organized by Indian Commerce Association and Faculty of Commerce, University of Lucknow, Lucknow.
7. "A Study of Empowerment of Rural Women Through Self-help Group" 69th All India Commerce Conference- 2016, November 11-13, 2016, Organized by Indian Commerce Association and Faculty of Commerce, University of Lucknow, Lucknow.
8. E- Commerce in India: Prospects and Challenges in National seminar on Vision 2030, Strategies for Industries & Academia dated November 27-28, 2016, Organised by HPCMA and Government College Bilaspur, Himanchal Pradesh.

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9. "Role of Tourism Industry in the Growth of Economy in the state of Himanchal Pradesh" National seminar on Potential & Prospects of Tourism Industry in India with special reference to state of Himanchal Pradesh dated September 16-17, 2016, Organised by G.G.D.S.D. college Rajpur (Palampur), kangra (H.P.) and ICSI, New Delhi.
 10. "Accounting as Strengths in Business Prospects" in 38th All India Accounting Conference & International Seminar on accounting and Research, dated December 5-6, 2015, organized by University Business School, Punjab University, Chandigarh & IAA, Chandigarh Branch .
 11. "Role of Accounting in Development of Business Paradigm in India" in 38th All India Accounting Conference & International Seminar on accounting and Research, dated December 5-6, 2015, organized by University Business School, Punjab University, Chandigarh & IAA, Chandigarh Branch .
 12. "Tourism Marketing in India: An Opportunity Ahead" In international Conference dated May 2-3, 2015 organised by Department and Economics and Tourism, B.H.U., Varansi
 13. "Brand Management: A Conceptual framework for Competitive Markets" in International Seminar on Vision for Varansi- Approach to City Management, in association with Municipal Corporation of Varansi and Washington State University (USA) dated February 7-8, 2015, Organised by Rajarshi school of Management and Technology, Varanasi.
 14. "Ethical Issues and Green Marketing Initiative" in Asian Conference on Corporate Governance and Business Sustainability, Bangkok, Thailand. On October 7-9, 2013, organized by SRCC and Assumption University of Thailand, Bangkok.
 15. "Goods and Service Tax: A Paradigm Shift in Indirect Taxation in India."In XXXIII All India Accounting Conference and International Seminar on Accounting Education and Research, held on November 13-14, 2010 at Thiruvananthapuram, Organized by University of Kerala and Indian Accounting Association, Kerala branch.
 16. Retail Banking in India' in National Conference held on 2nd and 3rd February 2008, on National Conference on Management: Beyond Repertoire in School of Management Sciences. Varanasi.
 17. "Foreign Direct Investment: India vis-a-vis China" in Eight International Conference, held on 3-5 January 2007 on India: Investment Destination. Organized by GGS Indraprastha University, New Delhi.
 18. "Retailing in India Challenges and Opportunities" in 60th All India Commerce Conference on 27-29, December 2007. Organized by Department of Commerce, Osmania University, and Hyderabad.
 19. "Contemporary Issues in Indian Retail Sector" in National Seminar on Retailing in India: Emerging Trends held on 27-28 October 2007, Organized by Faculty of Commerce and Management Studies, Mathama Gandhi Kashi Vidya Pith Varanasi.
 20. "Retail Banking Scenario in India" in National Seminar held on 15th & 16th December, 2007, on Changing Dimension in Financial & Insurance Sectors, Organized by School of Management Sciences. Varanasi.
 21. "Customer Relationship Management in Banking Sector" in National Conference held on 2nd and 3rd February 2008, on National Conference on Management: Beyond Repertoire in School of Management Sciences. Varanasi.

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22. "Infrastructure and Economic Development in India" in 59th All India Commerce Conference, held on 28-30 December 2006 Organized by Faculty of Commerce and Management Studies, Andhra University, Visakhapatnam (A.P.)
 23. "E-Banking in India" in National Seminar on Financial Sector Reforms in India held on 24 to 25 Feb. 2006 Organized by Faculty of Commerce, B.H.U. Varanasi.
 24. "Infrastructural and Industrial Development of India" in 59th All India Commerce Conference held on 28-30 December 2006 Organized by Faculty of Commerce and Management Studies, Andhra University, Visakhapatnam (A.P.)
 25. "Introduction of VAT in India Compared with Sales Tax" in National Seminar on Financial Sector Reforms in India held on 24 to 25 February 2006, Organized by Faculty of Commerce, B.H.U. Varanasi.
 26. "Working of VAT in India" in National Seminar on Financial Sector Reforms in India held on 24 to 25 Feb. 2006, Organized by Faculty of Commerce, B.H.U. Varanasi.
 27. "Impact of Globalisation on Indian Entrepreneurship" in 58 All India Commerce Conference held on 27-29 December 2005, organized by Faculty of Commerce and Management Studies, Mathama Gandhi Kashi Vidyapeeth, Varanasi.

Participation in Conferences and Seminars

1. National Conference on Transformational Leadership 2013, on April 6, 2013. Organized by Shri Ram College of Commerce, University of Delhi, Delhi.
2. National Conference on FDI in India: Response and Challenges, on November 5-6, 2012. Organized by Shaheed Bhagat Singh College, University of Delhi, Delhi.
3. National Conference on Merger and Acquisitions - Issues, Opportunity and Challenges on January 20-21, 2012. Organized by Shaheed Bhagat Singh College, University of Delhi, Delhi.
4. International Conference on Corporate Governance: The Road Ahead on March 27-28, 2012. Organized by Shri Ram College of Commerce, Delhi.
5. XXIV Annual Convocation 2011 on "Indian Financial Sector - Agenda for Reforms" on September 17, 2011, organized by Department of Financial Studies, University of Delhi, Delhi

SANTOSH KUMAR

Book Reviews

1. "Crises as conquest: learning from East Africa" by Prof. Jayati Ghosh & C.P. Chandra Sekhar in Business Analyst, (Jan-June, 2003).
2. "Financial markets in India" by Rakesh Sahani in Business Analyst, (April-September, 2007).
3. "Globalization and Development" by Sunanda Sen, National Book Trust, New Delhi, in Business Analyst, October-March, 2008.
4. "Poor Economics: Rethinking Poverty and the Ways to End it", By Abhijit V. Banerjee and Esther Dufelo, Random House India, in Business Analyst, April-September, 2011. Vol.32, Issue-1.
5. 'Heterodoxy over the Failed Main stream' titled book are view of "Wealth and welfare: An Expedition into Real Life Economics", by C.T. Kurian, Books for Change and International Publishing Housing, Bangalore, in Economic and Political Weekly, Vol. XLIX, No.35, August 30, 2014.

Research Article

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1. Kumar, Santosh. "The effectiveness of capital controls in the prevention of financial crises: a developing country's perspective" *Business Analyst*, (July-December, 2004).

SANTOSH KUMARI

1. Kumari, S. (2014). Corporate Governance is not a Significant Predictor of Financial Performance. *Business Analyst*, 35 (1), 179-215. (ISSN 0973-211X)
2. Kumari, S. & Anand, S. (2014). Corporate Governance and Financial Performance: An Investigation of Relationship, *International Journal of Social Science and Interdisciplinary Research (IJSSIR)*, 3 (3), 56-88. (ISSN 2277-3630)
Access at:
<http://www.indianresearchjournals.com/pdf/IJSSIR/2014/March/6.pdf>
3. Kumari, S. (2013). Corporate Governance and Financial Performance: A Review of Literature. *Business Analyst* 34 (1), 199-218. (ISSN 0973-211X)
Access at:
http://www.srcc.edu/sites/default/files/2013_April_September_Vol_34_Issue_1.pdf
4. Kumari, S. & Chhabra, S. (2013) Understanding Leadership through Leader Competency Profiling. *Business Analyst* 33 (2), 37-54. (ISSN 0973-211X)
Access at:
http://www.srcc.edu/sites/default/files/2012_October_March_13_Vol_33_Issue_2.pdf
5. Kumari, S. and Chhabra, S. (2013, April), A Study of Competencies Possessed by Leaders of Global Brands. In Sharma, C. S. & Singh, R. K. (Eds.). *Transformational Leadership and Beyond*. Paper presented and published at the Proceedings of the National Conference on Transformational Leadership, Shri Ram College of Commerce, University of Delhi (pp. 28-40), Delhi, Excel India Publishers (ISBN 9789382880264).

Refereed Journal

1. Reviewed papers as a Referee during the year 2015-2016 for an International Journal titled 'Educational Management Administration & Leadership, SAGE Publication (Los Angeles, London, New Delhi, Singapore, Washington DC and Melbourne)' ISSN: 1741-1432 [print]; 1741-1440 [online]. Pp.872 874 Access at: <http://journals.sagepub.com/doi/pdf/10.1177/1741143216663993>

Dr. TARUN MANJHI

Paper Presentation

1. "Land, Labour and Livelihood: A story about Landlessness and Migration of Labour from the State of Bihar" at Sam Moyo Memorial Conference-Land and Labour question in the Global South, organised by the Centre for Informal Sector and Labour Studies, School of Social Science, Jawaharlal Nehru University (JNU), new Delhi from February 21-23, 2018.
2. "A Brief History of Labour Migration from Bihar: The Story of Underdevelopment and Inequality in the State" in Technical Session 1.6 of

59th Annual Conference of the Indian Society of Labour Economics (ISLE), held in Thiruvananthapuram, Kerala from 16-18 December, 2017.

Articles

1. "Trends and Pattern of Remittances from Abroad to India" in UGC listed journal Business Analyst ((ISSN 0973-211X), Volume 38, Issue-2.
2. "Uneven Economic Development in the Era of Globalisation and Migration of Labour in India" in UGC listed journal Hermeneutics (ISSN: 2231-6353), Volume 07, number-02, Special Issue 2017.

VANDANA JAIN

Books

1. Authored Book titled, "**Essentials of Entrepreneurship**", 2020, Singhal publications, Delhi, ISBN- 978-81-94465-02-7 for Generic Electives, CBCS Curriculum.

Research Publications

1. "Push Factors Causing Outward FDI from Select Asian Economies: Is Sustainability a Concern", Niti Bhasin, K. V Bhanu murthy and Vandana Jain in Emerging Dynamics of Sustainability in Multinational enterprises, edited by John R. McIntyre, Vera Ivanaj, Rabi N. Kar, published by Edward Elgar, London, 2016.
2. "Emergence of Multinationals from India", Business Analysts, 2010, Vol. 31 (1), pp-99-114.

Research Articles

1. Presented research paper titled, "Firm Level Determinants of Outward FDI from India", at the International conference jointly organized by SRCC and University of Kigali, Rwanda held on 28th feb- 1st march' 2017 in University of Kigali, Rwanda.
2. Presented a paper entitled "Push Factors Causing Outward FDI from Select Asian Economies: Is Sustainability a Concern?" at the Third International Conference on Multinational Enterprises and Sustainable Development held in New Delhi, on December 13, 2012 (co-uthored with Dr. Niti Bhasin).
3. Presented Paper entitled, "Home country determinants of Outward FDI: a study of Select Asian economies" at the third World Finance conference held in Rio-de Janerio on 2-4 July, 2012 (co-authored with Dr. Niti Bhasin).
4. Presented paper entitled, "Multinationals from India" at the National conference organized by SRCC on 5-6 Nov, 2010.
5. Presented paper on "**Women Entrepreneurship, Innovation and Sustainability: A Comparative Study between India and South Korea**" at the two day International conference on, "**Globalization, Trade And Economic Policy: Way Towards Achieving Sustainable Development**", organized jointly by SRCC- and Kyung Hee University, held at Kyung Hee University, Seoul, South Korea, October 18-19, 2019.

VIKAS MADAN

Research Article

1. Madan, Vikas and Kush, Ashwani. "Review of Hashing as Security Tools in Wireless Adhoc-Networks". (Conference Proceedings) International Conference on Advanced Computing and Communication Technology, 200 8.

Some Important Telephone Numbers

CAMPUS COLLEGES

Shri Ram College of Commerce	27667905
Daulat Ram College	27667863, 27667650
Hans Raj College	27667458, 27667747
Hindu College	27667184, 27666718
Indra Prastha College	23954085, 23962009
Kirori Mal College	27667861, 27667939
Miranda House	27667367, 27666983
Ramjas College	27667706, 27667447
SGTB Khalsa College	27667469, 27666220
St. Stephen's College	27667271, 27662329

HOSPITALS & MEDICAL SERVICE

W.U.S. Health Centre (DU North Campus)	27667908
Ambulance	102
Accident & Trauma Service	1099, 23860524, 23860531
Trauma Centre (Near DRDO)	78300 00623, 23906000, 23906001
Nu life Hospital (GTB Nagar)	43715105, 47005555-57,
Sant Parmanand Hospital (Civil Lines)	23961970, 23994401
St. Stephen's Hospital (Tiz Hazari)	23958005, 23977930, 23957977
Hindu Rao Hospital (Malka Ganj)	23919476
Apollo Pharmacy (Kingsway Camp)	47476975
National Chemist (Kingsway Camp)	27119160
Goel Medical Store (Roop Nagar)	84477 28289

CIVIC SERVICES

M.C.D. Control Room (Civil Lines)	23230700, 23911708, 23923392
N.D.P.L. (Fault Complaints)	66404040, 66112222
Delhi Jal Board (Fault Complaints)	1916, 23538495, 9650291021

POLICE

PCR	100
Police Station (Maurice Nagar)	27667178, 27666332, 27662638
Control Room, North District	27466781
Deputy Commissioner (Civil Lines)	23817012, 23811770

TAXI SERVICES

Reids Lines	9818462143, 9811457628
Roop Nagar (Azad Taxi Service)	9213168679, 9810204960

RAILWAY & BUS ENQUIRY

General Information	139
English	1330
Hindi	1335
Indian Railway Helpline No.	39340000, 1800-111-139

I.S.B.T. (Kashmere Gate) Enquiry	23860290, 65160290
I.S.B.T (Anand Vihar) Enquiry	22149089
I.S.B.T (Sarai Kale Khan) Enquiry	24353731, 18002000103

BANK & POST OFFICE

State Bank of India (S.R.C.C.)	27662422
State Bank of India (D.U.)	27667142, 27662309
Delhi University Post Office	27667690
G.P.O., Delhi	23869771
G.P.O., New Delhi	23743602

FOOD OUTLETS

McDonalds (Modal Town II)	9899795809, 66000666
Pizza Hut (Ashok Vihar)	43081756, 43081757, 39883988
Dominos (Malka Ganj)	49980000
Dominos (Modal Town-II)	49585000
Sagar Ratna, (G.T.B. Nagar)	27605496
Apni Rasoi, Vijay Nagar	9953304900, 9953305900

Gazetted Holidays 2020-2021

S. No.	Holiday	Date		Day
1	Id-ul-Zuha (Bakrid)	August	01	Saturday
2	Janmashtami	August	12	Wednesday
3	Independence Day	August	15	Saturday
4	Muharram	August	30	Sunday
5	Mahatma Gandhi's Birthday	October	02	Friday
6	Dussehra	October	25	Sunday
7	Milad-un-Nabi / Id-e-Milad (Birthday of Prophet Mohammad)	October	30	Friday
8	Diwali/Deepavali	November	14	Saturday
9	Guru Nanak's Birthday	November	30	Monday
10	Christmas Day	December	25	Friday
11	Republic Day	January	26	Tuesday
12	Holi	March	27	Tuesday
13	Good Friday	April	02	Friday
14	Ram Navami	April	21	Wednesday
15	Mahavir Jayanti	April	25	Sunday
16	Idu'l Fitr	May	13	Thursday
17	Buddha Purnima	May	26	Wednesday

Restricted Holidays 2020-2021

S. No.	Holiday	Date		Day
1	Raksha Bandhan	August	03	Monday
2	Janmashtami	August	11	Tuesday
3	Parsi New Year's Day / Nauraj	August	16	Sunday
4	Vinayaka Chaturthi / Ganesh Chaturthi	August	22	Saturday
5	Onam or Thiru Onam Day	August	31	Monday
6	Dussehra (Maha Saptami) (Additional)	October	23	Friday
7	Dussehra (Maha Ashtami) (Additional)	October	24	Saturday
8	Dussehra (Maha Navmi)	October	24	Saturday
9	Maharishi Valmiki's Birthday	October	31	Saturday
10	Karaka Chaturthi (Karva Chouth)	November	04	Wednesday
11	Naraka Chaturdasi	November	14	Saturday
12	Govardhan Puja	November	15	Sunday
13	Bhai Duj	November	16	Monday
14	Pratihara Sashthi or Surya Sashthi (Chhat Puja)	November	20	Friday
15	Guru Teg Bahadur's Martyrdom Day	November	24	Tuesday
16	Christmas Eve	December	24	Thursday
17	New Year's Day	January	01	Friday
18	Lohri	January	13	Wednesday
19	Makar Sankranti / Pongal	January	14	Thursday
20	Guru Gobind Singh's Birthday	January	20	Wednesday
21	Basant Panchami / Sri Panchami	February	16	Tuesday

22	Shivaji Jayanti	February	19	Friday
23	Hazarat Ali's Birthday	February	26	Friday
24	Guru Ravidas's Birthday	February	27	Saturday
25	Swami Dayananda Saraswati Jayanti	March	08	Monday
26	Maha Shivaratri	March	11	Thursday
27	Holika Dahan/Dolyatra	March	28	Sunday
28	Easter Sunday	April	04	Sunday
29	Chaitra Sukladi / Gudi Padava/ Ugadi/ Cheti Chand	April	13	Tuesday
30	Vaisakhi / Vishu	April	13	Tuesday
31	Mesadi / Vaisakhadi (Bengal) / Bahag Bihu (Assam)	April	15	Thursday
32	Jamat- <u>U</u> -Vida	May	07	Friday
33	Guru Rabindranath's Birthday	May	09	Sunday



Shri Ram College of Commerce

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