Detailed Course Scheme

Doctor of Philosophy (Ph.D.)

(2024-2025)

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RNB GLOBAL UNIVERSITY

Educating stars for tomorrow

RNB GLOBAL UNIVERSITY

RNB Global City, Ganganagar Road,
Bikaner, Rajasthan 334601

Document Release Notice	
Program Scheme for all Semesters **Release: Version 1.0**	
Name of Program	**Doctor of Philosophy**
Abbreviated Program Name	Ph.D.
Updated on	2024

OVERVIEW

- RNB Global University follows the UGC Guidelines 2022, for Course Work for Ph.D.
- The Ph.D. Course Work shall be of six months duration July to December and January to June in each academic year.
- All research Scholars must complete the course work requirements within a period of 1 year maximum, in order to continue with their research.
- The Program Scheme & Syllabus for Course Work Program along with examination pattern is as follows:
- RNB Global University follows the UGC Guidelines 2022, for Course Work for Ph.D. The Ph.D. Course Work shall be of six months duration July to December and January to June in each academic year. All research Scholars must complete the course work requirements within a period of 1 year maximum, in order to continue with their research. The Program Scheme & Syllabus for Course Work Program along with examination pattern is as follows:

S. No.	Course Code	Course Name	L	T	P	Credits
1.	77000100	Research Methodology	2	0	2	3
2.	77000200	Research Problem, Interpretation & Report Writing	2	0	2	3
3.	77000600	Research and Publication Ethics	2	0	0	2
4.		Subject Specific-I**	2	0	0	4
5.		Subject Specific – II** (Only for Interdisciplinary Research work)	2	0	0	2
6.	77000300	One Published Article	-	-	-	2
7.	77000400	Two Seminars or One Workshop of Minimum three days	-	-	-	2
8.	77000500	One Online Certificate Course on Subject Specific of your Research from any national or international MOOC platform, 3 or 4 credits.	-	-	-	3or4
Total Credits						19/20
Total Credits (For Interdisciplinary Research work)						**21/22**

**: Subject Specific papers will be added as & when required in discussions with SRC & approval of Dean Research

Subject Specifics shall be as follows:

Discipline	Subject Code	Subject Name
Management	11018400	Research Methodology in Marketing Management
Law	16006800	Legal Research Methodology
Science	13006400	Research Methodology in Sciences
English	12000600	Contemporary Literary and Critical Approaches
Finance Management	11019500	Finance and Accounts
Science	13028400	Botany
Arts	16003700	Political Science
Commerce	11024900	Commerce

EVALUATION SCHEME

The evaluation of the Course Work for Ph.D. Program would be based on Internal and External Assessments. Internal Assessment (in form of continuous assessments) would consist of 50% of the marks (50 marks) and external assessment (in form of End Term Exam) would consist of remaining 50% marks (50 marks).

The passing criteria in each subject will be 50% & the course work must be completed within 1 year with a minimum CGPA of 6.0

Grade points & Letter grade would be the same as followed in UG & PG courses run by RNBGU

The completion of Ph.D. course work shall be essential for synopsis submission.

Detailed scheme of Internal and External Assessments as follows:

Internal Assessment

Type	Details	Marks
Mid Term	One Mid-term Sessional (to be held along with the 2nd Sessional exams)	15
Marks obtained in various Tests, Assignments, Presentations, Quiz, Tutorials, etc.	Average of marks obtained	30
Attendance	80%+: 5 marks	5
TOTAL	**50**	

External Assessment

Type		Marks
Theory		50

N.B: The passing mark is 50% in each paper in the course work in order to be eligible to continue in the program and submit the dissertation/thesis. If a student is not able to pass a course with 50% marks, the student shall be allowed to reappear only once in the examination in the subsequent semester.

Curriculum

Course Name: Research Methodology

Course Code:77000100

Course Outline

Unit I -Research Methodology: An Introduction

a) Meaning of Research
b) Objectives of Research
c) Motivation in Research
d) Types of Research
e) Research Approaches
f) Significance of Research
g) Research Methods versus Methodology
h) Research Topic

Unit II- Research Design

a) Meaning of Research Design
b) Need for Research Design
c) Features of a Good Design
d) Important Concepts relating to Research Design
e) Different Research Designs
f) Basic Principles of Experimental Designs

Unit III- Methods of Data Collection

a) Collection of Primary Data
b) Observation Method
c) Interview Method
d) Collection of Data through Questionnaires
e) Collection of Data through Schedules
f) Difference between Questionnaires and Schedules
g) Some Other Methods of Data Collection
h) Collection of Secondary Data

Unit IV- Processing and Analysis of Data

a) Processing Operations
b) Elements/Types of Analysis
c) Statistics in Research
d) Measures of Central Tendency
e) Measures of Dispersion
f) Measures of Asymmetry
g) Measures of Relationship
h) Simple Regression Analysis
i) Multiple Correlation and Regression
j) Partial Correlation
k) Association in Case of Attribute

Unit V- Practical Training for Research

a) Observations
b) Questionnaires
c) Interviews

Unit VI- Research ethics
Unit VII- Review of published research in the relevant Unit
VIII- Availability of books at various Libraries

Course Name: Research Problem, Interpretation and Report Writing
Course Code:77000200

Course Outline

Unit I- Defining the Research Problem

(a) What is a Research Problem?
(b) Selecting the Problem
(c) Necessity of Defining the Problem
(d) Technique Involved in Defining a Problem
(e) Framing of Hypothesis

Unit II- Testing of Hypotheses

(a) What is a Hypothesis?
(b) Basic Concepts Concerning Testing of Hypotheses
(c) Procedure for Hypothesis Testing
(d) Flow Diagram for Hypothesis Testing
(e) Measuring the Power of a Hypothesis Test
(f) Tests of Hypotheses

(g) Important Parametric Tests
(h) Limitations of the Tests of Hypotheses
(i) Quantitative methods

Unit III- Interpretation

(a) Meaning of Interpretation
(b) Technique of Interpretation
(c) Precaution in Interpretation

Unit IV- Report Writing

(a) Significance of Report Writing
(b) Different Steps in Writing Report
(c) Layout of the Research Report
(d) Types of Reports
(e) Oral Presentation
(f) Mechanics of Writing a Research Report
(g) Precautions for Writing Research Reports
(h) Presentation of Thesis
  i. Preliminaries
  ii. The text
    a. Setting of the text
    b. Style of text
    c. The Footnote
    d. Conclusions and Suggestions
    e. Summary
  iii. The end matter

Unit V- Computer applications

(a) Introduction
(b) Computer Applications
(c) Computers and Researcher
(d) Digital materials for research
(e) Collection of data from inter net
(f) Concept of Public domain
(g) Use of material available on internet

Unit VI- Style sheet

Style of the Text
Words, spellings, usages
Non-English words, phrases, including Indian words
Punctuation
A full stop **(.)**
A colon **(:)**
A semicolon **(;)**
A comma **(,)**
Quotation

marks **(`` ..'')**
Round
brackets **( )**
Square
brackets **[ ]**

Course Name: Research and Publication Ethics
Course Code:77000600

Course Outline

RPE 01: Philosophy and Ethics (3 Hours)

1. Introduction to Philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgments and reactions

RPE 02: Scientific Conduct (5 Hours)

1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconduct: Falsification, Fabrication and Plagiarism (FFP)
4. Redundant Publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

RPE 03: Publication Ethics (7 Hours)

1. Publication ethics: definition, introduction and importance
2. Best practices/standards settings initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interests
4. Publication misconduct: definition, concept, problems that lead to unethicalbehavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

RPE 04: Open Access Publishing (4 Hours)

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-achivingpolicies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, SpringerJournal Suggester, etc.5: Publication Misconduct (4 Hours)

A. Group Discussions (2Hours)

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interests
3. Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2Hours)

Use of plagiarism software like Turnitin, Urkund and other open-source tools

RPE 06: Databases and Research Metrics (7Hours)

A. Databases (4 Hours)

1. Indexing databases
2. Citation databases: Web of Science, Scopus etc.

B. Research Metrics (3 Hours)

1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, CiteScore
2. Metrics: h-index, g-index, i10 index, altimetric.

Course Name: Research Methodology in Marketing Management
Course Code: 11018400

Course Outline

Unit I: Nature and Domain of Marketing

Understanding marketing: A critical review of alternate definitions; Marketing theory, early schools of marketing thought and research streams, Modern schools of marketing thoughts and research agenda.

Unit II: Dynamics of Consumer Behavior

Basics of consumer decision-making: Personal and interpersonal determinants of consumer behavior, Consumer Buying Behavior: Theories and Models , Segmentation, Targeting and Positioning concepts

Unit III: Marketing Research

Applications of Marketing Research in areas of Consumer , Business-to-Business, Product , Pricing , Motivational , Distribution , Advertising , Media , Sales Analysis and Forecasting, Lifestyle ,Social Marketing, Rural Marketing , Services Marketing , Marketing Information System and Research, Online Marketing Research

Unit IV: Advances in Marketing

Service quality, Gaps Model for improving the Quality of Service. Emerging Trends in Retailing, Factors Behind the change of Indian Retail Industry, Retail Merchandising Rural Market VS Urban Market, e-rural marketing, Rural Marketing Information System , Marketing Channels in rural marketing.

Unit V: Developments and Emerging Issues in Marketing

Components of e-marketing, Impact of e-Marketing on marketing Strategy. Green Marketing, Holistic Marketing, Network Marketing, Event Marketing, Nucleus Marketing.

Suggested Readings

1. Kotler Philip & Armstrong, G., Principles of Marketing, Prentice-Hall of India, , 2008.
2. Kotler Philip, Marketing Management, Prentice-Hall of India, 2007.
3. Kotler Philip & Keller, Principles of Marketing, Prentice-Hall of India, 2007.
4. SaxenaRajan, Marketing Management, Tata McGraw-Hill Publishing Co. Ltd., 3rd Edition.
5. Schiffman, L.G. and Kanuk, L.L., Consumer Behaviour, New Delhi, PHI.
6. Belch, G.E. & Belch, M.A., Introduction to Advertising and Promotion, Chicago, Irwin.
7. Porter, M.E., Competitive Advantage : Creating, Sustaining Superior Performance,New York, Free Press.
8. Keegan, W., Global Marketing Management, Englewood Cliffs, New Jersey, PHI.

Course Name: Legal Research Methodology
Course Code:16006800

Course Outline

Unit I: Basic Concepts of Indian Legal System

a) Nature of Indian Legal System
b) Common Law Foundations
c) Rule of Law
d) Separation of Powers
e) Principle of Natural Justice and Rule of equity
f) Indian Constitution: Salient Features
g) Judicial System in India
   (i) Hierarchy of Courts
   (ii) Jurisdiction of the Courts

Unit II: Legal Writing

a) Legal
b) Materi
   als
c) Statutes
d) Reports
e) Journals
f) Manuals
g) Bill, Act
h) Case Analysis

Unit III: Indian Judicial System and Legal Remedies

a) Supreme Court

b) High Court
c) Subordinate civil judiciary
d) NyayaPanchayats
e) Administrative justice
f) Legal Remedies

Unit IV: Legal cases studies and practices

a) Method of citation of legal cases
b) Precedent
c) Authority of precedent
d) Doctrine of *Stare Decisis*
e) Decisions *per incurim*
f) Ratio decendi
g) Obiter dicta
h) Preparation of Briefs - Practice

Suggested Readings:

1. A. T. H. Smith, *Glanville Willaim's Learning the Law,* Sweet & Maxwell, 15thed, 2013
2. A.V. Dicey, *Law and Public Opinion in England,* Macmillan, London, 1962.
3. M.C. Setalvad, *The Common Law in India,* Stevens, London, 1968.
4. John WiliamSalmond, *Jurisprudence*, Sweet & Maxwell, 12th ed., 1966
5. Joseph Minattur, *Indian Legal System,* Indian Law Institute, 2nd ed., 2006
6. M.P. Jain, *Indian Constitutional Law,* 3rdEd.Tripathi, Bombay, 1978
7. M.P. Jain,*Outlines of Indian Legal History,* 3rd ed., 1972.
8. N.C. Sen-Gupta, *Evolution f Ancient Indian Law.*
9. O.W. Holmes, *The Common Law,* Light & Life, New Delhi, 1975.
10. PriyanathSen, *Jeneral Principles of Hindu Jurisprudence,* University of Calcutta, 1980.
11. R. Kushawaha, *Working of NyayaPanchayat in India,* 1977.
12. S. K. Verma& M. AfzalWani (ed.), *Legal Research and Methodology*, ILI, Delhi 2001
13. The Law Commission of India, *Fourteenth Report,* 1958. ``Access : Acceess
14. UpendraBaxi, *``Access, Development and Distributive Justice : Access Problems of the `Rural' Population,"* 18 JILI, 1976, p. 375.

Course Name: Contemporary Literary and Critical Approaches
Course Code:12000600

Unit I: Approaches to the study of literature

a) Post Modernism (Habermos, Lyotard, Baudrillard)
b) Psychoanalytic Criticism (LacanFrend, Kristeva)
c) Social Discourse (Foucault, Bakhtin School)
d) Narratology (Aristotle, Propp, Genette)

Unit II: Postcolonial Theory and Diaspora Literature

a) Postcolonial Theory and Literature
b) Diaspora Theory and Literature

Unit III: Dalit and Tribal Literature

a) Dalit Literature and Aesthetics
b) Tribal Literature from North-East: *The Legends of Pensam*

Unit IV: Introduction to Translation Studies and Comparative Literature

a) Translation Studies: Introduction, nature, meaning and function; theories of translation; types, process, problems and limitations of translation; translation andtransliteration
b) Comparative Literature: Theoretical concepts, Scope and Relevance, DifferentSchools of Thought and Comparative Indian Literature

Unit V: Inter-Disciplinary and Cultural Studies

a) Inter-Disciplinary, Multi-Disciplinary and Inter-textual Studies: A PostmodernPerspective
b) Cultural Studies: Tradition of Performance, Cinema and Soap Opera
c) Ecocriticism: Postcolonial Perspective

Suggested Readings:

1) Ahmad, I., & Upadhyay. (2010). *Dalit assertion in society, literature and history*. Hyderabad: Orient Blackswan.
2) Ambedkar, B. R. (2002). Annihilation of caste. In V. Rodrigues (Ed.), *The essential writings of B. R. Ambedkar* (pp. 263–305). New Delhi: Oxford University Press.
3) Arnold, M. (2014). *Culture and anarchy*. Courier Corporation.
4) Ashcroft, B., Griffiths, G., & Tiffin, H. (Eds.). (2004). *Key concepts in post-colonial studies*. London: Routledge.
5) Ashcroft, B., Griffiths, G., & Tiffin, H. (2002). *The empire writes back: Theory and practice in post-colonial literatures*. Routledge.

6) Baldwin, E. (2004). *Introducing cultural studies*. New York: Pearson/Prentice Hall.
7) Baral, K. C. (2005). *Earth songs: Stories from Northeast India*. Delhi: Sahitya Akademi.
8) Bassnett, S. (1993). *Comparative literature: An introduction*. Blackwell.
9) Bassnett, S. (2002). *Translation studies: An introduction*. Routledge.
10) Cao, S. (2013). *The variation theory of comparative literature*. London: Springer.
11) Catford, J. C. (1994). *A linguistic theory of translation*. London: Oxford University Press.
12) Chari, V. K. (1993). *Sanskrit criticism*. New Delhi: Motilal Banarsidass.
13) Dai, M. (2006). *The legends of Pensam*. New Delhi: Penguin Publications.
14) Dev, A. (1984). *The idea of comparative literature in India*. Calcutta: Papyrus.
15) During, S. (2005). *Cultural studies: A critical introduction*. London; New York: Routledge.
16) Gifford, H. (1969). *Comparative literature: Concepts of literature*. Routledge.
17) Glover, D., & Kaplan, C. (Eds.). (2008). *Genders*. Routledge.
18) Guerin, W. L., Labor, E., Morgan, L., Reesman, J. C., & Willingham, J. R. (2010). *A handbook of critical approaches to literature*. Delhi: Oxford University Press.
19) Habib, M. A. R. (2012). *A history of literary criticism and theory: From Plato to the present*. London: Wiley-Blackwell.

Course Name: Finance and Accounts
Course Code-11019500

Objective

To familiarize students with the mechanics of accounting standard of financial statements, understanding corporate finance, Ratio, Capital Budgeting Decisions and their analysis and interpretation.

Unit-I

Accounting Standards and Guidance: Notes on various accounting aspects issued and Standard setting process--- Accounting Principles, GAAP Development and Study of Accounting Standards. Study of Indian Accounting Standards and International Accounting Standards issued.

Unit – II

Corporate Financial Reporting - issues and problems with special reference to published financial statements. Financial reporting in respect of various kinds of financial institutions like mutual funds, non-banking finance companies, merchant bankers, stock brokers.

Unit – III

Financial Management-Nature, Objectives and Scope, Financial Decision-Making and Types of Financial Decisions, Role of a Finance Manager in a Firm and Agency Problem. Capital Budgeting Decisions: Nature and Kinds of Capital Budgeting Decisions, Techniques of Evaluating Capital Budgeting Decisions.

Unit – IV

Ratios- Liquidity Ratios - Current ratio- Quick ratio- Absolute Liquid Ratio Profitability Ratios - Gross Profit Ratio- Net Profit Ratio- Operating ratio- Operating Profit ratio- Return on Investment- Return on capital Employed Ratio- Earning per share Ratio Dividend Yield Ratio- Price earnings Ratio- Net profit to Net Worth ratio Efficiency /Turnover Ratios

- Stock turnover ratio – Debtors turnover ratio- Debt collection period ratio- Creditor turnover ratio- Average payment period- Working capital turnover ratio-Fixed assets turnover ratio- Capital turnover ratio.

References

1) Corporate Accounting, Dr. S. N. Maheshwari, Viakas Publishing House Pvt. Ltd. New Delhi
2) Advanced Accounting, Dr. Ashok Sehgal & Dr. Deepak Sehgal: Taxmann, New Delhi. Fundamentals of Cost Accounting and financial accounting - S N Maheshwari – Sultan Chand & Sons, New Delhi.
3) Financial Management - Ravi M Kishor –Taxmann
4) Financial Management – M. Y. Khan,, P. K. Jain- Tata McGraw Hill.
5) Capital Budgeting: Theory and Practice- Pamela P. Peterson, Frank J. Fabozzi

Course Name: Botany
Course Code: 13028400

Unit I:

1. **Classification of Kingdoms and Bacteria**: Criteria (according to Mayr, the seven kingdoms of living organisms); Introduction to different branches of botany (conventional and recent) Bacteria ultrastructure and economic importance; Thallus organization and reproductive methods in the following types: *Nostoc, Pseudomonas, Rhizobium, Rivularia, Spirulina* (including Cyanobacteria): Group characters, Occurrence, morphological forms,
2. **Algae**: General characters, classification and economic importance, important

   features and life history of:

   Chlorophyceae: *Volvox, Ulothrix* **Xanthophyceae**: *Diatoms* **Phaeophyceae**: *Sargassum* **Rhodophyceae**:
   Batrachospermum

   3. **Fungi**: General characters, classification and economic importance; important features and life history of

   Mastigomycotina:

   Phytophthora **Zygomycotina:**

   Mucor **Ascomycotina:**

   Eurotium

   Basidiomycotina: *Puccinia, Agaricus*

Unit II:

4. **Angiosperm Morphology and Taxonomy**: Different regions and general functions,types of root systems. Stem: Various parts, normal functions (Different types of buds, vegetative and reproductive), forms of stem. Leaf: Structure and normal functions. Simple and compound leaves Seed: Definition, structure and types Bracts, peduncle and inflorescence: Flower: Structure of a typical flower, definitionand examples of different types of flowers. Introduction to the floral whorls Fruits:Definitions of true, false and parthenocarpic fruits. Major types of fruits.
5. **Angiosperms**: Unique features of angiosperms and diversity; identification, nomenclature and classification (Bentham & Hooker's system); primitive and advanced features; the international code of botanical nomenclature. Families: Major angiosperm families, detailed account of Malvaceae, Fabaceae, Solanaceae and Lamiaceae
6. **Cell Biology:** Structure and function of cells and intracellular organelles (of both

   prokaryotes and eukaryotes), Mechanism of cell division including (mitosis and meiosis) and cell differentiation; Cell-cell interation, Malignant growth, lmmune response : Dosage compensation and mechanism of sex determination.
7. **Tissue systems:** Epidermal tissues: general organization, cuticle, trichomes and stomatal types Secretory tissues: gum and resin ducts, laticifers, hydathodes, floral and extrafloral nectaries Vascular tissue: Secondary xylem (basic structure of wood). Secondary phloem. Secondary growth: Normal and anomalous secondary growth in different Angiosperms.

Periderm and lenticel - structure and development

8. **Organisation of the higher plant body:** The shoot and root systems; variation in habit and longevity; environmental influences Meristems and development: Shoot apical meristem, root apical meristem, lateral meristems and their functions. NodalAnatomy: Leaf trace, leaf gap

Unit III:

9. **Plant Ecology**: Concept and structure of ecosystem, Food chain, food web, Ecological pyramids, Basic ideas about ecosystem functioning, energy flow, organic roduction, biogeochemical cycles and ecological instruments. Ecological classifications of plants, Adaptations in hydrophytes, mesophytes, xerophytes, halophytes and epiphytes Air, water and land pollution, causes and control
   Measures

10. **Instrumentation**: Principle and working of pH meter, spectro-photometer, conductivity meter, turbidity meter

11. **Biostatistics**: Introduction, sampling methods in biological experiments and applications, Methods of presentation of data: Tables, graphs, diagrams and frequency distribution. Measures of central tendency – Mean median and mode forraw and grouped data

Unit IV:

12. **Environmental biology:** Concept and dynamics of ecosystem, components, food chain and energy flow, productivity and biogeochemical cycles, Types of ecosystems, Population ecology and biological control, Community structure and organisation, Environmental pollution, Sustainable development, Economic importance of microbes, plants and animals.
13. **Ecosystem and Conservation**: Ecosystem dynamics and management: Stability and complexity of ecosystems, Speciation and extinction, Environmental impact assessment, Principles of conservation, Conservation strategies, Sustainable development. Physico-chemical properties of water, Kinds of aquatic habitats (freshwater and marine), Distribution of and impact of environmental factors on the aquatic biota, Productivity, mineral cycles and biodegradation in different aquatic ecosystems, Fish and Fisheries of India with respect to the management of estuarine, coastal water systems and man-made reservoirs, Biology and ecology of reservoirs.
14. **Economic Botany and Domestication of Plants**: Origin of cultivated plants, Vavilov's centre of origin, primary and secondary centers of diversity, plant introductions. A general account of major food crops, cereals, pulses, vegetables, nuts and fruits. Their source, botanical name, family, morphological value and use.

Fodder legumes- a brief account. Vegetable and essential oil sources: Mustard, Sesame, Groundnut, Cotton, Soybean and Coconut – a brief account.

15. **Ethnobotany**: Plant fibers: Cotton, jute and coir- A brief account and its uses.

Timber and firewood species: Identification and uses of five major species in India. Medicinal Plants: A brief account of ten important plant drugs and their chief constituents used in indigenous / allopathic systems of medicine. Natural rubber, insecticides and dyes: A concise account. Ornamental Plants: Major ornamental plants (Trees, shrubs and herbs) in India.

Course Name: Political Science
Course Code: 16003700

Unit-I Key Concepts in Politics

a) **What is Politics?** Politics as a Process; Different Views of Politics the Liberal View; The Marsist View; The Communitarian View.
b) **State:** Significance of the State; the State and Other Associations State and Society; State and Civil Society, State and Government.
c) **Concept of Sovereignty:** Meaning of Sovereignty; Characteristics of Sovereignty; Aspects of Sovereignty; Concept of Popular Sovereignty
d) **Concept of Liberty** Nature of Liberty; Scope of Liberty; Dimensions of Liberty Civil, Political, Economic; Liberal-Individualist View of Liberty Negative and Positive Liberty; Marxist Concept of Freedom.
e) **Concept of Democracy:** Classical Notion of Democracy; Concept of Liberal Democracy; Problems of Representation Theories of Representation; Electoral Systems Plurality System, Majoritarian System, Proportional Representation; Methods of Minority Representation Concurrent.

Unit -II Political Process in India

a) Political Parties and the Party System
b) Determinants of Voting Behaviour
c) Debates on Secularism
d) Regional Aspirations the Politics of Secession and Accommodation

Unit -III - Indian Government and Politics

a) Approaches to the Study of Indian Politics and Nature of the State in India: Liberal, Marxist and Gandhian.
b) Indian Constitution: basic features.
c) Debates on Fundamental Rights and Directive Principles.
d) Institutional Functioning: Prime Minister, Parliament and Judiciary.

Unit IV - Introduction to International Relations

a) Idealism vs Realism.
b) Structural Approaches
c) World Systems Approach (Immanuel Wallerstein).
d) India's Foreign Policy Basic Determinants.

Unit V Western and Indian Thought, Thinkers

1. Plato's Justice.
2. Aristotle on Citizenship.
3. Kautilya on State.
4. Tilak and Gandhi on Swaraj.
5. Ambedkar and Lohia on Social Justice.

Readings:

1. Dallmayr, F. (2009) 'Comparative Political Theory: What is it good for?', in Shogimen, T. and Nederman, C. J. (eds.) Western Political Thought in Dialogue with Asia. Plymouth, United Kingdom: Lexington, pp. 13-24.
2. Parel, A. J. (2009) 'From Political Thought in India to Indian Political Thought', in Shogiman, T. and Nederman, C. J. (eds.) Western Political Thought in Dialogue with Asia. Plymouth, UnitedKingdom: Lexington, pp. 187-208.
3. Pantham, Th. (1986) 'Introduction: For the Study of Modern Indian Political Thought', in Pantham, Th. & Deutch, K. L. (eds.) Political Thought in Modern India. New Delhi: Sage, pp. 9-16.
4. Inamdar, N.R. (1986) 'The Political Ideas of Lokmanya Tilak', in Panthan, Th. & Deutsch, K. L. (eds.) Political Thought in Modern India. New Delhi: Sage, pp. 110-121.
5. Pantham, T. (1986) 'Beyond Liberal Democracy: Thinking with Democracy', in Pantham, T. & Deutsch, K.L. (eds.) Political Thought in Modern India. New Delhi: Sage, pp. 325-46.
6. Jha, M. (2001) 'Ramabai: Gender and Caste', in Singh, M.P. and Roy, H. (eds.) Indian Political Thought:Themes and Thinkers, New Delhi: Pearson.
7. Nancy Fraser (2003), Redistribution or Recognition: A philosophical Exchange, Verso
8. Bhikhu Parekh (2006), Rethinking Multiculturalism: Cultural Diversity and Political
9. Theory, Palgrave Charles Taylor (1992), Multiculturalism and the politics of recognition, Princeton University Press, Princeton
10. Cynthia Willet (1998), Theorising multiculturalism: A guide to current debate, Blackwell publishers, Oxford
11. Will Kymlica (2003) Political Philosophy, especially on multiculturalism Robert A.Dahl (1998), On democracy, East-West Press, New Delhi
12. David Held (2007), Models of Democracy, Polity Press
13. John Jeffries Martin (2004),Myths of Renaissance individualism, Palgrave
14. David Leopold and Marc Stears (2008), Political theory: Methods and approaches, Oxford
15. John Hoffman and Paul Graham (2006), Introduction to political theory, Pearson
16. Rajeev Bhargav (2010), What is political theory and why do we need it, Oxford
17. Catrina Mckinnon (2008), Issues in political theory, Oxford
18. Y. Yadav and S. Palshikar, (2006) 'Party System and Electoral Politics in the Indian States, 1952-2002: From Hegemony to Convergence', in P. deSouza and E. Sridharan (eds.) India's Political Parties, New Delhi: Sage Publications, pp. 73-115.
19. R. Deshpande, (2004) 'How Gendered was Women's Participation in Elections 2004?', Economic and Political Weekly, Vol. 39, No. 51, pp. 5431-5436.
20. S. Kumar, (2009) 'Religious Practices Among Indian Hindus,' Japanese Journal of Political Science, Vol. 10, No. 3, pp. 313-332.

21. M. Chadda, (2010) 'Integration through Internal Reorganisation', in S. Baruah (ed.) Ethno nationalism in India: A Reader, New Delhi: Oxford University Press, pp. 379-402.
22. P. Brass, (1999) 'Crisis of National Unity: Punjab, the Northeast and Kashmir', in The Politics of India Since Independence, New Delhi: Cambridge University Press and Foundation Books, pp.192-227.
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24. N. Menon and A. Nigam, (2007) 'Politics of Hindutva and the Minorities', in Power and Contestation: India since 1989, London: Fernwood Publishing, Halifax and Zed Books, pp.36- 60.
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Course Name: Commerce
Course Code: 11024900

Unit-I

Accounting Concept and conventions, GAAP, Accounting Standards in India, Harmonization of Indian Accounting Standards, Capital Budgeting, Methods of capital Budgeting, traditional and modern method of evaluation, working capital and management, cash management, inventory management, receivable management, Dividend decisions.

Unit-II

Accounting for Managers, methods of analysis, financial analysis and interpretation, comparative statement analysis, common-size statement, Ratio Analysis, Cash flow statement, fund flow statement, budgeting, fixed budget, flexible budget, performance budgeting, zero-base budgeting, Activity based Costing, Value Chain Analysis, Quality Costing, Target Costing.

Unit-III

Accounting for merger and acquisition, internal and external reconstruction, Break even Analysis: Linear and Non-Linear Approaches, emerging short-term & long-term financial instruments, financial decisions, cost of capital, capital structure, theories of capital structure.

Unit-IV

Importance of Human Resource Management; Challenges Faced by a modern Human Resource Manager; Broad Functions of an HRM Department, Determination of HR Requirements, Need and Types of HR Policies; Indian Labour Policy Job Analysis; Purposes, uses, contents, steps and techniques, Recruitment and Selection

Unit-V

Marketing Concepts; Marketing Mix; Strategic Marketing Planning, Marketing Environment – Macro and Micro Components and their Impact on Marketing Decisions, Market Segmentation; Buyer Behaviour.

References:

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4. Financial Management, Pandey I M- Vikas Publishing House Pvt. Ltd. New Delhi
5. Financial Management – M. Y. Khan, P. K. Jain- Tata McGraw Hill.
6. Human Resource and Personnel Management, Aswathappa, K. Tata McGraw Hill, New Delhi
7. Managing Human Resources: Industrial Relations in Indian Enterprises, R.S. Dwivedi, Galgotia Pub.Co. Mumbai
8. Marketing Management, Kotler Philip, Prentice-Hall of India, 2007.
9. Marketing Management, Saxena Rajana, Tata McGraw Hill, New Delhi

Lesson Plan

77000100- Research Methodology

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Meaning and Definition of Research	C-1	Lecture
Unit-I	Objectives and Motivation in Research	C-2	Lecture
Unit-I	Types of Research	C-3	Lecture
Unit-I	Research Approaches	C-4	Lecture
Unit-I	Significance of Research	C-5	Lecture
Unit-I	Research Methods vs. Methodology & Selection of Research Topic	C-6	Lecture
Unit-II	Meaning and Importance of Research Design	C-7	Lecture
Unit-II	Features of a Good Research Design	C-8	Lecture
	Class Assignment 1	C-9	Class Assignment
Unit-II	Concepts Related to Research Design	C-10	Lecture
Unit-II	Exploratory, Descriptive, and Diagnostic Designs	C-11	Lecture
Unit-II	Experimental Design: Types	C-12	Lecture
Unit-II	Principles of Experimental Design (Randomization, Replication, Local Control)	C-13	Lecture
	Clarification Class 1	C-14	Clarification Class
Unit-III	Collection of Primary Data: Overview	C-15	Lecture
Unit-III	Observation Method	C-16	Lecture
	Home Assignment 1		Home Assignment
Unit-III	Interview Method	C-17	Lecture
Unit-III	Designing and Using Questionnaires	C-18	Lecture
Unit-III	Collection Through Schedules	C-19	Lecture
Unit-III	Questionnaires vs. Schedules	C-20	Lecture
Unit-III	Other Methods (Case Study, Focus Groups, Projective Techniques)	C-21	Lecture
Unit-III	Secondary Data Collection	C-22	Lecture
Unit-IV	Data Processing: Editing, Coding, Classification	C-23	Lecture
	Clarification Class 2	C-24	Clarification Class
Unit-IV	Data Analysis: Types and Operations	C-25	Lecture
Unit-IV	Use of Statistics in Research	C-26	Lecture
Unit-IV	Measures of Central Tendency	C-27	Lecture
Unit-IV	Measures of Dispersion	C-28	Lecture
Unit-IV	Measures of Asymmetry (Skewness)	C-29	Lecture
	Presentation	C-30	Presentation
Unit-IV	Measures of Relationship: Correlation	C-31	Lecture

Unit-IV	Simple Regression	C-32	Lecture
Unit-IV	Multiple Correlation & Regression	C-33	Lecture
	Class Assignment 2	C-34	Class Assignment
Unit-IV	Partial Correlation	C-35	Lecture
Unit-IV	Association in Case of Attributes	C-36	Lecture
	Home Assignment 2		Home Assignment
Unit-IV	Introduction to Software Tools (Excel/SPSS Demo)	C-37	Lecture
Unit-V	Conducting Observations (Field/Mini Project)	C-38	Lecture
Unit-V	Preparing & Using Questionnaires	C-39	Lecture
	Guest Lecture	C-40	Guest Lecture
Unit-V	Conducting Interviews (Practice Session)	C-41	Lecture
Unit-VI	Ethics in Research, Plagiarism, and Integrity	C-42	Lecture
Unit-VII	Reading & Reviewing Published Research Papers	C-43	Lecture
Unit-VIII	Accessing Books and Online Databases (Library Orientation/Visit)	C-44	Lecture
	Clarification Class 3	C-45	Clarification Class

77000200- Research Problem, Interpretation and Report Writing

Unit	Particulars	Class No.	Pedagogy of Class
Unit -I	What is research problem, selecting a research problem	C-1	Lecture
Unit-I	Necessity of Defining the Problem	C-2	Lecture
Unit -I	Technique Involved in Defining a Problem,	C-3	Lecture
Unit-I	Identification of Research Problem	C-4	Practical
Unit-I	Defining Research Problem	C-5	Practical
Unit-II	What is a Hypothesis, Framing of Hypothesis	C-6	Lecture
Unit-II	Basic Concepts Concerning Testing of Hypotheses	C-7	Lecture
Unit-II	Procedure for Hypothesis Testing, Flow Diagram for Hypothesis Testing	C-8	Lecture
Unit-II	Measuring the Power of a Hypothesis Test	C-9	Lecture
Unit-II	Tests of Hypotheses, Important Parametric Tests	C-10	Lecture
Unit-II	Limitations of the Tests of Hypotheses, Quantitative methods	C-11	Lecture
Unit-II	Clarification Class	C-12	Clarification Class
Unit-II	Framing hypothesis	C-13	Practical
Unit-II	Application of statistical tests	C-14	Practical
Unit-II	Application of statistical tests	C-15	Practical
Unit-II	Test of Hypothesis	C-16	Practical
Unit-III	Meaning of Interpretation	C-17	Lecture
Unit-III	Technique of Interpretation	C-18	Lecture
Unit-III	Precaution in Interpretation	C-19	Lecture
Unit-III	Application of Interpretation rules	C-20	Practical
Unit-III	Application of Interpretation rules	C-21	Practical
Unit-III	Quiz	C-22	Quiz
Unit-III	Class room Assignment	C-23	Classroom Assignment
Unit-IV	Significance of Report Writing	C-24	Lecture
Unit-IV	Different Steps in Writing Report	C-25	Lecture
Unit-IV	Types of Reports	C-26	Lecture
Unit-IV	Layout of the Research Report	C-27	Lecture
Unit-IV	Mechanics of Writing a Research Report	C-28	Lecture
Unit-IV	Precautions for Writing Research Reports	C-29	Lecture
Unit-IV	Presentation of Thesis	C-30	Lecture
	Classroom Assignment	C-31	Classroom Assignment
Unit-IV	Practice of Article Writing	C-32	Practical
Unit-IV	Practice of Article Writing	C-33	Practical
	Quiz	C-34	Quiz
Unit -V	Introduction to Computer Applications	C-35	Lecture
Unit -V	Computers and Researcher	C-36	Lecture
Unit-V	Digital materials for research, Collection of data from inter net	C-37	Lecture

Unit-V	Concept of Public domain, Use of material available on internet	C-38	Lecture
Unit-V	Literature search using Internet	C-39	Practical
Unit-V	Literature Search using Internet	C-40	Practical
Unit-V	Practice on Word Processing on Computer	C-41	Practical
Unit-VI	Introduction of style sheet	C-42	Lecture
Unit-VI	Words, spellings, usages, Editor's remarks	C-43	Lecture
Unit-VI	Practice of editing document	C-44	Practical
	Clarification Class	C-45	Clarification Class

77000600- Research and Publication Ethics

Unit	Particulars	Class No.	Pedagogy of Class
Unit -I	Introduction to Philosophy: definition, nature	C-1	Lecture
Unit -I	Scope, concept, branches of Philosophy	C-2	Lecture
Unit -I	Ethics: definition, moral philosophy, nature of moral judgments and reactions	C-3	Lecture
Unit -II	Ethics with respect to science and research	C-4	Lecture
Unit -II	Intellectual honesty and research integrity	C-5	Lecture
Unit- II	Scientific misconduct: Falsification, Fabrication and Plagiarism (FFP)	C-6	Lecture
Unit- II	Redundant Publications: duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data	C-7	Lecture
Unit- II	Clarification Class	C-8	Clarification Class
Unit- III	Publication ethics: definition, introduction and importance	C-9	Lecture
Unit- III	Best practices/standards settings initiatives and guidelines: COPE, WAME, etc., Conflicts of interests	C-10	Lecture
Unit -III	Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types	C-11	Lecture
Unit -III	Violation of publication ethics, authorship and contributor ship	C-12	Lecture
Unit -III	Identification of publication misconduct, complaints and appeals	C-13	Lecture
Unit -III	Predatory publishers and journals	C-14	Lecture
Unit -IV	Open access publications and initiatives	C-15	Lecture
Unit –IV	SHERPA/RoMEO online resource to check publisher copyright & self-achiving policies	C-16	Lecture
Unit -IV	Software tool to identify predatory publications developed by SPPU	C-17	Lecture
Unit -IV	Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.	C-18	Lecture
Unit -IV	Classroom Assignment	C-19	Classroom Assignment
Unit -V	Subject specific ethical issues, FFP, authorship, Conflicts of interests	C-20	Group Discussions
Unit -V	Complaints and appeals: examples and fraud from India and abroad	C-21	Group Discussions
Unit -V	Use of plagiarism software like; Turnitin, Urkund and other open-source tools	C-22	Lecture
Unit -V	Classroom Assignment	C-23	Classroom Assignment
Unit –VI	Indexing databases	C-24	Lecture
Unit -VI	Indexing databases	C-25	Lecture
Unit -VI	Citation databases: Web of Science, Scopus etc	C-26	Lecture

Unit -VI	Citation databases: Web of Science, Scopus etc	C-27	Lecture
Unit -VI	Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score	C-28	Lecture
Unit -VI	Metrics: h-index, g-index, i10 index, altmetrics	C-29	Lecture
Unit -VI	Clarification Class	C-30	Clarification Class

11018400– Research Methodology in Marketing Management

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Understanding marketing: A critical review of alternate definitions	C-1,2	Lecture
Unit-I	Marketing theory, early schools of marketing thought	C-3,4	Lecture
Unit-I	Research streams, Modern schools of marketing thoughts	C-5,6	Lecture
Unit-I	Research agenda	C-7	Lecture
Unit-I	Presentation on evolution of marketing thought	C-8	Presentation
Unit-I	Assignment: Comparative analysis of marketing schools	C-9	Classroom Assignment
Unit-I	Clarification class on Unit I	C-10	Clarification Class
Unit-II	Basics of consumer decision-making	C-11,12	Lecture
Unit-II	Personal and interpersonal determinants of consumer behavior	C-13,14	Lecture
Unit-II	Consumer Buying Behavior: Theories and Models	C-15,16	Lecture
Unit-II	Segmentation, Targeting and Positioning concepts	C-17	Lecture
Unit-II	Assignment: Case analysis on STP	C-18	Classroom Assignment
Unit-II	Presentation on Consumer Behaviour Models	C-19	Presentation
Unit-II	Clarification class on Unit II	C-20	Clarification Class
Unit-III	Applications in Consumer and B2B Marketing Research	C-21,22	Lecture
Unit-III	Applications in Product, Pricing, Motivational Research	C-23,24	Lecture
Unit-III	Applications in Distribution, Advertising, Media	C-25,26	Lecture
Unit-III	Sales Analysis and Forecasting, Lifestyle Research	C-27,28	Lecture
Unit-III	Applications in Social, Rural, Services, Online Marketing Research	C-29,30	Lecture
Unit-III	Presentation on applications of marketing research	C-31	Presentation
Unit-III	Clarification class on Unit III	C-32	Clarification Class
Unit-IV	Service quality, Gaps Model	C-33,34	Lecture
Unit-IV	Emerging Trends in Retailing	C-35	Lecture
Unit-IV	Indian Retail Industry changes	C-36	Lecture
Unit-IV	Retail Merchandising	C-37	Lecture
Unit-IV	Rural Market vs Urban Market, e-Rural Marketing	C-38,39	Lecture
Unit-IV	Rural Marketing Info System, Marketing Channels	C-40,41	Lecture
Unit-IV	Activity/Quiz on Retail and Rural Marketing	C-42	Activity/Quiz
Unit-IV	Clarification class on Unit IV	C-43	Clarification Class
Unit-V	Components and Impact of e-Marketing	C-44,45	Lecture
Unit-V	Green Marketing, Holistic Marketing	C-46,47	Lecture
Unit-V	Network Marketing, Event Marketing	C-48,49	Lecture
Unit-V	Nucleus Marketing	C-50	Lecture
Unit-V	Presentation on Emerging Issues in Marketing	C-51	Presentation
Unit-V	Classroom Assignment: Digital vs Traditional Marketing	C-52	Classroom Assignment
Unit-V	Activity/Quiz on Emerging Marketing Trends	C-53	Activity/Quiz
Unit-V	Clarification class on Unit V	C-54	Clarification Class
	Clarification and discussion on cross-unit concepts	C-55	Clarification Class

	Clarification and doubt solving	C-56	Clarification Class
	Recap of key takeaways and advanced discussion	C-57	Clarification Class
	Revision Class	C-58	Clarification Class
	General Q&A and knowledge sharing	C-59	Clarification Class
	Class activity: Group marketing challenge	C-60	Activity/Quiz

16006800 - Legal Research Methodology

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Introduction of Subject	C-1	Lecture
Unit-I	Basic Concepts of Indian Legal System – Introduction of Unit-I	C-2	Lecture
Unit-I	Nature of Indian Legal System	C-3	Lecture
Unit-I	Common Law Foundations	C-4	Lecture
Unit-I	Rule of Law	C-5, C-6	Lecture
Unit-I	Separation of Powers	C-7	Lecture
Unit-I	Principle of Natural Justice and Rule of equity	C-8 ,C-9	Lecture
Unit-I	Indian Constitution: Salient Features	C-10, C-11	Lecture
Unit-I	Judicial System in India	C-12	Lecture
Unit-I	Hierarchy of Courts	C-13	Lecture
Unit-I	Jurisdiction of the Courts	C-14	Lecture
	Assignment - 1	C-15	Assignment
Unit-II	Legal Writing – Introduction of Unit-II	C-16 C-17	Lecture
Unit-II	Legal Materials	C-18, C-19	Lecture
Unit-II	Statutes	C-20, C-21	Lecture
Unit-II	Reports	C-22, C-23	Lecture
Unit-II	Journals	C-24	Lecture
Unit-II	Manuals	C-25	Lecture
Unit-II	Bill, Act	C-26, C-27	Lecture
Unit-II	Case Analysis	C-28, C-29	Lecture
	Clarification Class - 1	C-30	Clarification Class
Unit-III	Introduction of Unit-III	C-31	Lecture
Unit-III	Supreme Court	C-32, C-33	Lecture
Unit-III	High Court	C-34, C-35	Lecture
Unit-III	Subordinate civil judiciary	C-36, C-37	Lecture
	Presentation - 1	C-38	Presentation
Unit-III	Nyaya Panchayats	C-39, C-40	Lecture
Unit-III	Administrative justice	C-41, C-42	Lecture
Unit-III	Legal Remedies	C-43, C-44	Lecture
	Assignment - 2	C-45	Assignment
Unit-IV	Legal cases studies and practices – Introduction of Unit-IV	C-46	Lecture
Unit-IV	Method of citation of legal cases	C-47	Lecture
Unit-IV	Precedent	C-48, C-49	Lecture
Unit-IV	Authority of precedent	C-50	Lecture
Unit-IV	Doctrine of *Stare Decisis*	C-51	Lecture
Unit-IV	Decisions *per incuriam*	C-52	Lecture
Unit-IV	*Ratio decidendi*	C-53, C-54	Lecture
	Presentation - 2	C-55	Presentation
Unit-IV	*Obiter dictas*	C-56, C-57	Lecture
Unit-IV	Preparation of Briefs - Practice	C-58, C-59	Lecture
	Clarification Class - 2	C-60	Clarification Class

13006400 – Research Methodology in Sciences

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Maxwell's Equations in Vacuum	C-1	Lecture
Unit-I	Maxwell's Equations in Medium	C-2	Lecture
Unit-I	Electromagnetic Waves – I	C-3	Lecture
Unit-I	Electromagnetic Waves – II	C-4	Lecture
Unit-I	Emission of Radiation	C-5	Lecture
Unit-I	Absorption of Radiation	C-6	Lecture
Unit-I	Scattering of Radiation	C-7	Lecture
Unit-I	Relativistic Electrodynamics – I	C-8	Lecture
Unit-I	Relativistic Electrodynamics – II	C-9	Lecture
Unit-I	Relativistic Mechanics	C-10	Lecture
Unit-I	Numerical Problem Solving	C-11	Lecture
Unit-I	Clarification & Review	C-12	Clarification
Unit-II	Semiconductor Basics & p-n Junction	C-13	Lecture
Unit-II	Diode Characteristics & Approximations	C-14	Lecture
Unit-II	Half-Wave Rectifier	C-15	Lecture
Unit-II	Full-Wave Rectifiers – Two-Diode	C-16	Lecture
Unit-II	Bridge Rectifier	C-17	Lecture
Unit-II	Capacitor Filter Circuit	C-18	Lecture
Unit-II	Zener Diode – Theory	C-19	Lecture
Unit-II	Zener Voltage Regulators – No Load	C-20	Lecture
Unit-II	Zener Voltage Regulators – Loaded	C-21	Lecture
Unit-II	Numerical Examples	C-22	Lecture
Unit-II	Review and Clarifications	C-23	Clarification
Unit-II	Class Room Assignment	C-24	Assignment
Unit-III	BJT Operation and Theory	C-25	Lecture
Unit-III	BJT Voltages and Currents	C-26	Lecture
Unit-III	Common Base Characteristics	C-27	Lecture
Unit-III	Common Emitter Characteristics	C-28	Lecture
Unit-III	Common Collector Characteristics	C-29	Lecture
Unit-III	BJT Amplification	C-30	Lecture
Unit-III	Numerical Problem Solving – I	C-31	Lecture
Unit-III	Numerical Problem Solving – II	C-32	Lecture
Unit-III	Review and Clarification	C-33	Clarification
Unit-III	Classroom Assignment	C-34	Assignment
Unit-IV	Intro to XOOPIC / LPIC / MATLAB / FORTRAN	C-35	Lecture
Unit-IV	Simulation Setup and Basics	C-36	Lecture
Unit-IV	Linear Differential Equations – I	C-37	Lecture
Unit-IV	Linear Differential Equations – II	C-38	Lecture
Unit-IV	Second-Order Differential Equations – I	C-39	Lecture
Unit-IV	Second-Order Differential Equations – II	C-40	Lecture
Unit-IV	Second Degree, Second Order Eqn – I	C-41	Lecture
Unit-IV	Second Degree, Second Order Eqn – II	C-42	Lecture
Unit-IV	Mini Programming Project – Discussion	C-43	Group Activity
Unit-IV	Simulation Practice + Review	C-44	Lecture

Unit-IV	Presentations by Students	C-45	Presentations
Unit-IV	Clarification Class	C-46	Clarification
Unit-V	Scientific Literature & Research Journals	C-47	Lecture
Unit-V	Research Institutions in India – I	C-48	Lecture
Unit-V	Research Institutions in India – II	C-49	Lecture
Unit-V	Importance of Internet Resources	C-50	Lecture
Unit-V	Data Interpretation – I	C-51	Lecture
Unit-V	Data Interpretation – II	C-52	Case Study
Unit-V	Patents and Intellectual Property Rights	C-53	Lecture
Unit-V	Patent Specifications & Filing Process	C-54	Lecture
Unit-V	Case Study on Scientific Patents	C-55	Seminar
Unit-V	Assignment on Research Sources	C-56	Assignment
Unit-V	Student Presentations	C-57	Presentations
Unit-V	Review & Clarification	C-58	Clarification
All Units	Comprehensive Class Test	C-59	Test
All Units	Final Wrap-up & Feedback	C-60	Discussion

12000600: Contemporary Literary and Critical Approaches

S. No.	Particulars	Class No.	Pedagogy of Class
Unit-I	Introduction to Literary Approaches	C-1	Lecture
Unit-I	Postmodernism: Habermas	C-2	Lecture
Unit-I	Postmodernism: Lyotard	C-3	Lecture
Unit-I	Postmodernism: Baudrillard	C-4	Lecture
Unit-I	Psychoanalytic Criticism: Freud	C-5	Lecture
Unit-I	Psychoanalytic Criticism: Lacan	C-6	Lecture
Unit-I	Psychoanalytic Criticism: Kristeva	C-7	Lecture
Unit-I	Social Discourse: Foucault	C-8	Lecture
Unit-I	Social Discourse: Bakhtin School	C-9	Lecture
Unit-I	Narratology: Aristotle	C-10	Lecture
Unit-I	Narratology: Propp	C-11	Lecture
Unit-I	Narratology: Genette	C-12	Lecture
Unit-I	Clarification Class (Unit I)	C-13	Clarification Class
Unit-I	Classroom Assignment I (Unit I)	C-14	Classroom Assignment-I
Unit-II	Introduction to Postcolonial Theory	C-15	Lecture
Unit-II	Postcolonial Literature: Historical Overview	C-16	Lecture
Unit-II	Key Concepts: Hybridity, Mimicry, Subaltern	C-17	Lecture
Unit-II	Analysis of Select Postcolonial Texts	C-18	Lecture
Unit-II	Diaspora Theory: Origins and Development	C-19	Lecture
Unit-II	Diaspora Literature: Themes and Concerns	C-20	Lecture
Unit-II	Diaspora Literature: Case Study	C-21	Lecture
Unit-II	Clarification Class (Unit II)	C-22	Clarification Class
Unit-II	Classroom Assignment II (Unit II)	C-23	Classroom Assignment II
Unit-III	Introduction to Dalit Literature and Aesthetics	C-24	Lecture
Unit-III	Dalit Writers and Their Works	C-25	Lecture
Unit-III	Themes in Dalit Literature	C-26	Lecture
Unit-III	Dalit Narratives and Identity Politics	C-27	Lecture
Unit-III	Tribal Literature from North-East: Context	C-28	Lecture
Unit-III	The Legends of Pensam – Overview	C-29	Lecture
Unit-III	The Legends of Pensam – Textual Study I	C-30	Lecture
Unit-III	The Legends of Pensam – Textual Study II	C-31	Lecture
Unit-III	Clarification Class (Unit III)	C-32	Clarification Class (Unit III)
Unit-III	Classroom Assignment III (Unit III)	C-33	Classroom Assignment III
Unit-IV	Translation Studies: Definition & Nature	C-34	Lecture
Unit-IV	Theories of Translation	C-35	Lecture
Unit-IV	Types and Processes of Translation	C-36	Lecture
Unit-IV	Problems and Limitations of Translation	C-37	Lecture
Unit-IV	Translation vs Transliteration	C-38	Lecture
Unit-IV	Comparative Literature: Concepts	C-39	Lecture
Unit-IV	Scope and Relevance	C-40	Lecture

Unit-IV	Schools of Thought in Comparative Literature	C-41	Lecture
Unit-IV	Comparative Indian Literature	C-42	Lecture
Unit-IV	Clarification Class (Unit IV)	C-43	Clarification Class (Unit III)
Unit-IV	Classroom Assignment IV (Unit IV)	C-44	Classroom Assignment IV
Unit-V	Introduction to Interdisciplinary Approaches	C-45	Lecture
Unit-V	Multi-disciplinary and Inter-textual Studies	C-46	Lecture
Unit-V	Postmodern Perspectives on Literature	C-47	Lecture
Unit-V	Introduction to Cultural Studies	C-48	Lecture
Unit-V	Performance Traditions	C-49	Lecture
Unit-V	Cinema as Cultural Text	C-50	Lecture
Unit-V	Soap Opera and Mass Media	C-51	Lecture
Unit-V	Ecocriticism: Theory and Origins	C-52	Lecture
Unit-V	Postcolonial Ecocriticism	C-53	Lecture
Unit-V	Clarification Class (Unit V)	C-54	Clarification Class
Unit-V	Classroom Assignment V (Unit V)	C-55	Classroom Assignment-V
	Recap of Unit I & II	C-56	Lecture
	Recap of Unit III & IV	C-57	Lecture
	Recap of Unit V	C-58	Lecture
	Overall Course Review	C-59	Lecture
	Final Q&A / Clarification	C-60	Lecture

11019500 - Finance and Accounts

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Accounting Standards and Guidance: Notes on various accounting aspects issued	C-1	Lecture
Unit-I	Accounting Standards and Guidance: Notes on various accounting aspects issued	C-2	Lecture
Unit-I	Accounting Standards and Guidance: Notes on various accounting aspects issued	C-3	Lecture
Unit-I	Standard setting process- Accounting Principles	C-4	Lecture
Unit-I	Standard setting process- Accounting Principles	C-5	Lecture
Unit-I	Standard setting process- Accounting Principles	C-6	Lecture
Unit-I	GAAP Development and Study of Accounting Standards.	C-7	Lecture
Unit-I	GAAP Development and Study of Accounting Standards.	C-8	Lecture
Unit-I	Study of Indian Accounting Standards and International Accounting Standards issued.	C-9	Lecture
Unit-I	Study of Indian Accounting Standards and International Accounting Standards issued.	C-10	Lecture
	Clarification Class-I	C-11	Clarification Class
Unit-II	Corporate Financial Reporting - issues and problems with special reference to published financial statements	C-12	Lecture
Unit-II	Corporate Financial Reporting - issues and problems with special reference to published financial statements	C-13	Lecture
Unit-II	Corporate Financial Reporting - issues and problems with special reference to published financial statements	C-14	Lecture
Unit-II	Financial reporting in respect of various kinds of financial institutions like mutual funds	C-15	Lecture
Unit-II	Financial reporting in respect of various kinds of financial institutions like mutual funds	C-16	Lecture
Unit-II	Financial reporting in respect of various kinds of financial institutions like mutual funds	C-17	Lecture
Unit-II	Non-banking finance companies,	C-18	Lecture
Unit-II	Non-banking finance companies,	C-19	Lecture
Unit-II	Non-banking finance companies,	C-20	Lecture
Unit-II	Merchant bankers, stock brokers.	C-21	Lecture
Unit-II	Merchant bankers, stock brokers.	C-22	Lecture
Unit-II	Merchant bankers, stock brokers.	C-23	Lecture
	Take Home Assignment-I		Take Home Assignment
	Presentation-I	C-24	Presentation
	Clarification Class-II	C-25	Clarification Class

Unit-III	Financial Management-Nature,	C-26	Lecture
Unit-III	Financial Management-Nature,	C-27	Lecture
Unit-III	Objectives and Scope of Financial Management	C-28	Lecture
Unit-III	Objectives and Scope of Financial Management	C-29	Lecture
Unit-III	Financial Decision-Making and Types of Financial Decisions	C-30	Lecture
Unit-III	Financial Decision-Making and Types of Financial Decisions	C-31	Lecture
Unit-III	Financial Decision-Making and Types of Financial Decisions	C-32	Lecture
Unit-III	Role of a Finance Manager in a Firm and Agency Problem	C-33	Lecture
Unit-III	Role of a Finance Manager in a Firm and Agency Problem	C-34	Lecture
Unit-III	Role of a Finance Manager in a Firm and Agency Problem	C-35	Lecture
Unit-III	Capital Budgeting Decisions: Nature and Kinds of Capital Budgeting Decisions	C-36	Lecture
Unit-III	Capital Budgeting Decisions: Nature and Kinds of Capital Budgeting Decisions,	C-37	Lecture
Unit-III	Capital Budgeting Decisions: Nature and Kinds of Capital Budgeting Decisions	C-38	Lecture
Unit-III	Techniques of Evaluating Capital Budgeting Decisions	C-39	Lecture
Unit-III	Techniques of Evaluating Capital Budgeting Decisions.	C-40	Lecture
Unit-III	Techniques of Evaluating Capital Budgeting Decisions.	C-41	Lecture
	Clarification Class-III	C-42	Clarification Class
	Activity-I – Research Article writing	C-43	Activity
	Activity-II – Research Article writing	C-44	Activity
Unit-IV	Ratios- Liquidity Ratios - Current ratio- Quick ratio- Absolute Liquid Ratio	C-45	Lecture
Unit-IV	Profitability Ratios - Gross Profit Ratio- Net Profit Ratio	C-46	Lecture
Unit-IV	Operating ratio	C-47	Lecture
Unit-IV	Operating Profit ratio	C-48	Lecture
Unit-IV	Return on Investment	C-49	Lecture
Unit -IV	Return on capital Employed Ratio-	C-50	Lecture
Unit -IV	Earning per share Ratio Dividend Yield Ratio- Price earnings Ratio-	C-51	Lecture
Unit -IV	Net profit to Net Worth ratio Efficiency	C-52	
	Take Home Assignment-II		Take Home Assignment
	Presentation-II	C-53	Presentation
Unit -IV	Turnover Ratios - Stock turnover ratio	C-54	Lecture
Unit -IV	Debtors turnover ratio- Debt collection period ratio	C-55	Lecture
Unit -IV	Creditor turnover ratio- Average payment period	C-56	Lecture

Unit -IV	Working capital turnover ratio-	C-57	Lecture
Unit -IV	Fixed assets turnover ratio	C-58	Lecture
Unit -IV	Capital turnover ratio.	C-59	Lecture
	Clarification Class-IV	C-60	Clarification Class

13028400- Botany

Unit	Particulars	Class No.	Pedagogy of Class
Unit I	Introduction to Kingdom Classification	C-1	Lecture
Unit I	Classification Criteria	C-2	Lecture
Unit I	Economic Importance of Bacteria	C-3	Lecture
Unit I	Thallus Organization in Cyanobacteria	C-4	Lecture
Unit I	Reproductive Methods in Cyanobacteria	C-5	Lecture
Unit I	Group Characters of Cyanobacteria	C-6	Lecture
Unit I	Algae – General Characteristics	C-7	Lecture
Unit I	Chlorophyceae – Volvox and Ulothrix	C-8	Lecture
Unit I	Xanthophyceae – Diatoms	C-9	Lecture
Unit I	Phaeophyceae – Sargassum	C-10	Lecture
Unit I	Rhodophyceae – Batrachospermum	C-11	Lecture
Unit I	Economic Importance of Algae	C-12	Lecture
Unit I	Fungi – General Characteristics	C-13	Lecture
Unit I	Mastigomycotina – Phytophthora	C-14	Lecture
Unit I	Zygomycotina – Mucor	C-15	Lecture
Unit I	Ascomycotina – Eurotium	C-16	Lecture
Unit I	Basidiomycotina – Puccinia	C-17	Lecture
Unit I	Clarification Class- I	C-18	Clarification Class
	Take Home Assignment		Home Assignment
Unit II	Angiosperm Morphology – Roots	C-19	Lecture
Unit II	Angiosperm Morphology – Stems	C-20	Lecture
Unit II	Angiosperm Morphology – Leaves	C-21	Lecture
Unit II	Angiosperm Morphology – Seeds	C-22	Lecture
Unit II	Flower Structure	C-23	Lecture
Unit II	Fruits – Types and Formation	C-24	Lecture
Unit II	Angiosperm Classification & Nomenclature	C-25	Lecture
Unit II	Primitive and Advanced Features of Angiosperms	C-26	Lecture
Unit II	Angiosperm Families – Malvaceae	C-27	Lecture
Unit II	Angiosperm Families – Fabaceae	C-28	Lecture
Unit II	Angiosperm Families – Solanaceae	C-29	Lecture
Unit II	Angiosperm Families – Lamiaceae	C-30	Lecture
Unit II	Cell Structure in Prokaryotes and Eukaryotes	C-31	Lecture
Unit II	Organelles in Eukaryotic Cells	C-32	Lecture
Unit II	Cell Division – Mitosis	C-33	Lecture
Unit II	Cell Division – Meiosis	C-34	Lecture
Unit II	Cell Differentiation and Growth	C-35	Lecture
	Presentation-I	C-36	Presentation
Unit III	Ecosystem Structure and Function	C-37	Lecture
Unit III	Food Chains, Food Webs, and Ecological Pyramids	C-38	Lecture
Unit III	Energy Flow and Biogeochemical Cycles	C-39	Lecture
Unit III	Ecological Adaptations in Plants	C-40	Lecture
Unit III	Air, Water, and Land Pollution	C-41	Lecture
Unit III	Introduction to Laboratory Instrumentation	C-42	Lecture
Unit III	Turbidity Meter and Centrifuge	C-43	Lecture
Unit III	Biostatistics – Introduction and Sampling Methods	C-44	Lecture

Unit III	Presentation of Data – Tables and Graphs	C-45	Lecture
Unit III	Clarification Class	C-46	Clarification Class-
	Take Home Assignment		Home Assignment
Unit IV	Concept and Dynamics of Ecosystems	C-47	Lecture
Unit IV	Speciation and Extinction	C-48	Lecture
Unit IV	Environmental Impact Assessment	C-49	Lecture
Unit IV	Principles of Conservation	C-50	Lecture
Unit IV	Freshwater and Marine Ecosystems	C-51	Lecture
Unit IV	Aquatic Ecosystem Productivity and Mineral Cycles	C-52	Lecture
Unit IV	Fisheries of India – Management of Aquatic Resources	C-53	Lecture
Unit IV	Origin of Cultivated Plants	C-54	Lecture
Unit IV	Major Food Crops	C-55	Lecture
Unit IV	Fodder Legumes and Essential Oil Crops	C-56	Lecture
Unit IV	Medicinal Plants – Overview and Uses	C-57	Lecture
Unit IV	Natural Rubber, Insecticides, and Dyes	C-58	Lecture
Unit IV	Ornamental Plants in India	C-59	Lecture
	Presentation- II	C-60	Presentation

16003700- Political Science

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Introduction to Politics: Meaning and Process	C-1	Lecture
Unit-I	The Liberal View of Politics	C-2	Lecture
Unit-I	The Marxist View of Politics	C-3	Lecture
Unit-I	The Communitarian View of Politics	C-4	Lecture
Unit-I	Concept and Significance of the State	C-5	Lecture
Unit-I	State vs. Other Associations: Society, Civil Society, Government	C-6	Lecture
Unit-I	Meaning & Characteristics of Sovereignty	C-7	Lecture
Unit-I	Popular Sovereignty & Its Importance	C-8	Lecture
Unit-I	Liberty: Nature and Scope	C-9	Lecture
Unit-I	Dimensions of Liberty: Civil, Political, Economic	C-10	Lecture
Unit-I	Negative vs Positive Liberty	C-11	Lecture
Unit-I	Activity:	C-12	Activity
	Take Home Assignments		Take Home Assignments
Unit-I	Democracy: Classical and Liberal Models	C-13	Lecture
Unit-I	Theories of Representation & Electoral Systems	C-14	Lecture
Unit-I	Assignment	C-15	Assignment
Unit-I	Clarification Class	C-16	Clarification Class
Unit-II	Political Parties in India and Party System	C-17	Lecture
Unit-II	National vs. Regional Parties	C-18	Lecture
Unit-II	Determinants of Voting Behavior in India	C-19	Lecture
Unit-II	Case Studies: Elections 2014 & 2019	C-20	Activity
Unit-II	Workshop	C-21	Workshop
Unit-II	Understanding Secularism in Indian Context	C-22	Lecture
Unit-II	Comparative Models of Secularism	C-23	Lecture
Unit-II	Regional Aspirations in India	C-24	Lecture
Unit-II	Case Study: Kashmir, Nagaland, Telangana	C-25	Lecture
Unit-II	Activity: Debate "Uniform Civil Code: Yes, or No?"	C-26	Lecture
Unit-II	Clarification Class	C-27	Clarification Class
	Home Assignments		Home Assignments
Unit-III	Guest Lecture	C-28	Guest Lecture
Unit-III	Approaches to Indian Politics: Liberal	C-29	Lecture
Unit-III	Marxist and Gandhian Approaches	C-30	Lecture
Unit-III	Indian Constitution: Core Features	C-31	Lecture
Unit-III	Fundamental Rights & Directive Principles	C-32	Lecture
Unit-III	Assignment	C-33	Assignment
Unit-III	Executive: Prime Minister & Cabinet	C-34	Lecture
Unit-III	Legislature: Parliament's Role	C-35	Lecture
Unit-III	Judiciary and Judicial Review	C-36	Lecture
Unit-III	Institutional Relations and Balance of Power	C-37	Lecture
Unit-III	Clarification Class	C-38	Clarification Class
Unit-IV	Idealism vs Realism in International Relations	C-39	Lecture
Unit-IV	Activity	C-40	Lecture
Unit-IV	Structural Approaches: Neorealism & Neoliberalism	C-41	Lecture

Unit-IV	World Systems Theory (Wallerstein)	C-42	Lecture
Unit-IV	Critique of the World Systems Approach	C-43	Lecture
Unit-IV	India's Foreign Policy: Historical Context	C-44	Lecture
Unit-IV	Determinants of India's Foreign Policy	C-45	Lecture
Unit-IV	India's Relations with Neighbors	C-46	Lecture
Unit-IV	India in Global Institutions (UN, WTO, BRICS)	C-47	Lecture
Unit-IV	Idealism vs Realism in International Relations	C-48	Clarification Class
Unit-IV	Clarification Class	C-49	Lecture
	Home Assignment		Home Assignment
Unit-V	Presentation	C-50	Presentation
	Plato's Justice	C-51	Lecture
Unit-V	Aristotle on Citizenship	C-52	Lecture
Unit-V	Kautilya's Arthashastra and Statecraft	C-53	Lecture
Unit-V	Workshop	C-54	Workshop
Unit-V	Tilak and Gandhi: Concepts of Swaraj	C-55	Lecture
Unit-V	Ambedkar's Concept of Social Justice	C-56	Lecture
Unit-V	Assignment	C-57	Assignment
Unit-V	Lohia's Socialist Thought	C-58	Lecture
Unit-V	Comparative Analysis of Indian Thinkers	C-59	Lecture
Unit-V	Clarification Class-	C-60	Clarification Class

11024900 - Commerce

Unit	Particulars	Class No.	Pedagogy of Class
Unit-I	Accounting Concept and conventions,	C-1	Lecture
Unit-I	GAAP, Accounting Standards in India, Harmonization of Indian Accounting Standards,	C-2	Lecture
Unit-I	Capital Budgeting, Methods of capital Budgeting,	C-3	Lecture
Unit-I	Capital Budgeting, Methods of capital Budgeting,	C-4	Lecture
Unit-I	Capital Budgeting, Methods of capital Budgeting,	C-5	Lecture
Unit-I	Traditional and modern method of evaluation,	C-6	Lecture
Unit-I	Working capital and management, cash management,	C-7	Lecture
Unit-I	Working capital and management, cash management,	C-8	Lecture
Unit-I	Inventory management, receivable management, Dividend decisions.	C-9	Lecture
Unit-I	Inventory management, receivable management, Dividend decisions.	C-10	Lecture
	Clarification Class-I	C-11	Clarification Class
Unit-II	Accounting for Managers, methods of analysis,	C-12	Lecture
Unit-II	Financial analysis and interpretation, comparative statement analysis, common-size statement,	C-13	Lecture
Unit-II	Ratio Analysis,	C-14	Lecture
Unit-II	Ratio Analysis,	C-15	Lecture
Unit-II	Cash flow statement,	C-16	Lecture
Unit-II	Fund flow statement,	C-17	Lecture
Unit-II	Budgeting, fixed budget,	C-18	Lecture
Unit-II	Flexible budget,	C-19	Lecture
Unit-II	Performance budgeting, ,	C-20	Lecture
Unit-II	Zero-base budgeting	C-21	Lecture
Unit-II	Activity based Costing, Value Chain Analysis,	C-22	Lecture
Unit-II	Quality Costing, Target Costing.	C-23	Lecture
	Take Home Assignment-I		Home Assignment
	Presentation-I	C-24	Presentation
	Clarification Class-II	C-25	Clarification Class
Unit-III	Accounting for merger and acquisition,	C-26	Lecture
Unit-III	Internal and external reconstruction,	C-27	Lecture
Unit-III	Break even Analysis: Linear and Non-Linear Approaches,	C-28	Lecture
Unit-III	Break even Analysis: Linear and Non-Linear Approaches,	C-29	Lecture
Unit-III	Emerging short-term & long-term financial instruments,	C-30	Lecture
Unit-III	Emerging short-term & long-term financial instruments,	C-31	Lecture
Unit-III	Financial decisions,	C-32	Lecture
Unit-III	Cost of capital	C-33	Lecture

Unit-III	Cost of capital	C-34	Lecture
Unit-III	Capital structure,.	C-35	Lecture
Unit-III	Theories of capital structure	C-36	Lecture
	Clarification Class-III	C-37	Clarification Class
Unit-IV	Activity-I – Research Article writing	C-38	Activity
Unit-IV	Activity-II – Research Article writing	C-39	Activity
Unit-IV	Importance of Human Resource Management;	C-40	Lecture
Unit-IV	Challenges Faced by a modern Human Resource Manager;	C-41	Lecture
Unit-IV	Broad Functions of an HRM Department,	C42	Lecture
Unit-IV	Determination of HR Requirements,	C43	Lecture
Unit-IV	Determination of HR Requirements,	C44	Lecture
Unit-IV	Need and Types of HR Policies;	C45	Lecture
Unit-IV	Need and Types of HR Policies;	C46	Lecture
Unit-IV	Indian Labour Policy;	C47	Lecture
Unit-IV	Indian Labour Policy;	C48	Lecture
Unit-IV	Job Analysis - Purposes, uses, contents, steps and techniques,	C49	Lecture
Unit -IV	Job Analysis - Purposes, uses, contents, steps and techniques,	C50	Lecture
Unit -IV	Recruitment and Selection	C51	Lecture
	Clarification Class-IV	C52	Clarification Class
	Take Home Assignment-II		Home Assignment
	Presentation-II	C53	Presentation
Unit -V	Marketing Concepts;	C54	Lecture
Unit -V	Marketing Mix;	C55	Lecture
Unit -V	Strategic Marketing Planning,	C56	Lecture
Unit -V	Marketing Environment – Macro and Micro Components and their Impact on Marketing Decisions,	C57	Lecture
Unit -V	Marketing Environment – Macro and Micro Components and their Impact on Marketing Decisions,	C58	Lecture
Unit -V	Market Segmentation; Buyer Behaviour.	C59	Lecture
Unit -V	Clarification Class-V	C60	Clarification Class

Note: The review of Syllabus happens on periodic basis for the benefit of the students. Incase there are changes in curriculum due to review, students would be intimated in writing.

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