



SHRI VARSHNEY COLLEGE ALIGARH



PROGRAMME OUTCOME AND PROGRAMME SPECIFIC OUTCOMES

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Program Outcome Under Graduate Programmes :

Students of all undergraduate general degree Programmes at the time of graduation will be able to

- PO1. **Critical Thinking:** Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- PO2. **Effective Communication:** Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- PO3. **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO4. **Effective Citizenship:** Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
- PO5. **Ethics:** Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- PO6. **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.
- PO7. **Self-directed and Life-long Learning:** Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

Program Outcome Postgraduate Classes

1. **Knowledge Upgradation** – To gain deeper knowledge in the chosen subject and to study and understand theoretical concepts and to apply the knowledge gained in fruitful endeavours.
2. **Understanding and critically analysing challenges** – To learn to Identify, evaluate, review and critically analyze problems to reach meaningful conclusions.
3. **Development of research aptitude** – To understand how to design research problem, collect data, refer literature and read and understand research reports.
4. **Correlation of their subject with needs of the society** - Application of the subject knowledge with problems and contradictions in the society and to understand the theoretical constructs in context of gender related, health safety, legal and cultural issues etc.
5. **Sustainability with Environment** –The relationship, impact of human activities on and the need to conserve natural environments and to develop the ability to apply their knowledge to understand issues relating to sustainability and environmental conservation.
6. **Ethics**-Understand the need and application of ethical principles in preparing reports and in professional lives.
7. **Effective communication** –to learn to effectively communicate both orally and in the written word and to learn to present their work effectively.
8. **Lifelong learning**-Understand the need for and develop ability to engage in independent and lifelong learning in tune with advances in technology.

Programme Specific Outcomes: Science Faculty

B.Sc. Botany

- PSO1 Analyse the basic concept and study of lower group of plants like algae, fungi, bryophyte, pteridophytes and microbiology.
- PSO2 Understand the concepts of Plant taxonomy and anatomy.
- PSO3 Analyse the basic concept of cell biology, Biochemistry, Biotechnology, and Plant physiology.
- PSO4 Understanding the ecology, environment, and economic botany and perform the laboratory procedures for structure study, plant physiology, biochemistry taxonomy, cytology, anatomy and ecology.

M.Sc. Chemistry

- PSO 1 Understand about the hydrosphere, water quality parameters, composition of soils metal ions in biological process, bioenergetics knowledge of transition metal & complexes, metal in medicines.
- PSO 2 Understand the basic fundamentals of organic chemistry as : electron displacement effect, conformational analysis, resonance, mechanism of chemical reactions, pericyclic reactions.
- PSO 3 Knowledge of Spectroscopic techniques for structural analysis of chemical compound.
- PSO 4 Understand photochemical reaction, chemistry of enzymes, co-enzymes and waste management, solid state reactions biopolymers.
- PSO 5 Perform experiments in Lab such as mixture analysis, synthesis of organic and inorganic compounds and physical chemistry exercises.

BSc. Chemistry

- PSO 1 Learn about the atomic structure, periodic properties, nature of bonding, and mechanism of different chemical reactions.
- PSO 2 Understand the basic properties of chemical compounds their preparation, structure, bonding uses of co-ordinate compounds, Acids & bases, alcohol, aldehydes, carbocyclic acids etc.
- PSO 3 Understand the concept of physical chemistry as states of matter, chemical kinetics, laws of thermodynamics chemical equilibrium, Quantum mechanics, spectroscopic techniques etc.
- PSO 4 Perform experiments in Lab: Analysis of organic & inorganic mixtures separations & identification, preparation of compounds Physical chemistry experiments.

B.Sc. Computer Science

- PSO1 Ability to apply knowledge of computing, mathematics, and basic sciences that may be relevant and appropriate to the domain.
- PSO2 Ability to analyze a problem, identify and define the computing requirements, which may be appropriate to its solution.
- PSO3 Ability to design, implement, and evaluate computer-based system, process, component, or program to meet desired needs.
- PSO4 Ability to function effectively on teams to accomplish a common goal.
- PSO5 Understanding of professional, ethical, legal, security, social issues and responsibilities.
- PSO6 Ability to communicate effectively among a range of audiences.
- PSO7 Ability to analyze the local and global impact of computing on individuals, and organizations.
- PSO8 Recognition of the need for continuing professional development.
- PSO9 Ability to use current techniques, skills, and tools necessary for computing practices.
- PSO10 Ability to use and apply current technical concepts and practices in the core development of solutions in the form of Information technology
- PSO11 Ability to identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems.
- PSO12 Ability to incorporate effectively integrate IT-based solutions to applications.
- PSO13 Understanding of best practices and standards to develop user interactive and abstract application.
- PSO14 Ability to assist and manage the execution of an effective project plan.
- PSO15 Prepare the assignment file to enhance the knowledge of student.

B.A. / B.Sc. Mathematics

- PSO1 Understand the concepts and algebraic structures of group theory, ring theory and vector space with simple examples and applications.
- PSO1 Learn to solve differentiation and integrations with the help of Leibnitz Maclaurin's and Taylor's series and make use of linear equations for solving any differential equations
- PSO3 Understanding various problems related with complex numbers, linear transformations, linear functionals, Biduals, annihilators, direct sum and linear equations.

- PSO4 To develop the knowledge of basic concepts of Euclidean geometry, real analysis and complex analysis and to construct simple geometric examples and proofs.
- PSO5 Determine complex functions and separation in to real and imaginary parts, velocity and acceleration along radial and transverse directions explain the motion on smooth and rough plane rocket motion and Newton's law of motion, centre of gravity, stable and unstable equilibrium.

M.A. / M.Sc. Mathematics

- PSO1 Describe axiomatic study of real numbers, Archimedean property, Bolzano Weierstrass theorem. To define sequences of real numbers and to develop the knowledge of basic geometric proofs.
- PSO2 To communicate mathematics effectively.
- PSO3 To demonstrate a computational ability in solving a wide array of mathematical problems.
- PSO4 To differentiate valid and invalid mathematical reasoning.
- PSO5 To develop mathematical ideas from basic axioms.
- PSO6 Understand the problems of transportation and assignment, Queueing theory and Game theory.
- PSO7 To apply critical thinking skills.
- PSO8 To solve problems that can be modeled mathematically.

M.Sc. Physics

- PSO1 Understand Mathematical & Computational Methods in Physics, Classical Mechanics and Statistical Mechanics.
- PSO2 Understand Atomic & Molecular Physics, Electrodynamics & Plasma Physics.
- PSO3 Understand Quantum Mechanics, Nuclear and Particle Physics.
- PSO4 Understand Integrated Circuits, Digital Electronics and Electronic Communication Systems.
- PSO5 Perform procedures as per laboratory standards in the areas of Electrodynamics, Spectroscopy, Solid State Electronics, Integrated Circuits, Digital Electronics and Electronic Communication Systems.

B.Sc. Physics

- PSO1 Understand Mechanics, Wave Motion, Kinetic Theory, Thermodynamics, Circuit Fundamentals and Basic Electronics.
- PSO2 Understand Physical Optics, Lasers, Electromagnetics, Elements of Quantum Mechanics, Atomic and Molecular Spectra.

- PSO3 Understand Relativity, Statistical Physics, Solid State Electronics, Solid State and Nuclear Physics.
- PSO4 Perform procedures as per laboratory standards in the areas of Mechanics, Kinetic Theory of Matter, Thermodynamics, Circuit Fundamentals, Basic Electronics.
- PSO5 Perform procedures as per laboratory standards in the areas of Physical Optics, Electromagnetics, Atomic Physics, Molecular Physics, and Lasers.
- PSO6 Perform procedures as per laboratory standards in the areas of Statistical Physics, Solid State Physics, Solid State Devices, Electronics and Nuclear Physics.

B.Sc. STATISTICS

- PSO 01 Understand the Concepts of Probability of Events , Random Variables and their various Probability Distributions. Concepts of Statistical Methods and Numerical Analysis.
- PSO 02 Understand the Concepts of Statistical Inference along with Sampling Distributions. Perform various Sampling techniques and Applications of ANOVA and Design of Experiment techniques.
- PSO 03 Analyze various data using Operations Research techniques. Understand the Concepts of Non-parametric Methods and Attributes, Applied Statistics with Demography.

BSc Zoology

- PSO1 Appreciate the different types of animal body plans in non-chordates and chordates.
- PSO2 Understand the basic principles of Taxonomy, Evolution, Embryology and Ecology.
- PSO3 Understand the basic principles of Genetics, Cell biology, Biochemistry, Physiology, Immunology, Genetic engineering, Microbiology, and the importance of conservation of animals.
- PSO4 Understand the applications of biological sciences in controlling parasites, vectors and pests, Apiculture, Aquaculture, Pisciculture, Poultry culture, Sericulture, Lac culture, and Animal Behaviour.
- PSO5 Understand the principle and develop competence in handling biological tools and in performing experimental procedures as per established protocols in the field of animal diversity, cell biology, biochemistry, genetics, economic zoology, toxicology, histology, and biostatistics.

Programme Specific Outcomes: Faculty of Education

Department of Teacher Education

- PSO1 Enable student teachers to engage with studies on Indian society and education, diverse communities, children and schools.
- PSO2 Develop a conceptual understanding about issues of diversity, inequality and marginalization in Indian society and the implications for education.
- PSO3 Focus on aspects of social and emotional development, self and identity cognition and learning.
- PSO4 Theoretical foundations of school knowledge from historical, philosophical and sociological perspectives with critical analysis of curricular aims and contexts, and the relationship between curriculum, policy and learning.
- PSO5 Understanding of the cultures, policies and practices that need to be addressed in order to create an inclusive school.
- PSO6 Study of the nature of disciplines, critical understanding of the school curriculum and linking school knowledge with community life.
- PSO7 Enhance the professional capacities of a student teacher to use ICT in the classroom as an important step for ICT enabled education.
- PSO8 Develop artistic and aesthetic sensibilities and learn the use of art, craft, drama and music in teaching learning activities.
- PSO9 Develop a holistic vision of life through yoga, health and physical education, environmental education and value education.
- PSO10 Understand the process of socialization and the role of schools, teachers and curriculum for influencing gender equity.
- PSO11 To develop an understanding of educational and vocational guidance and counselling at school as well as college level.

Programme Specific Outcomes: Faculty of Commerce

GROUP A: BUSINESS ADMINISTRATION GROUP

Under Graduate course (B.Com)

- PSO1 An inclination towards lifelong learning and acquiring contemporary knowledge.
- PSO2 To make the student understand the concept nature, process and significance of management, planning, organising, controlling and motivating people at work.
- PSO3 The students are prepared to be well versed in concept relating to entrepreneurship.
- PSO4 To develop the ability to understand, analyse and develop the fundamentals of computer and internet.

Post Graduate Course (M.Com.)

- PSO1 To update the knowledge of statistics by correlation and regression analysis, interpolation and extrapolation.
- PSO2 To make the students aware of financial goals, profit investment analysis, profitability index, risk analysis in capital budgeting, cost of capital.
- PSO3 To equip the students regarding the concepts, scope and functions of production management through plant and process layout along with flow systems.
- PSO4 To introduce the students to the concept of management and organisational behaviour by teaching them the scientific process, human behaviour.
- PSO5 Educate the students about the concept and significance as well as dimension of business environment.

GROUP B: ACCOUNTS AND LAW GROUP

Under Graduate course (B.Com)

- PSO1 Students will be able to demonstrate progressive learning of various tax issues and tax forms related to individuals. Students will be able to demonstrate knowledge in setting up a computerized set of accounting books
- PSO2 Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.
- PSO3 Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
- PSO4 Students will learn relevant managerial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
- PSO5 Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, finance, auditing and marketing.

- PSO6 Learners will be able to recognise features and roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.
- PSO7 Learners will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.
- PSO8 Learners will acquire the skills like effective communication, decision making, problem solving in day to day business affairs
- PSO9 Learners will involve in various co-curricular activities to demonstrate relevancy of foundational and theoretical knowledge of their academic major and to gain practical exposure.
- PSO10 Learners can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
- PSO11 Learners will be able to do higher education and advance research in the field of commerce and finance.

Post Graduate Course (M.Com.)

- PSO1 To inculcate the knowledge of business and the techniques of managing the business with special focus on marketing, Insurance and banking theory law and practices.
- PSO2 To impart the knowledge basic accounting principles and the latest application oriented corporate accounting methods.
- PSO3 To develop the decision making skill through costing methods and practical application of management accounting principles.
- PSO4 To enhance the horizon of knowledge in various field of commerce through advertising and sales promotion, auditing and entrepreneurial development.
- PSO5 To enhance the computer literacy and its applicability in business through latest version on tally and e-commerce principles.
- PSO6 To create awareness in application oriented research through research for business decisions.

GROUP C: APPLIED BUSINESS ECONOMICS GROUP

Under Graduate course (B.Com)

- PSO1 An inclination towards lifelong learning and acquiring contemporary knowledge.
- PSO2 To make the student understand the concept nature, process and significance of management, planning, organising, controlling and motivating people at work.
- PSO3 The students are prepared to be well versed in concept relating to entrepreneurship.

PSO4 To develop the ability to understand, analyse and develop the fundamentals of computer and internet.

Post Graduate Course (M.Com.)

PSO1 Making and forward planning by management so make it simple and beneficial to UG students App. B. Eco.

PSO2 Analysis about capital budgeting in also very beneficial to students.

PSO3 Business Statistics also provides & some of data collection, description, skewness, different averages.

PSO4 App. Buss. Eco. Takes about Public fun and industrial law. It gives realistic approach of economy understanding to students.

PSO5 Financial Managements Management Accounting, Marginal Costing, Ratio Analysis also beneficial to student.

PSO6 After Completing his UG Course, App. Bus. Economics give, advance know hour and approaches towards economy by given than sense about Statistical Analysis as association of attributes, element of probability, Trees of Interpolations Interpolation; know have of sampling theory.

PSO7 Financial Analysis and control is also a integral part of App. Buss. Economics. Under this head student know about marginal costing, B.E. and PIV ratio reporting to management.

PSO8 Applied Business Economics also adhere to financial institutional theory, function of banking system and also know about RBI.

PSO9 Lastly it also touch Foreign Trade Export & Import and financial agency of world report as world banks I.M.F.

Programme Specific Outcomes: Faculty of Law

Department of Law

PSO1 To understand the nature and basic concepts of law, specially rights and duties. To make students aware about the practical aspects of law such as Moot Court, Lok Adalat, visit to Supreme Court etc. Legal Aid Clinic for poor & needy people is also a part and parcel for LL.B. program.

PSO2 To understand different types of legal provisions and their interpretations such as Criminal laws, Civil laws, and Taxation laws etc.

PSO3 To understand and analyze the behavior & reform of criminals, such as Habitual offenders, Born criminals, White Collar criminals etc.

PSO4 To understand and analyze corporate laws, Environmental laws, Administrative decision, discretion and delegated legislation (bylaws), Personal laws i.e. Hindu law, Muslim law etc. and their family disputes and successory rights.

Programme Specific Outcomes: Faculty of Arts

B.A. Drawing and Painting

- PSO 1 Understand the concept and techniques of art with specific reference to Indian folk art.
- PSO 2 Understand the history and characters of important schools of Indian Art.
- PSO 3 Understand Indian Modern art
- PSO 4 Appreciate and describe the contribution of important artists.

M.A. Drawing and Painting

- PSO 1 Understand the history and philosophy of modern art.
- PSO 2 Understand and analyse the history and phases of European painting.
- PSO 3 Understand the development and variations of oriental art forms of India, China and Persia.
- PSO 4 Understand art in the context of its interaction with religion, society, intuition, trade and industries.

B.A. Economics

- PSO 1 Understand the demographic features and various aspects of Indian economy.
- PSO 2 Determine economic variables including inflation, poverty and unemployment etc.
- PSO 3 Know the structure of markets and equilibrium of a firm and industry under various market conditions.
- PSO 4 Know functions and objectives of various international institutions like IMF, IBRD and WTO etc.

M.A. Economics

- PSO 1 Know objectives of macroeconomics policies in developed and developing countries Industrial, trade and agricultural policies with special reference to India.
- PSO 2 Know about tax structure of India and role of government to achieve maximum social advantage.
- PSO 3 Major demographic features of Indian population. Relationship between population and development. Concepts of Fertility, Nuptiality and Mortality.
- PSO 4 Know the theories of International trade and recent changes in the direction and composition of India's foreign trade. Working and regulation of MNCs in India.

B.A. English

- PSO1 Demonstrate knowledge of English as a world language and gain in-depth knowledge of the structure and grammar of the English language.

- PSO2 Understand literary terms, major periods of literary history, authors and genres.
- PSO3 Learn to critically analyze a literary text of authors of different countries like England, America, Australia, Canada, and India etc. with respect to their socio-cultural, political and historical perspective.
- PSO4 Develop complex reading, writing, speaking and comprehension skills.

M.A. English

- PSO1 Critically analyze literary texts by different British, American & Indian English creative literary artists like Chaucer, Shakespeare, Milton, Alexander Pope, Wordsworth, Shelley, Keats, Tennyson, Marlowe, Fielding, Jane Austen, Hardy, Walt Whitman, Emily Dickinson, Robert Frost, Premchand, Mahatma Gandhi, Vivekanand etc.
- PSO2 Demonstrate an awareness of the social, historical, literary and cultural perspective of literary texts of different countries.
- PSO3 Identify and discriminate amongst different Genres of literature like Poetry, epic, drama, fiction. Non-fictional prose etc.
- PSO4 Understand different literary critics like Aristotle, Longinus, Sidney, Dryden, Eliot, from Classical period till the modern and their contribution to literary criticism.

B.A. Geography

- PSO 1 Understand the physical elements and physical activities of our Earth regarding Atmosphere, Lithosphere, Hydrosphere and Biosphere.
- PSO 2 Analyse Man and Environment, relationship Determinism Possibilism, Neo-determinism, Probabilism.
- PSO 3 Understand the World Population growth, Density and distributional pattern, Human Settlement and Human Economy.
- PSO 4 Analyse the Economic Perspectives of the World, including Economic landscape, resources and main economic activities.
- PSO 5 Understand all physical and cultural aspects of our country.
- PSO 6 To know the meaning and concept of Geography including its development during different periods.
- PSO 7 Understand Geography as a study of environment, Concepts and components, ecology and ecosystem, Man environment relationship.
- PSO 8 Determine the environmental challenges and Environmental Management.
- PSO 9 Understand the all Geographical perspectives regarding South West Asia.

M.A. Geography

- PSO 1 Understand the 'Geomorphology with reference to certain fundamental Concepts.
- PSO 2 To know the Philosophical and methodological concepts of the subjects and to familiarize them with the major landmarks in development of geographic thought at different periods of time.
- PSO 3 Understand the changing economy of the world and to integrate the various factors of economic development about the dynamic aspects of economic geography.
- PSO 4 Determine the demographic and socio-economic attributes of population and the resultant levels of social well-being and economic development.
- PSO 5 Understand weather phenomena Dynamics of global climates, evolution of the oceans physical and chemical properties of sea water and atmospheric and oceanographic circulation.
- PSO 6 Analyse the natural and human resources endowments their conservation and management and to understand the development issues and policies and programmes designed for regional development.
- PSO 7 Understand Environment and its concept of Ecology and Ecosystem and concept of Environmental Management and development.
- PSO 8 Understand the process of urbanisation and origin, growth and classification of urban settlements and examine the contemporary urban issues and suggest new urban planning and urban policy perspectives.

B.A. Hindi Language

(बी0ए0) हिन्दी भाषा पाठ्यक्रम

1. स्नातक स्तर पर हिन्दी भाषा के अध्यापन से विद्यार्थी हिन्दी भाषा का आरम्भिक ज्ञान प्राप्त कर सकेंगे
2. विद्यार्थी हिन्दी भाषा के विकास को समझ सकेंगे । हिन्दी भाषा की व्याकरण की कोटियों को समझ सकेंगे ।
3. हिन्दी के विविध रूपों – राजभाषा हिन्दी, प्रयोजन मूलक हिन्दी, सम्पर्क भाषा हिन्दी आदि हिन्दी के विविध रूपों से परिचय प्राप्त कर सकेंगे । हिन्दी भाषा क्षेत्र से परिचित हो सकेंगे ।

4. उपर्युक्त परिचय के उपरान्त विद्यार्थी हिन्दी भाषा के विविध रूपों का वर्गीकरण करने में सक्षम हो सकेंगे अर्थात् वे राजभाषा हिन्दी, सम्पर्क भाषा हिन्दी, प्रयोजन मूलक हिन्दी आदि के बीच अन्तर करना सीख पायेंगे ।
5. हिन्दी भाषा के उपर्युक्त, ज्ञान के बाद विद्यार्थी हिन्दी भाषा के विविध रूपों को समझ कर साहित्यिक कृतियों के भाषिक स्वरूपों की लेखन विश्लेषण क्षमता विकसित कर सकेंगे ।

B.A. Hindi Literature

बी०ए० साहित्य हिन्दी

1. स्नातक स्तर पर हिन्दी साहित्य से विद्यार्थी हिन्दी साहित्य के ऐतिहासिक विकास से परिचित हो सकेंगे हिन्दी साहित्य के विविध साहित्यिक रूपों के उद्भव और विकास से परिचित हो सकेंगे ।
2. इस परिचय के अन्तर्गत हिन्दी साहित्य के आदिकालीन, मध्यकालीन तथा आधुनिक साहित्यकारों और उनके साहित्य से गहन परिचय प्राप्त कर सकेंगे ।
3. विद्यार्थियों को हिन्दी काव्य एवं हिन्दी गद्य विधाओं का परिचय प्राप्त हो सकेगा ।
4. विद्यार्थी हिन्दी काव्य क्षेत्र के विविध वादों से परिचित हो सकेंगे ।
5. उपर्युक्त परिचय के उपरान्त विद्यार्थी हिन्दी साहित्य के आदि कालीन मध्यकालीन एवं आधुनिक साहित्य का वर्गीकरण (तात्त्विक अन्तर) करने में समर्थ हो सकेंगे ।
6. निर्धारित पाठों के अध्ययन के उपरान्त विद्यार्थी विविध विधाओं के आधार पर साहित्यिक घटकों का वर्णन कर पायेंगे ।
7. उपर्युक्त अध्ययन के आधार पर विद्यार्थी साहित्यिक विधाओं की व्याख्या, विश्लेषण, सारांश लेखन साहित्यकारों का परिचय आदि सीख पायेंगे ।

M.A. Hindi

स्नातकोत्तर (एम०ए०) हिन्दी पाठ्यक्रम

स्नातकोत्तर हिन्दी – पूर्वाद्ध एवं उत्तराद्ध दो खण्डों में विभाजित कार्यक्रम है ।

पूर्वाद्ध के चार पत्र हैं । जिनमें :

- 1 प्रथम पत्र– आधुनिक गद्य साहित्य के अन्तर्गत नाटक, उपन्यास, निबन्ध और कहानी के निर्धारित पात्रों का अध्ययन अपेक्षित है । इनके अतिरिक्त द्रुत पाठ के अन्तर्गत नाटककार, उपन्यासकार, कहानीकार के अतिरिक्त अन्य विधाओं – जीवनी और आत्मकथा के निर्धारित पाठों का अध्ययन करेंगे ।
2. द्वितीय पत्र– प्राचीन एवं मध्यकालीन काव्य के अन्तर्गत निर्धारित आठ कवियों में से पाँच कवियों का अध्ययन अपेक्षित है । आदिकाल से चंदबरदाई, विद्यापति पूर्व मध्यकाल से कबीर, जायसी,

सूरदास, तुलसीदास तथा उत्तर मध्यकाल से धनानंद और बिहारी के निर्धारित पाठ में से किन्हीं पाँच कवियों के काव्य का अध्ययन विद्यार्थी करेंगे ।

3. तृतीय पत्र- हिन्दी साहित्य का इतिहास के अन्तर्गत काल विभाजन, सीमा निर्धारण और नामकरण से गहन परिचय के साथ हिन्दी साहित्य के इतिहास के चारों कालों की साहित्यिक, राजनीतिक, आर्थिक तथा सांस्कृतिक पृष्ठभूमि का अध्ययन कर सकेंगे । इतिहास के अन्तर्गत ही विभिन्न कालों की साहित्यिक प्रवृत्तियों एवं विशेषताओं तथा विभिन्न विद्याओं तथा वादों के विकास का गहन अध्ययन कर सकेंगे।

4. चतुर्थ पत्र – भाषा विज्ञान एवं हिन्दी भाषा के अन्तर्गत प्रथम खण्ड में भाषा और भाषा विज्ञान, स्वनप्रक्रिया, व्याकरण, अर्थ विज्ञान, साहित्य और भाषा विज्ञान के आपसी सम्बन्धों का ज्ञान विद्यार्थी अर्जित कर सकेंगे।

द्वितीय खण्ड हिन्दी भाषा के अन्तर्गत हिन्दी भाषा के विकास की ऐतिहासिक प्रक्रिया, हिन्दी का भौगोलिक क्षेत्र, हिन्दी का भाषिक स्वरूप हिन्दी के विविध रूप, हिन्दी में कम्प्यूटर की सुविधायें तथा देवनागरी लिपि का गहन अध्ययन विद्यार्थी कर सकेंगे।

उत्तरार्द्ध

स्नातकोत्तर हिन्दी – उत्तरार्द्ध में छह पत्रों का अध्ययन – अध्यापन अपेक्षित है जो निम्न प्रकार से है –

प्रथम प्रश्न पत्र : आधुनिक हिन्दी काव्य

प्रस्तुत पत्र में विद्यार्थी आधुनिक हिन्दी साहित्य के पाँच कवियों – मैथिलीशरण गुप्ता, जयशंकर प्रसाद, सूर्यकान्त त्रिपाठी निराला, सुमित्रानन्दन पंत और रामधारी सिंह निदरकर के काव्य से निर्धारित पाठ्यांशों का अध्ययन करेंगे ।

द्वितीय प्रश्न पत्र : काव्यशास्त्र एवं साहित्यालोचन

प्रस्तुत पत्र के अन्तर्गत प्रथम खण्ड – भारतीय काव्यशास्त्र के विभिन्न सम्प्रदायों का अध्ययन किया जाएगा। द्वितीय खण्ड-पाश्चात्य काव्यशास्त्र के तहत यूनानी, यूरोपीय और अमेरिकी काव्य शास्त्रियों के सिद्धान्तों से परिचित हो सकेंगे ।

तृतीय प्रश्न पत्र : भारतीय साहित्य

प्रस्तुत पत्र के अन्तर्गत भारतीय साहित्य की अवधारणा और उसके विविध आयामों से परिचित हो सकेंगे। बंगला और गुजराती साहित्य के इतिहास तथा गुजराती और हिन्दी साहित्य के इतिहास का तुलनात्मक अध्ययन कर सकेंगे । साथ ही साहित्य में से उपन्यास, नाटक और काव्य विधा के निर्धारित पाठ का अध्ययन कर सकेंगे ।

चतुर्थ प्रश्न पत्र : प्रयोजन मूलक हिन्दी

प्रस्तुत पत्र में विद्यार्थी हिन्दी के विविध स्वरूप-कामकाजी हिन्दी, राजभाषा हिन्दी, राष्ट्रभाषा हिन्दी आदि से परिचित हो सकेंगे । इसी पत्र में हिन्दी और कम्प्यूटर से विद्यार्थी परिचय प्राप्त कर सकेंगे । इसी पत्र में पत्रकारिता , मीडिया लेखन और अनुवाद के सिद्धान्तों और व्यावहारिक प्रयोग से विद्यार्थी परिचित हो सकेंगे।

पंचम प्रश्न पत्र : वैकल्पिक पत्र के रूप में है जिसके अन्तर्गत

1. जनपदीय भाषा और साहित्य
2. लोक साहित्य
3. प्राचीन भाषा पालि
4. किसी कवि / साहित्यकार का विशेष अध्ययन के अन्तर्गत – सूरदास, तुलसीदास, प्रेमचन्द में से किसी एक का गहन अध्ययन कर सकेंगे ।
5. विशिष्ट विद्या का अध्ययन – उपन्यास
6. व्यावसायिक वर्ग के अन्तर्गत पत्रकारिता प्रशिक्षण

उपर्युक्त में से किसी एक का गहन अध्ययन इस वैकल्पिक पत्र में विद्यार्थी कर सकेंगे ।

षष्ठ प्रश्न पत्र – मौखिकी

मौखिकी के अन्तर्गत सम्पूर्ण पाठ्यक्रम से विद्यार्थियों से मौखिक प्रश्न पूछे जायेंगे जिनका मौखिक उत्तर विद्यार्थी दे सकेंगे ।

1. स्नातकोत्तर (एम0ए0) स्तर पर निर्धारित उपर्युक्त पाठ्यक्रम के अध्ययन के उपरान्त हिन्दी भाषा साहित्य, काव्यशास्त्र, भारतीय साहित्य और वैकल्पिक खण्ड से किसी एक विकल्प के विद्यार्थी भली प्रकार ज्ञान और बोध में सक्षम हो सकेंगे ।
2. उपर्युक्त अध्ययन के उपरान्त विद्यार्थी उनका साहित्यिक अध्ययन में अनुप्रयोग सीख सकेंगे ।
3. साहित्यिक एवं भाषिक विश्लेषण में समर्थ हो सकेंगे ।
4. विद्यार्थी किसी विषय वस्तु पर सर्जन कर सकेंगे, साहित्यिक विषयों पर सम्भाषण कर सकेंगे तथा नए विषयों की धारणाएँ विकसित करने में सक्षम हो सकेंगे ।
5. उपर्युक्त अध्ययन के उपरान्त विभिन्न प्रकार के मूल्यांकन में समर्थ हो सकेंगे । यथा- पद्य – काव्य गद्य विद्याओं का मूल्यांकन, किसी कृति / रचना का आलोचनात्मक मूल्यांकन इत्यादि ।

B.A. – POLITICAL SCIENCE

PSO 1 To understand the basic concepts of Political Science propounded by Western and India Political Thinkers and make comparative study of the Democratic Governments of the world.

PSO 2 To describe the birth, growth and working of Democratic Government and role of Public Opinion, Political Parties and Pressure Groups in India and in the world.

- PSO 3 To understand the Basic concepts of Public Administration and the significant contribution of Bureaucracy to the process of development and the ways of Government control over it.
- PSO 4 To explain the factors determining and also concepts like the International Behaviour of the countries Diplomacy, Propaganda, Economic Instruments, Cold-War, Post Cold – War NAM, SAARC, ASEAN.

M.A. – POLITICAL SCIENCE

- PSO 1 To understand the functioning of Democratic Government of India and the World in its larger systematic milieu and Political Parties as the key ingredients of all the Modern Political Systems.
- PSO 2 To analyse systematically different Western and Indian Political Theories and their impact on ancient and contemporary political system.
- PSO 3 To determine the External Behaviour of the Countries in their relation with one another and role of International Organizations concerning global Social, Economic, Security, Peace, Terrorism and Humanitarian issues.
- PSO 4 To understand the significant contribution of Bureaucracy to the process of development of Developed and Developing countries and its role and relationship with decentralized Local-Self-Bodies.

B.A. History

- PSO 1 To understand Indian history from Ancient to Modern periods and major events of World history.
- PSO 2 To understand the present time in comprehensive frame work.
- PSO 3 To develop a critical approach that relies only on facts.
- PSO 4 To develop oral and written communication skill for further studies and competitive examinations.

M.A. History

- PSO 1 To understand and evaluate the complexities of historical societies, cultures and individuals.
- PSO 2 To understand the relevance of history for our own times.
- PSO 3 To acquire a clear understanding of major debates and issues of specialised fields of study.
- PSO 4 To acquire research skills using history methodology and historiography for further research and develop professional historian level proficiency in oral and written communication skills.

B.A. Defence and Strategic Studies

The objective of the programme is to introduce to graduate students the basic concepts and dimensions of Defence and Strategic Studies. The subjects of course reflect a broad framework for teaching and learning with flexibility approach to micro and macro issues of Defence and National Security.

The students should be able to:-

- PSO 1 Understand the concept, scope and definition of Defence Studies and National Security.
- PSO 2 Understand the variety of threats to the state.
- PSO 3 Understand the nation-state with security and importance of national interests.
- PSO 4 Gain the knowledge and analyze the visible and invisible challenges to the state.
- PSO 5 Analyze the various challenges to India's internal and external security.
- PSO 6 Construct a response to the perceived threats.

B.A. Physical Education

- PSO 1 To understand the physical education its need, importance and scope.
- PSO 2 To understand the relationship of physical education with general education.
- PSO 3 To understand the role of physical education in modern society.
- PSO 4 To understand the Philosophical Foundation of physical education Idealism, Pragmatism, Naturalism and existentialism in Physical Education.
- PSO 5 To understand the Priotological basis in Physical Education.
- PSO 6 To know the history of Physical Education in ancient time and in modern time with reference to the India and the world.
- PSO 7 To know the various National and International sports movement.
- PSO 8 To know the contribution to the growth of Physical Education by the various Physical Educators.
- PSO 9 To know the different Institutions of Physical Education, their functions and objectives.
- PSO 10 To understand the anatomy and Physiology cell, tissues, Various organs and organ systems of the body.

B.A. PSYCHOLOGY

- PSO1 Psychology is the science of behaviour and mind- including conscious and unconscious phenomena, feeling and thought.
- PSO2 Understanding of the emergent properties of brain and nervous system- central nervous system, peripheral nervous system and autonomic nervous system.

- PSO3 To define social psychology aims to understand individual and groups by general behaviour principles and researching specific cases.
- PSO4 To define mental functions in individual exploring the physiological, biological processes that understanding cognitive functions and behaviors.
- PSO5 Explore behaviour and mental processes including perception, cognition attention (affection), brain functioning, measurement of intelligence and phenomenology.
- PSO6 Interpersonal relationship- psychological resilience, family resilience, attraction etc.
- PSO7 Employ empirical method- causes and correlational, relationship between psychological variables.
- PSO8 Employing empirical and deductive methods especially in guidance and counselling.

M.A. PSYCHOLOGY

- PSO1 Psychology describes as a hub science” in that medicine tends to draw psychological research via-neurology and psychiatry.
- PSO2 To apply psychological knowledge to assess diagnose treatment of mental health problems.
- PSO3 To understand and to solve problems in several spheres of human activity; accounts aims to benefit society.
- PSO4 Psychologist are involved in therapeutic role- such as practicing in clinical counselling school salting in scientific researches and teaching in other academic institutions.
- PSO5 To explain uses of health psychology, positive psychology, psychotherapy, political psychology, law psychology and environmental psychology etc.
- PSO6 To explain uses of psychological tests in the selecting of civil services, army persons and organizational persons, such as intelligence tests, creative tests, personality tests etc.
- PSO7 To short out the problems of students, personal and vocational and to give the proper guidance and counselling – vocational, educational and personal.
- PSO8 To apply basic research and scientific knowledge in applied practices and investigation to behaviour.
- PSO9 To define other areas of psychology such as: human development, sports, health, the media, forensic, law and problems.
- PSO10 Experimental psychology examines relationships between mind and behaviors in controlled environments with designed, variables, test subjects and statistical result.

B.A. Sanskrit

स्नातक संस्कृत

पीएस 1 संस्कृत काव्य, छन्दशास्त्र एवम् काव्यशास्त्र का परिचय ।

पीएस 2 संस्कृत व्याकरण, निबन्ध लेखन कला ।

पीएस 3 वैदिक साहित्य, भारतीय संस्कृति का परिचय ।

पीएस 4 नाटक, नाट्यशास्त्र एवं गद्य का अध्ययन ।

M.A. Sanskrit

स्नातकोत्तर संस्कृत

पीएस 1 वैदिक संस्कृत साहित्य का परिचय

पीएस2. संस्कृत साहित्य एवम् आलोचना

पीएस3. संस्कृत व्याकरण एवम् भाषा विज्ञान

पीएस4 भारतीय दर्शन, धर्म, संस्कृति एवम् कला का परिचय

B.A. Sociology

PSO 1 To develop conceptual understanding of Society and its components.

PSO 2 To apply sociological concepts to understand contemporary social issues and problems.

PSO 3 To develop writing skills through assignments and communication skills through group discussions.

PSO 4 To have knowledge beyond the commonsense understanding of social system in context of Indian society.

M.A. Sociology

PSO 1 To develop Sociological perspective towards understanding of contemporary social issues and problems.

PSO 2 To learn methodology of social research and implement research techniques in the analysis of social phenomena through dissertation or field work.

PSO 3 To prepare for careers in teaching sociology and social services.

PSO 4 To provide knowledge beyond common sense and develop analytical approach to understand social life in increasingly complex world.



SHRI VARSHNEY COLLEGE ALIGARH



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Course Outcome Faculty of Science

Course Outcomes Deptt. of Zoology

BSc I Science Faculty/BSc Zoology/ BSc I/ Paper I/ Lower Non-Chordata

- CO1 Describe general characters of Non-Chordata.
- CO2 Classify protozoa up to orders giving characters and suitable examples.
- CO3 Describe structure, nutrition, reproduction, behaviour and cytoplasmic inheritance in *Euglena* and *Paramecium*.
- CO4 Classify Porifera up to orders giving characters and suitable examples.
- CO5 Describe structure, canal system, skeleton, nutrition, reproduction, and behaviour in *Sycon*.
- CO6 Classify Coelenterata and Ctenophora up to orders giving characters and suitable examples.
- CO7 Describe polymorphism in coelenterate, gastrovascular system in *Aurelia*, structure, nutrition, reproduction, sense organs, lifecycle and metagenesis, larval forms and behaviour in *Aurelia* and *Obelia*.
- CO8 Classify Platyhelminthes up to orders giving characters and suitable examples.
- CO9 Describe structure, habitat, nutrition, reproduction and life cycle, larval forms, parasitic adaptations, in *Taenia* and *Fasciola*.
- CO10 Classify Nematoda up to orders giving characters and suitable examples and the structure, nutrition, reproduction and lifecycle in *Ascaris*.

Science Faculty/BSc Zoology/ BSc I/ Paper I/ Higher Non-Chordata

- CO1 Describe the differences between lower and higher Non-Chordata.
- CO2 Classify Annelida up to orders giving characters and suitable examples.
- CO3 Describe the structure, parapodia, nutrition, circulation, respiration, behaviour, excretion, nervous system and sense organs, reproduction and development in *Nereis*. Characters of Heteroneries stage and structure of trochophore larva of Annelida.
- CO4 Classify Arthropoda up to orders giving characters and suitable examples.
- CO5 Describe the structure, appendages, nutrition, circulation, respiration, behaviour, excretion, nervous system and sense organs, reproduction and development in *Palaemon* and differences between male and female prawn.
- CO6 Classify Mollusca up to orders giving characters and suitable examples.
- CO7 Describe the structure, foot, shell, nutrition, circulation, respiration, behaviour, excretion, nervous system and sense organs, reproduction and development in *Pila globosa*.
- CO8 Classify Echinodermata up to orders giving characters and suitable examples.
- CO9 Describe the structure, pedicellaria, regeneration, nutrition, circulation, water vascular system and tube feet, respiration, behaviour, excretion, nervous system and sense organs, reproduction and development in *Asterias*.

B.Sc. I Paper III – Cell Biology & Genetics

- CO 1 Describe structure and functions of cell with cell theory and exceptions.
- CO 2 Describe the ultrastructure of plasma membrane with the help of models.
- CO 3 Describe structure and function of Mitochondria and Golgi bodies. Nucleus, functions Endoplasmic reticulum. Ribosomes.
- CO 4 Describe the structure of chromosome, DNA and RNA.
- CO 5 Describe cell division meiosis & Mitosb.
- CO 6 Describe medallion genetics , monohybrid cross, test cross, back cross dihybrid cross incomplete dominance
- CO 7 Describe Multiple alleles, Linkage, crossing over and interaction of genes.
- CO 8 Describe – sex determination, sex linked inheritance, Genetic Abnormalities.

Science Faculty/BSc Zoology/ BSc I/ Paper I/ Cell biology and Genetics

Science Faculty/BSc Zoology/ BSc I/ Practical

- CO 1 Understand the internal anatomy of animals like *Nereis*, *Pila*, *Palaemon*, *Asterias* with the help of dissection through multimedia / models / charts.
- CO 2 Learn to identify and comment on non-chordate animals.
- CO 3 Learn to study, identify, draw diagrams of and comment on slides of protozoans, microscopic animals and sections and body parts of other non-chordates.
- CO 4 Learn to prepare temporary and permanent slides from the material provided to them.
- CO 5 Learn about the different stages of cell division by a study of permanent slides and squash preparations of onion root tip.
- CO 6 Learn about cell structure by studying permanent slides.
- CO 7 Study giant chromosomes from permanent slides.

Science Faculty/BSc Zoology/ BSc II/ Paper I/ Chordata

- CO1 Understand the classification of Hemichordata and the affinities and habit, morphology, anatomy, physiology and development of *Balanoglossus*.
- CO2 Understand the classification of Cephalochordata and the affinities and habit, morphology, anatomy, physiology and development of *Branchiostoma*.
- CO3 Understand the classification of Urochordata and the affinities and habit, morphology, anatomy, physiology and post embryonic development of *Herdmania*.
- CO4 Understand the classification of Pisces up to orders with characters and examples.
- CO5 Understand the classification of Amphibia up to orders with characters and examples, Neoteny and parental care in amphibia
- CO6 Understand the classification of Reptilia with characters and examples, the identification of poisonous and non-poisonous snakes and biting mechanism in a snake.
- CO7 Understand the classification of Aves up to orders with characters and examples, respiration in pigeon and migration in birds
- CO8 Understand the classification of Mammalia up to orders with characters and examples and dentition in mammals.

Science Faculty/BSc Zoology/ BSc II/ Paper II/ Animal distribution, Evolution and Developmental Biology

- CO1 Understand the Geological (geological time scale and fossils) and Geographical distribution of animals (zoogeographical realms) with their characteristic fauna.
- CO2 Understand the different views about Origin of life and the Concept of Species
- CO3 Understand the different Evidences (including physiological and serological) for evolution.
- CO4 Understand the salient features, strengths and weaknesses of different theories of evolution (including Neo-Lamarckism, Darwin-Wallace theory of natural selection, Neo-Darwinism, Modern synthetic theory and the role of Mutation in evolution.
- CO5 Understand the Evolution of Man.
- CO6 Understand the process of Gametogenesis and the structure and types of eggs.
- CO7 Understand the process of Fertilization (Capacitation, Fertilizin-antifertilizin reaction, acrosomal reaction, cortical reaction)
- CO8 Understand the types and patterns of cleavage (role of yolk), process of Blastulation and Gastrulation (germ layers and Fate map).
- CO9 Understand the pattern of development of Chick up to formation of Primitive streak and extra embryonic membranes of chick.
- CO10 Understand Placentation (definition of placenta and its functions) and types of Placenta in mammals.

B.Sc. II Paper III : Physiology and Biochemistry

- CO 1 Describe Physiology of Digestion and Regulation of Hunger.
- CO 2 Describe Physiology of Respiration, Blood and Circulation.
- CO 3 Describe the Physiology of osmoregulation and neural transmission.
- CO 4 Describe Physiology of Endocrine system and thermoregulation.
- CO 5 Describe general Chemistry & classification of Carbohydrates and lipids.
- CO 6 Describe General Chemistry & Classification of Proteins & Enzymes.

Science Faculty/BSc Zoology/ BSc II/ Paper III/ Physiology and Biochemistry

Science Faculty/BSc Zoology/ BSc II/ Practical

- CO 1 Understand the internal anatomy of a cartilaginous fish with the help of dissection through multimedia / models / charts.
- CO 2 Learn to identify and comment on chordate animals of different classes of chordates.
- CO 3 Learn to study, identify, draw diagrams of and comment on slides of sections and body parts of different chordates.
- CO 4 Learn to study and identify different bones of reptiles and birds.
- CO 5 Learn to prepare temporary and permanent slides from the material provided to them.
- CO 6 Learn to conduct biochemical tests for amylase, sugar, albumin, acetone in urine, preparation of haemic crystals, and chromatography for separation of amino acids.

BSC III

Science Faculty/BSc Zoology/ BSc III/ Paper I/ Applied and Economic Zoology

- CO 1 Understand the Structure, life cycle, pathogenicity, including diseases, causes, symptoms and control of *Trypanosoma*, *Giardia* and *Wuchereria*.
- CO 2 Understand the Life cycle and control of following pests: Gundhi bug, Sugarcane leafhopper, Rodents. Termites and Mosquitoes.
- CO 3 Understand the principle, procedure, diseases of the following types of animal breeding and culture: Aquaculture, Pisciculture, Poultry, Sericulture, Apiculture and Lac-culture.
- CO 4 Understand the concept of biodiversity hotspots, IUCN categories, and reasons for decline, population status, measures for conservation and current status of important endangered species of India.
- CO 5 Understand the concept of protected area network and Important sanctuaries; national parks of India.
- CO 6 Understand different projects launched for the preservation of animal species and in-situ and ex-situ conservation of wild life.

Science Faculty/BSc Zoology/ BSc III/ Paper II/ Biotechnology, Immunology, Biological Tools and Techniques and Biostatistics

- CO 1 Understand the concept and process of Genetic Engineering (recombinant DNA technology).
- CO 2 Understand the application of Genetic engineering in agriculture, medicine/ pharmaceuticals (e.g. use of microbes in insulin production), energy production and the biotechnology of food-processing and fermentation.
- CO 3 Understand the concepts of immunity, types of immunity, Antigen and Antibodies, vaccines of different diseases and immunological reactions.
- CO 4 Understand the principle of operation and use of the following instruments: pH Meter, Calorimeter, Microtome, Spectrophotometer and Centrifuge.
- CO 5 Understand the principle and uses of Microscopy (light, transmission and scanning electron microscopy) Chromatography and Electrophoresis.

- CO 6 Understand important concepts in Biostatistics like Sampling, Measures of central tendency (mean, median and Mode) and dispersion (variance, standard deviation and standard error), Correlation and Regression.

B.Sc. III : Paper-III : Ecology, Microbiology, Animal Behaviour, Pollution

Toxicology :

- CO 1 Describe Ecology and concept of Ecosystem, Energy flow, Trophic levels and ecological niche.
- CO 2 Describe population, ecological succession and Adaptation.
- CO 3 Describe microbiology of Bacteria and Viruses.
- CO 4 Describe Patterns of Behaviour, Biorhythms, Migration of fishes and Birds.
- CO 5 Describe sources and types of Pollution.
- CO 6 Describe toxicology, exposure of toxicants, dose-responses relationship.

Science Faculty/BSc Zoology/ BSc III/ Paper III/ Ecology, Microbiology Animal Behavior and Pollution & Toxicology

Science Faculty/BSc Zoology/ BSc III/ Practical

- CO 1 Understand the branchial vessels and cranial nerves of *Wallago*, nervous system of cockroach and earthworm with the help of dissection through multimedia / models / charts.
- CO 2 Learn about different parasites, pests and vectors by a study of slides and specimens.
- CO 3 Learn about arthropods and annelids in different ecological niches like soil and water by a study of slides and specimens.
- CO 4 Learn about economically important fishes of India by a study of specimens.
- CO 5 Learn about the use of following instruments: haemocytometer, haemoglobinometer, pH meter, Colorimeter.
- CO 6 Undertake the application of concepts of pisciculture, biostatistics, animal behaviour, pollution etc. by undertaking a field project.

B.Sc. I : Paper – I. BOTANY

“Diversity of Viruses, Bacteria & Fungi”

- CO1: Know the history and nature of viruses, bacteria & fungi.
- CO2: Describe the classifications of viruses, bacteria and fungi.
- CO3: Describe the prokaryotic and eukaryotic cells in the reference of bacteria, mycoplasma and yeast.
- CO4: Describe the shape and structure of viruses and bacteria.
- CO5: Describe the thallus organization and reproduction in fungi.
- CO6: Write an essay on economic importance of bacteria and fungi.
- CO7: Describe the structure, type of symptoms and transmission methods of plant viruses.
- CO8: Describe the different techniques used in microbiology such as, purification of viruses, serology, electron microscopy, sterilization, bacterial culture and staining.
- CO9: Describe the viral and bacterial genome, cell division and genetic recombination in bacteria and plasmids.
- CO10: Identify and describe the characteristics and life cycle of the *Albugo*, *Mucor*, *Aspergillus*, *Saccharomyces*, *Ustilago*, *Puccinia*, *Agaricus*, *Alternaria*.

B.Sc. I Paper : I

Diversity of Algae, Lichen and Bryophyta

- CO.1 Understand the general characters of Algae and economics importance of Algae
- CO.2 Describe Range in Thallus organisation of Algae.
- CO.3 Understand Classifications of Algae.
- CO.4 Understand Classification and Thallus structure of Lichen.

- CO.5 Describe Reproduction, Physiology and Importance of Lichen.
- CO.6 Describe Life cycle and importance of Nostoc, Oscillatoria Volvox, Hydrodictyon, Chara, Oedogonium, Vaucheria, Ectocarpus and Polysiphonia.
- CO.7 Describe general characters, classification and affinities of Bryophytes.
- CO.8 Describe the Reproduction cycle in Riccia, Marchantia, Pogonatum and Antnoceros.

B.Sc. I : Paper - III

Pteridophytes, Gymnosperms and Paleobotany

- CO1. Describe General features and classification of Pteridophytes.
- CO2. Describe stellar system and its evolution.
- CO3. Describe class Lycopsidea and life cycle of Selaginella.
- CO4. Describe class Psillopsida and Rhynia.
- CO5. Explain Life cycle of Marsilea.
- CO6. Explain general character and classification of Gymnosperm.
- CO7. Describe Life cycle of Cycas.
- CO8. Explain Morphology and Reproduction of Pinus.
- CO9. Explain the General account, type of fissile and fossilization.
- CO10. Describe Geological Time Scale.

B.Sc. II : Paper – I

Angiosperms : Systematics Development and Reproduction

- CO1. Write down principals of classification and general taxonomic rules.
- CO2. Comparative study of different classification system like Bnetham and Hooker, Engler and Prantl and Hutchinson.
- CO3. Write down Herbarium techniques and Botanical Gardens.
- CO4. Describe Taxonomic Position and Economic Importance of Dicot and Monocot Families.
- CO5. Describe Morphology of Floral Parts.
- CO6. Describe about Meristem and its classification.
- CO7. Describe Tissue and Tissue System.
- CO8. Describe Cambium and its function.
- CO9. Describe micosporogenesis and microgametogenesis.
- CO10. Explain Polyembryony and Apomixis.

B.Sc. II : Paper II

Cytology, Gencitics, Evolution, and Ecology

- CO.1 Describe general structure of prokaryotios and Eukaryotic cell.
- CO.2 Describe structure and functions of different cell organelles – Nucleus – Chromosome, Nuclosome, solenoid model, salivary gland, Lamphrush and b chromosomes, Nucleolus.
- CO.3 Understand Cell organelles structure, cell division with Mitosis, Meiosis and their significance.
- CO.4 Chromosomal aberrations and effects describe it.
- CO.5 Describe Laws of inheritance, Gene interaction, Linkage, Cytoplasmic inheritance.
- CO.6 Describe different theories of evolution, mutations and their importance in evolution.
- CO. 7 Describe polypoloidy and their significance.
- CO.8 Describe Ecology and its relation with other sciences.
- CO.9 Describe Hydrophytes and Xerophytes
- CO.10 What is Ecosystem, its types, components and functions of Ecosystems.

B.Sc. II : Paper III

Plant Physiology and Biochemistry

- CO1: Describe the plant- water relationship including diffusion, osmosis, plasmolysis, imbibition, water uptake, conduction and transpiration.
- CO2: Write down the role, deficiency symptoms and toxicity symptoms of macro and micronutrients.
- CO3: Describe the mechanism of ion uptake and translocation.
- CO4: Describe the photosynthetic pigments, oxygen evolution during photosynthesis, photophosphorylation, CO₂ -fixation, C₃ and C₄ cycle in photosynthesis and CAM plants.
- CO5: Describe the aerobic and anaerobic respiration including glycolysis, kreb's cycle, fermentation, electron transport, oxidative phosphorylation and photorespiration.
- CO6: Describe the general account on nitrogen metabolism, atmospheric nitrogen fixation, nitrogen cycle and nitrogen assimilation.
- CO7: Describe the general aspects of growth, growth movements, photoperiodism, vernalization, germination, parthenocarpy, abscission, senescence.
- CO8: Describe the action and application of phytohormones(Auxins, Gibberellins, Cytokinins, Ethylene and Abscissic Acid).
- CO9: Write down the classification, properties and biological role of carbohydrates, proteins, lipids and nucleic acids.
- CO10: Describe the nomenclature, characteristics and discovery of enzymes including mechanism of action and regulation of enzyme activity, concept of holoenzyme, apoenzyme, coenzyme and cofactors.

B.Sc. III Paper I

Plant Resource, utilization, Palynology and biostatistics.

- CO.1 Describe the centres of diversity and origin of crop plants.
- CO.2 Write down about domestication and introduction of crop-plants.
- CO.3 Describe concepts of sustainable development with the conservation of plant resources for agriculture and forestry.
- CO.4 Describe cultivation, Production and uses of Wheat, Rice, Legumes and Sugarcane.
- CO. 5 Write a general account of oil yielding plants, spices and beverages.
- CO. 6 Write an account of Major fibre plants, Medicinal plants and petro plants of Uttar Pradesh .
- CO.7 Describe insitu and exsitu conservation including Sancturries, National parks, Bio Sphere reserves, wetlands mangroves, Botanical gardens, Genebanks and Seedbanks.
- CO.8 Describe the Introduction of Palynology, Morphology, vaibilily and Germination of pollens.
- CO.9 Write down about central Tendency Mean, Median, Mode Standard Deviation and Standard Error.
- CO.10 Explain Co-relation and Chie-Squire test.

B.Sc. III : Paper – II

Molecular biology and Biotechnology

- CO1: Describe the evidences that, the nucleic acid is genetic material.
- CO2: Describe the structure of nucleic acids and nucleotides.
- CO3: Write down the properties of genetic code and describe the codons assignment and chain initiation of codons.
- CO4: Describe the mechanism of protein synthesis and its regulation.

- CO5: Describe the structure and properties of polysaccharides, amino acids, proteins, vitamins and hormones.
- CO6: Write down about the enzymes their active sites, specificity, mechanisms, factors.
- CO7: Describe the replication of DNA in prokaryotes and eukaryotes, gene expression and regulation, hormonal control and second messengers (Ca^{+} , cyclic AMP, IP_3 etc.).
- CO8: Write down the history, scope and future of biotechnology.
- CO9: Describe the recombinant DNA technology, methods of gene transfer, transgenic plants.
- CO10: Write down the application of biotechnology in healthcare, microbiology and environment.

B.Sc. III : Paper III

Environmental Botany and Plant Pathology

- CO1. Describe Soil property and various soil problems.
- CO2. Explain Source of Water, Physio-chemical and biological Property of Water.
- CO3. Write down Energy resource of India.
- CO4. Explain Environmental pollutions.
- CO5. Describe Green House Effect, Ozone depletion. CO_2 Enrichment and climate change.
- CO6. Explain Phytogeography, biotic community and Population.
- CO7. Describe Natural vegetation of India.
- CO8. Describe Bacterial diseases like citrus canker and potato scab.
- CO9. Describe viral and fungal diseases.

B.Sc. I Paper Ist.

Inorganic Chemistry

- CO 1 Knowledge about structure of atom – Heisenberg uncertainty Principle, Schrodinger wave equation Aufbau principles, Hund's rule,.
- CO 2 Explain – Atomic & Ionic radii, Ionization energy electron affinity, Electronegativity. Trends in Periodic table.
- CO 3 Chemical Bonding () V.B.T. & its limitations, hybridization, VSEPR Theory, Coordination number, lattice defects semiconductors.
- CO 4 S. Block elements comparative study, diagonal relationship, introduction to alkyls and aryls chemical properties of noble gases.
- CO 5 Comparative study of group 13-17 elements, compounds like hydrides, oxides, borazine, silicates, tetrasulphur tetranitride. Properties of halogens, interhalogens & Polyhalides.
- CO 6 Knowledge about tetrasulphur tetra nitride carbides, borophide and higher boranes.
- CO 7 Describe bond strength & bond energy Ionic Structure, Radius ratio effect,

B.Sc. I Paper-II

Organic Chemistry

- CO 1 Knowledge about structure and Bonding some topics Hybridization, bond length, bond angle, Bond energy, Hyperconjugation, Inductive effect, aromaticity etc.

- CO 2 Understanding types of Reaction and its mechanism of organic reactions.
- CO 3 Detailed knowledge of IUPAC nomenclature of organic compound and preparation, Properties and uses of alkanes and cycloalkanes.
- CO 4 Knowledge about stereo chemistry of organic compounds optical isomerism and geometrical isomerism, R. & S, E. and Z system Nomenclature, conformational isomerism.
- CO 5 Methods of Preparation, Properties and uses of alkenes, cycloalkenes, Dienes and alkynes some important relative reaction mechanism.
- CO 6 Knowledge about Arenes and aromaticity, benzene and benzene derivatives, relative reaction, reaction mechanism and some important compounds BHC and DTC etc.
- CO 7 Knowledge about alkyl and aryl halides, some important methods of preparations, properties and uses of alkyl and Arylhalides.

B.Sc. I Paper – III

Physical Chemistry

- CO 1 Knowledge about the Logarithmic relation, curve sketching linear graphs and calculation of slopes. Basic knowledge of computer, hardware and software, Input and output device.
- CO 2 Knowledge about of Kinetic theory of gases, deviation from ideal behaviour, Van der Waals equation of state.
- CO 3 Discussion the Maxwell distribution of Molecular Velocities, Collision number mean free path and collision frequency, liquefaction of gas.
- CO 4 Knowledge about the structure of liquid, structural difference b/w solid, liquid and gas.
- CO 5 Law of crystallography (i) Law of constancy of interfacial angles (ii) Law of rationality of Indices. Law of Symmetry, Symmetry, Element in crystals.
- CO 6 Knowledge about the definition of colloids classification of colloids. Solid in liquid : Properties of Kinetic optical, electrical, stability of colloids.
- CO 7 Knowledge about the rate of reaction, factors influencing rate of reaction concentration temperature, presence solvent light catalyst.
- CO 8 Basic knowledge the zero order Rxn, First order Reaction and second order reaction Activation Energy.

B.Sc. II Paper I

Inorganic Chemistry

- CO 1 Knowledge about the properties of d- block elements and compounds of element of 1st transition elements.
- CO 2 Explain comparative treatment of Zn / Hf with respect of ionic radii, oxidation states of 2nd & 3rd transition elements.
- CO 3 Understand Werner's co-ordination theory, Isomerism V.B.T., E.A.N. in complex compound.

- CO 4 Explain Electronic structure Oxidation states, lanthanides contraction, Isolation such as Ceric ammonium sulphate of complex compounds.
- CO 5 Explain electronic configuration, oxidation states, Separation of Np, Pu & Am from U.
- CO 6 Knowledge about extraction of elements, electrochemical series, electrode potential.
- CO 7 Discuss electrode potential, electrochemical series and its application and extraction of elements.
- CO 8 Difference between Acid and Base with lewis concept Arrhenius, Bronsted lowry theory.
- CO 9 Reaction about non aqueous liquid NH₃ and Liquid SO₂ and its properties.

B.Sc. II Paper-II **Organic Chemistry**

- CO 1 The students will understand the fundamentals of organic chemistry, reactions of functional groups, various types of reactions including mechanisms of reactions.
- CO 2 Understand the methods of preparation, chemical reactions of Alcohols.
- CO 3 Write down the reactions of Phenols- electrophilic aromatic substitution & mechanisms of Frie's rearrangement, Claisen rearrangement, Gatterman synthesis.
- CO 4 Understand the concept of Ultraviolet Spectroscopy including analysis of UV spectra.
- CO 5 Describe Infrared Spectroscopy, Hooke' law, selection rules and finger print region.
- CO 6 Know about characterstic absorption of various functional groups and interpretation of IR spectra of simple organic compounds.
- CO 7 Write down the reactions of carboxylic acids.
- CO 8 Understand the mechanism of nucleophilic substitution in nitroarenes and their reduction in acidic, neutral and alkaline media.
- CO 9 Write down the synthesis of aldehydes and ketones.
- CO 10 Describe the mechanism of nucleophilic additions to carbonyl on group Benzoin, Aldol, Perkin and Knoevenagel condensations.

B.Sc. II Paper III **Physical Chemistry**

- CO 1 Knowledge about the types of systems intensive and extensive differentials. Thermodynamic process concept of heat and work.
- CO 2 Basic Knowledge of the internal energy and Enthodphy. Heat capacity Jule Thomson Law and coefficient and inversion temperature Ideal gas under isothereol and adiabatic condijtion for reversible process.

- CO 3 Basic knowledge the equilibrium constant and free energy . Thermodynamic derivation of law of mass action and Le Chatelier's principle.
- CO 4 Knowledge about the need for the law different statements of the law of conservation of energy and its efficiency Carnot theorem Thermodynamic scale of temperature.
- CO 5 Gibbs function (G) and Helmholtz Function (A) as thermodynamic quantities A and G. Nernst heat theorem statement and concept of residual entropy.
- CO 6 Basic knowledge the condition in metal and in electrolyte solution specific conductance molar and equivalent conductance measurement of electrolytes.
- CO 8 Liquid – Liquid mixtures 0 Ideal liquid mixture, Raoult's & Henry's law, Nonideal system – azeotropes – HCl H₂O & ethanol – water system.
- CO 9 Knowledge with Partially miscible liquids – phenol water, trimethyl amine- water.
- CO 10 Knowledge about nicotine-water systems, Immiscible liquid, steam distillation.

B.Sc. III Paper-I Inorganic Chemistry

- CO 1 Knowledge about limitation of valence bond theory, crystal field theory thermodynamics stability of metal complexes.
- CO 2 Description of magnetic properties of transition metals, selection rule for d-d- transitions.
- CO 3 Information of spectrochemical series, discussion of electronic spectrum of complexes.
- CO 4 Knowledge about organometallic compounds, Metal carbonyls , 18-electron selection rule, structure & nature of carbonyls.
- CO 5 Knowledge about silicones & phosphazenes, HSAB concept , acid – base strength & hardness softness.
- CO 6 Information of Essential & Trace elements in biological processes.
- CO 7 Description of metalloporphyrin with special reference to haemoglobin & myoglobin.

B.Sc. III Paper – II Organic Chemistry

- CO 1 Learn about the principle, different terms used, interpretation and application of NMR spectroscopy
- CO 2 Knowledge about the preparation, properties, structure and uses of organometallic compounds.
- CO 3 Knowledge of heterocyclic compounds methods of synthesis, mechanism of reactions.

- CO 4 Understand the classification, reactions, configuration, structure of carbohydrates.
- CO 5 Knowledge of aminoacids, peptids, proteins and nucleic acids.
- CO 6 Knowledge of fats, oils, Polymers & dyes.
- CO 7 Perform the experiments in lab of analysis of organic mixtures, synthesis and kinetics.

B.Sc. III Paper - III

Physical Chemistry

- CO 1 Knowledge about Blackbody Radiations, Photoelectric effect, Bohr's model of H-atomy, Heisenberg's uncertainty principle degrees of freedom.
- CO 2 Describe of optical activity, dipolenoment, Magnetic properties, polarization, Magnetic susceptibility.
- CO 3 Description of Scherodinger wave equation & its importance, postulates of quantum mechanics, wave functions.
- CO 4 Describe of forming M.O. & A.O., Hybrid orbitals, valence bound model of H₂.
- CO 5 Understandning of theory selection rules . Spectral intensity, Maxwell-boltzmann. Distribution, harmonic osciltator.
- CO 6 Knowledge about bond energies, effect of anharmonic motion, vibrational frequencies of different functional groups.
- CO 7 Description of Laws of Photochemistry, Grothus, drapper bw, Jablonsks diagram, kinetics of Photo Chemical reaction.
- CO 8 Information about Ideal & Non-ideal soln, colligative properties, van't Haff factor.

M.Sc. Chemistry - Previous Paper - I

- CO 1 Idea about acid, base hydrolysis anation reaction of metal complexes.
- CO 2 Knowledge about substitution reaction and transeffect in complexes.
- CO 3 Brief account of ligand field theory in octahedral, tetrahedral and squase planer.
- CO 4 Knowledge about metal carbonyls metal nitrosyl, dinitrogen and dioxygen complexes.
- CO 5 Study of higher borane , metalloborance, carborance metallscarborans and halide clusters.
- CO 6 Study of Isopoly and heteropoly acids and salts.

M.Sc. Chemistry - Previous Paper - II

- CO 1 Understand the basic aspects of conjugation, cross conjugation, resonance, hyperconjugation, annulenes.
- CO 2 Understand the stereochemistry of compound containing Nitrogen.
- CO 3 Understand the reaction mechanism and stability of reaction intermediates.
- CO 4 Describe Nucleophilic substitution at an allylic and vinyllic carbon.
- CO 5 Write down the arenium ion mechanism.

- CO 6 Explain SE2, SE1, Electrophilic substitution.
- CO 7 Describe the chirality of molecules with more than one chiral center.

M.Sc. Chemistry – Previous Paper - III

- CO 1 Knowledge of schrodinger equataion and quantum mechanics.
- CO 2 Understand angular momentum, eigen function. Eigen value, pauliexclusion principle of classical.
- CO 3 Understand theory of classical thermodynamics & startical thermodynamics.
- CO 4 Knowledge of chemical Dynamics, theory of reaction roles Dynamic chain reactions, kinitics of enzyme reaction.
- CO 5 Understand surface tension, equation, keluin equation, Gibbs adsorption isotherms micells, CMC & factors affecting it.
- CO 6 Knowledge of electrically conducting, fir resistantliquid crystal polymors, kinetics & mechanism of polymer risation , macromolecules.
- CO 7 Electrochemistry of Solutions, Seminconductor interfaces, theory of double layer interface, Palarogrpahy theory, homogeneous theory, Corision monitoring.

M.Sc. Chemistry – Previous Paper - IV

- CO 1 Under standing concept of Atomic spectroscopy, energy of atomic orbital, spectra of Hydrogen atom and alkali atoms.
- CO 2 Knowledge about of Internal structure of crystal by different methods x–ray diffraction, Bragg’s method etc.
- CO 3 Identification of Unit cell from systematic absences in diffraction pattern.
- CO 4 Description of the procedure for an x-ray structure analysis absolute configuration of molecules, Ram chandran diagram.
- CO 5 Understanding concept of electron diffraction : Scattering intensity vs scattering angle, wierl equation measurement techniques.
- CO 6 Knowledge about law energy electron diffraction and structure of surfaces.

M.Sc. Chemistry – Previous Paper – IV Spectroscopy and diffraction methods

- CO 1 Knowledge of origin of IR spectroscopy, Energy calculations, factors affecting frequencies of absorption, interpretation of IR spectra and application of IR.
- CO 2 Theories of Raman spectroscopy, types of Raman Spectra.
- CO 3 Interpretation of Raman Spectra and its applications.
- CO 4 Understand Principle of molecular electronic spectroscopy.
- CO 5 Understand the theory of NMR spectroscopy, instrumentation and interpretation of NMR spectra.
- CO 6 NMR studies of different nuclei other than proton., use of NMR in medical diagnostics.

- CO 7 Learn about the electron spin resonance spectroscopy, measurement techniques and application.

M.Sc. Chemistry Previous Unit IV, V

Organic Chemistry

- CO 1 To understand stereo chemical aspect of addition reaction involving electrophiles, nucleophiles and free radicals.
- CO 2 Differences between Double and Triple bond of Hydrogenation and its formation.
- CO 3 Explain mechanism of metal hydrides reduction of saturated and unsaturated carbonyl compounds.
- CO 4 Explain mechanism of aldole, Free radical substitution aromatic substrate allylic Halogenation (NBS) Mannich Benzoin & Hydrolysis of ester.
- CO 5 Describe the molecular orbital symmetry, frontier orbital of ethylene 1, 3 butadiene.
- CO 6 Explain classification of Pericyclic reaction Woodward, Hoffmann – correlation diagram FMO, PMO & suprafacial addition.

M.Sc. Chemistry Final Paper I

- CO 1 Symmetry and shape of AB₂, AB₃, AB₄, AB₅, AB₆ bonding of ambidentate ligands.
- CO 2 Idea about application of Raman spectroscopy.
- CO 3 Study of NMR of paramagnetic substance in solution.
- CO 4 Idea about biological role of metals and haemoglobin, haemocyanins.
- CO 5 Study of glucose storage, chlorophylls and cleaning of water.
- CO 6 Short notes of Nitrogen fixation, plant fertilizers, pesticides and waste treatment.
- CO 7 Idea about purification and treatment of water, Aquatic – pollution, chemical composition of water bodies.

M.Sc. Chemistry Final Paper II

Organic Chemistry

- CO 1 Knowledge of ORD and CD Techniques, use of ORD and CD for deduction of absolute configuration of organic compounds.
- CO 2 Knowledge of Mass spectrum, Principle, instrumentation and different terms used for interpretation of mass spectra.
- CO 3 Description of HRMS and fragmentation patterns, structure determination.
- CO 4 Introduction of NMR, instrumentation measurement of NMR peaks, Interpretation of NMR spectra.
- CO 5 Knowledge of C-13 NMR technique and its application for structural diagnosis of organic compounds.
- CO 6 Understand the theory of Photochemical reactions, various types of photochemical reactions.

- CO 7 Perform experiments of mixture analysis, synthesis of organic compounds Physical methods of analysis chromatographic methods.

M.Sc. Chemistry Final Paper III

Physical General

- CO 1 Explain solid state reactions, principles, crystal defects, perfect & imperfect crystals, Schottky & Frenkel defect formation enzymes, DNA & RNA in living system.
- CO 2 Describe electronic properties & band theory metals insulators, band structure of metals super conductors.
- CO 3 Describe thermodynamics of biopolymer solutions osmotic pressure membrane equilibrium, (biopolymers) & their Molecular Weight. Diffraction Methods Light Scattering.
- CO 4 Bioenergetics of biochemical reactions. Hydrolysis of ATP, synthesis of ATP from ADP, Chain configuration of macromolecules, polypeptides and Protein structure, Nerve conduction.
- CO 5 Explain Electrically conducting solids, organic metals, hydrophobic forces, Forces involved in biopolymer interactions, Hydrogen ion titration curves.

M.Sc. Chemistry Final Paper IV

Organic Chemistry (Special)

- CO 1 Explain classification, nomenclature, Isolations, B-Carotene, Biosynthesis of terpens.
- CO 2 Explain Definition of Alkaloids, nomenclature and physiological action, classification based on Nitrogen.
- CO 3 Define Hetrocyclic ring structure of Nicotine Atropine, Quinine and Morphine. Biosynthesis of Alkaloid.
- CO 4 Explain occurrence of steroids, nomenclature diels hydrocarbon structure.
- CO 5 Describe the structure of Cholesterol, Androsterone, Testosterone Progesterone, Biosynthesis of steroid.

M.Sc. Chemistry Final IV - Paper

Organic Chemistry Special

- CO 1 Understand different types of plant pigments such as Quercetin, Hirsutidine, Cyanidin and aureusin including their occurrence, nomenclature, isolation and structure determination.
- CO 2 Understand the concept of Biosynthesis of flavonoid.
- CO 3 Students will understand the structure and biological concepts of Chlorophyll & Haemoglobin.
- CO 4 Know and understand the scope, classification & history of Antibiotics.
- CO 5 Describe the structure and synthesis of Penicillin G, Penicillin V, Ampicilline, Amoxycilline.
- CO 6 Know the medicinal uses of an Chloramphenicol, Streptomycin.

CO 7 Know and understand the adverse effects of Antibiotics such as Streptomycin, Tetracyclin.

B.Sc. I (Paper-Ist.)

Mechanics and Wave Motion

- CO 1 Describe Newton's Law of Motion and Type of Motion (Translatory and Rotatory).
- CO 2 Explain Co-ordinate System and Frame of References. Conservation Laws (Translatory and Rotatory) with Examples.
- CO 3 Describe Concept of Rigid Body and Moment of Inertia about different axis of Different Regular Shaped objects.
- CO 4 Explain Elasticity of Different Rigid Body and Type of Elastic Constant and Relation b/w them. Twisting couple and Bending Moment of Rigid Body.
- CO 5 Describe Motion of Rigid Bodies Under Central Forces. Explain working Process of Artificial Satellite.
- CO 6 Describe Simple Harmonic Motion and Displacement Equation of simple Harmonic Oscillator and Total energy.
- CO 7 Explain Damped and Forced Harmonic Oscillator with application.
- CO 8 Describe Wave Motion (1 Dimensional) and Energy of Wave.

B. Sc. I Physics paper-II

Kinetic Theory & Thermodynamics

- CO 1 Explain various laws of thermodynamics, viz., the Zeroth law, First Law, second law and Third law and their applications. Discuss principle of increase in entropy of universe.
- CO 2 Describe thermodynamic potentials (Internal energy U , Helmholtz Function F , Enthalpy H , and Gibb's potential G) for a thermodynamic system and their importance.
- CO 3 Describe the spectral distribution of black body radiation.
- CO 4 Explain the spectra of black body on the basis of classical and quantum radiation laws, viz., Rayleigh-Jean's law and Plank's law.

B.Sc. I Physics paper-III

Circuit Fundamentals and Basic Electronics

- CO 1 Discuss the growth and decay of current in the circuit containing various combinations of Inductance (L), Capacitor (C) and Resistance (R) i.e., LR, CR and LCR.
- CO 2 Discuss in details various network theorems i.e., Thevenin, Norton and Superposition.
- CO 3 Discuss intrinsic and extrinsic semi-conductors and V-I characteristic of PN junction diode. Applications of PN junction diode as a rectifier.
- CO 4 Explain bipolar junction transistor (BJT) viz., N-P-N and P-N-P transistors and their working. Prove that transistor serves as an amplifier.
- CO 5 Discuss Various methods of transistor biasing i.e., base bias, emitter bias and voltage divider bias and Explain advantages voltage divider bias.
- CO 6 Explain frequency response curve of R-C coupled amplifier.
- CO 7 Discuss the basic principle of oscillatory and explain working of Hartley oscillator.
- CO 8 Describe basic principle of modulation and its need for transmission purpose.

B.Sc. II Physics Paper-I

Physical Optics and Laser

- CO 1 Describe the phenomenon associated with interference of light, various technique and its applications.

- CO 2 Describe Instruments based on the principal of interference and their applications.
- CO 3 Describe the phenomenon of diffraction and its types, half period zone and zone plate, the principles and working of different types of gratings.
- CO 4 Explain Rayleigh criterion and limit of resolution, resolving power of different optical instruments.
- CO 5 Describe the phenomenon of polarization, types of polarized light and their production and detection.
- CO 6 Explain optically active substance, specific rotation and describe instruments used to measure specific rotation i.e. polarimeters.
- CO 7 Describe LASER, spontaneous and stimulated emission, concept of population inversion.
- CO 8 Describe various types of laser i.e. solid state, gas, liquid and semiconductor diode laser, applications of laser in various fields.

B.Sc. II Physics Paper II

Electromagnetism

- CO 1 To impart knowledge on the concepts of electrostatics, electric potential, energy density and their applications.
- CO 2 Use Gauss', Ampere's and Faraday's Laws in the context of electrical devices design capacitors
- CO 3 To impart knowledge on the concepts of magneto statics, magnetic flux density, scalar and vector potential and its applications.
- CO 4 To impart knowledge on the concepts of Faraday's law, induced emf and Maxwell's equations.
- CO 5 To impart knowledge on the concepts of Concepts of electromagnetic waves and
- CO 6 Knowledge of, physical interpretation, and ability to apply Maxwell's equations to determine field waves, potential waves, and charge conservation conditions.

B.Sc. – II Physics Paper -3

ELEMENTS OF QUANTUM MECHANICS, ATOMIC AND MOLEULAR SPECTRA

- CO 1 To become familiar with Blackbody radiation, Ultraviolet catastrophe, Photoelectric effect and Compton Effect and hence be aware how quantum theory emerged
- CO 2 Have gained a clear knowledge about wave properties of particles, De Broglie waves and its implications on the uncertainty principle.
- CO 3 Study the Bohr Atom model in detail and understand about atomic excitations
- CO 4 Have grasped the idea of Wave Mechanics and gain the concept of Eigen values, Eigen functions and learn the basic postulates of quantum mechanics
- CO 5 To find solution to Schrödinger's equation for many systems such as particle in a box, Hydrogen Atom and familiarize with different quantum numbers.
- CO 6 Describe the atomic spectra of one and two valance electron atoms.
- CO 7 Explain the change in behaviour of atoms in external applied electric and magnetic field.
- CO 8 Explain rotational, vibration, electronic and Raman spectra of molecules.
- CO 9 Describe electron spin and nuclear magnetic resonance spectroscopy and their applications..

B.Sc. III Physics Paper I

Relativity and Statistical Physics

- CO 1 Describe refrence systems, inertial frames, and also classify the Galilean invariance and conversion lows.

- CO 2 Postulates for the special theory of relativity , Lorenz transformation and mass – energy equivalence.
- CO 3 Describe the statistical basis of thermodynamics, like probability and thermodynamic probability, principle of equal a priori probabilities.
- CO 4 Classify the expressions for average properties constraints, accessible and inaccessible states.
- CO 5 Write down some universal laws. Like the kT -space representation, division of kT -space into energy levels and into phase cells of arbitrary size.
- CO 6 Describe the statistical interpretation of second law of thermodynamics. Boltzmann canonical distribution law.
- CO 7 Identify the distribution of speeds and of velocities and also experimental verification and define distinction between mean r.m.s. and most probable speed values.
- CO 8 Explain transition of quantum statistics in which 'h' as a natural constant and its implications.

B.Sc. III Physics Paper -2

Solid state and Nuclear Physics

- CO 1 Clear and logical understanding of the basic concepts and principles of solid state physics, critical for graduate students working in the areas of physics, semiconductors and electronic devices.
- CO 2 Demonstrate and apply knowledge of the crystalline lattice, crystal bonding, solve problems concerning the definition of the Bravais lattice, describe the behaviour of electrons in solid using classical and quantum mechanics, understand the energy bands of solids and their application to modern electrical devices.
- CO 3 Gain a clear picture of nuclear composition and various nuclear models.
- CO 4 Have a deep knowledge about Radio activity, nuclear Fission and Nuclear Fusion, the relevance of nuclear transformation.
- CO 5 Understand the working of nuclear detectors and counters.
- CO 6 Become familiar with nuclear particles and different particle accelerators. Student is expected to know the working of different accelerators.

B. Sc. III Physics paper-III

Solid State Electronics

- CO 1 Classify the solid on the basis of energy band theory and discuss various properties of semiconductors.
- CO 2 Applications of solid state electronic devices viz., Zener diode, tunnel diode, light emitting diode (LED).
- CO 3 Describe bipolar junction transistor (BJT) viz., N-P-N and P-N-P transistors and their characteristics . Discuss application of bipolar junction transistor (BJT) as an amplifier.
- CO 4 Discuss Various methods of transistor biasing and their comparisons in terms of advantages and Disadvantages. Classify power amplifiers as class A, class B and Class AB.
- CO 6 Explain the construction and working of Field Effect Transistors (EFT) and Metal Oxide Semi-conductors Field Effect Transistors (MOSFET).
- CO 7 Discuss in details the regulated power supplies and their various applications.
- CO 8 Explain structure and working of Silicon Controlled Rectifier (SCR).

M.Sc. Previous Physics : Paper I

Mathematical Physics & Computational Methods

- CO 1 Describe vector space and matrices, and also classification of linear transformation and orthogonal and unitary matrices.
- CO 2 Classify the Eigen values & eigenvector's and also classify the diagonalizations of a matrix .
- CO 3 Describe the differential equation and special function, and also deduces the second order differential equation .
- CO 4 Describe the solution of Legendre's differential equation, Bessel's differential equation. And give its physical applications.
- CO 5 Describe the Integral Transformations, Laplace transform, first and second shifting theorem.
- CO 6 Identify Inverse Laplace transform and Fourier series and also explain half wave expansion and full wave expansion.
- CO 7 Classify the method of determination of zeros of linear and non linear algebraic equations and transcendental equations.
- CO 8 Describe – Eigen values and eigen vectors of matrices Power and Jacobi method and finite differences and also equally spaced and unequally spaced points.

M.Sc. Previous Physics : Paper - II

CLASSICAL MECHANICS

- CO 1 Have a deep understanding of Newton's laws
- CO 2 Be able to solve the Newton equations for simple configurations using various methods. Demonstrate an intermediate knowledge of central-force motion.
- CO 3 To represent the equations of motion for complicated mechanical systems using the Lagrangian and Hamiltonian formulation of classical mechanics.
- CO 4 Understand the physical principle behind the derivation of Lagrange and Hamilton's equations, and the advantages of these formulations.
- CO 5 Understand the intricacies of moving-reference frames and rigid-body motion.
- CO 6 Understand the **Reduction** of two-body problem, Orbits of motion, Kepler problem: Kepler laws.
- CO 7 Understand the Hamiltonian mechanics: Legendre transformation, Hamilton's equations of motion. Example: particle in electromagnetic field, Poisson bracket, Canonical transformation.
- CO 8 Give an account of the theory of statistical mechanics and the approximations making a statistical description possible
- CO 9 Use the statistical physics methods, such as Boltzmann distribution, Gibbs distribution, Fermi-Dirac and Bose-Einstein distributions to solve problems in some physical systems.
- CO 10 Apply the concepts and principles of black-body radiation to analyze radiation phenomena in thermodynamic systems.

M. Sc. Previous Physics paper-III

Atomic and Molecular Physics

- CO 1 Description of quantum mechanical theories/models (Bohr's Model, Sommerfeld Model and Vector Atomic Model) to express the state of an atom in terms of various quantum numbers.
- CO 2 Describe the different methods to obtain the total angular momentum (J) of an atom viz., L-S coupling and J-J coupling. Explanation of salient features of spectra of alkali and alkaline elements.

- CO 3 Describe the effect of magnetic and electric fields on the spectrum of an atom viz., Zeeman Effect, Paschen-back Effect and Stark Effect.
- CO 4 Description of hyperfine structure in Zeeman Effect.
- CO 5 Explanation of molecular spectra on the basis of molecular theories.
- CO 6 Description of pure vibrational-rotational spectra and explanation of the molecule as a harmonic oscillator.
- CO 7 Description of classical and quantum mechanical explanation of Raman spectra and explanation of Stokes and Anti-stokes lines.
- CO 8 Details explanation of vibration rotational Raman spectra.
- CO 9 Explanation of origin of x-ray spectra (continuous in nature with some characteristic lines) and its salient features.
- CO 10 Describe the characteristic of emission and absorption x-rays spectra. Explanation of fine structure (Doublet-structure) in X-ray emission spectra.

M.Sc. Previous Physics Paper-IV **“Electrodynamics and Plasma Physics”**

- CO 1 Describe Review of Four Vector & Lorentz Transformations in four Dimensional Space and Electromagnetic Field Tensor.
- CO 2 Describe Maxwell’s Equations, Wave Equation for Vector and Scalar Potential, Lienard-Wiechert Potential, Electromagnetic field due to uniformly moving and accelerated charge.
- CO 3 Describe Angular distribution of Power Radiated, Bremsstrahlung Radiation, Synchrotron Radiation, Cerenkov radiation and Reaction Force of Radiation.
- CO 4 Describe Motion of Charged Particle in Electromagnetic Field, Adiabatic Invariants.
- CO 5 Describe Potential in terms of Charge distribution, Dipole Interaction, Displacement Vector and Boundary Conditions.
- CO 6 Describe Electric Field in Material Medium, Clausius-Mossotti Relation, Langevin Theory of Dielectric Polarization, Piezo, Pyro and Ferro Electricity.
- CO 7 Describe Solution of Laplace Equation in Spherical Coordinates, Potentials of Point Charges, A Dielectric Sphere in uniform Field, Charged Ring.
- CO 8 Describe Derivation of Moment Equations from Boltzmann Equation, Plasma Oscillations, Debye Shielding and Plasma Parameters.
- CO 9 Describe Magneto plasma, Plasma Confinement, Hydrodynamic description of Plasma, Hydrodynamic Waves: Magnetosonic and Alfvén Waves.
- CO 10 Describe Wave Phenomenon in Magneto plasma, Appleton-Hartree formula and Propagation through Ionosphere and Magnetosphere Helicon, Whistler Faraday rotation.

M.Sc. Final Physics Paper - Ist.

QUANTUM MECHANICS

- CO 1 Understanding of similarities between classical and quantum mechanics. Understanding of quantized quantities in nature. Ability to formulate and to solve related single electron problems.
- CO 2 Interpret the wave function and apply operators to it to obtain information about a particle's physical properties such as position, momentum and energy.
- CO 3 Solve the Schrodinger equation to obtain wave functions for some basic, physically important types of potential in one dimension, and understand the role of uncertainty in quantum physics, and use the commutation relations of operators to determine whether or not two physical properties can be simultaneously measured.
- CO 4 Describe the structure of the hydrogen atom and show an understanding of quantization of angular momentum and Apply the technique of separation of

- variables to solve problems in more than one dimension and to understand the role of degeneracy in the occurrence of electron shell structure in atoms.
- CO 5 Understand time dependent perturbation theory in quantum mechanics and how to apply perturbation theory to describe scattering; understand the form and construction of relativistic wave equations
 - CO 6 Relate the matrix formalism to the use of basis states, and solve simple problems in that formalism.
 - CO 7 Appreciate the need for quantum field theory.
 - CO 8 Develop problem solving methods that will include mathematical as well as numerical computations and solutions.

M.Sc. Final Physics Paper-II

Nuclear and Particle Physics

- CO 1 Describe nuclear force and meson theory, nucleon- nucleon Scattering.
- CO 2 Explain compound nucleus and direct reaction mechanism. Describe in detail compound nucleus formation and one level Breit -Wigner formula.
- CO 3 Describe liquid drop model and explain Bohr Wheeler theory of fission.
- CO 4 Discuss experimental evidence for the existence of shell effect in nuclei and describe the shell model and its applications along with its limitations.
- CO 5 Discuss β -ray spectra and fermi theory of β -decay, distinguish between allowed and forbidden transitions.
- CO 6 Brief account of nuclear radiative processes based on multipole radiations. Explain the phenomenon of internal conversion and nuclear isomerism.
- CO 7 Discuss the principal and operation of particle detectors like Ionization chamber, G. M. counter, Scintillation detector, Solid state detectors, Wilson cloud chamber, Diffusion cloud chamber and bubble chamber.
- CO 8 Explain the principal and working of particle accelerators like Proton and electron Synchrotron and Betatron.
- CO 9 Discuss various types of interaction between elementary particle. How they are classified. Explanation of symmetry and Conservation laws for elementary particles.
- CO 10 Explain SU (2) and SU (3) classification of hadrons and Quark Model.

M.Sc. (Final) Physics Paper-III

“ Integrated Circuits and Digital Electronics”

- CO 1 Describe Operational Amplifier and Applications.
- CO 2 Describe Analog Multimeter, Divider Circuit, RMS Circuit Function Fitting and Time Function Generation.
- CO 3 Describe Active Filters, Multivibrator, Comparator, Schmitt Trigger, Sample and Hold Circuit.
- CO 4 Describe Triangular Wave Generator, Voltage Controlled Oscillator, Phase Locked Loop, Converter Circuits, 555 Timer and Noise in ICs.
- CO 5 Describe Number Systems, Codes, Basic Circuit Logic Gate, DTL, RTL, TTL and ECL Logic Circuits.
- CO 6 Describe Analysis and System of Combination Logic Circuit and Karnaugh Map.
- CO 7 Describe Arithmetic Logic Circuits and Data Processing Circuits.
- CO 8 Describe Flip-Flops, Shift Registers, Counters, Semiconductor Memories and their Addressing Techniques.

M.Sc. Final Physics Paper IV

Electronics Communication System (Special Electronics)

- CO 1 Describe the need of Analog and Digital communication with various type of Modulation Process (like AM, FM, PM)

- CO 2 Explain the Modulation and Demodulation Processes with various Techniques (like Narrow Band, wide band, PLL PCM, ASK, FSK, PSK, DPSK)
- CO 3 Describe the Microwaves and Generation of Micro waves by Reflex Klystron and Semiconductor Gun decide.
- CO 4 Explain Microwave antenna, Microwave detector, wave Guide and Magic Tee.
- CO 5 Describe the Satellite and type of satellite (Synchronous Satellite) . Use of Satellite for Communication.
- CO 6 Describe the Radar System and Type of Radar (Pulsed Radar, Modern Radar). Use of Radar for Communication system.
- CO 7 Describe the TV System and working of colour Television.
- CO 8 Explain Antenna System Short electric doublets radiation from one pole and dipole arials. Type of antenna (Yogi antenna, Parasite antenna) and Antenna Parameters.
- CO 9 Explain what is Fibre optic communication? And Describe Wave Propagation in an isotropic media, Transmission and fibre lasses in fibre.
- CO 10 Describe, Dispersion, Optical wave Guide Optical fibre source and detector, Coupler and Modern telephone optic must.

B.A./B.Sc. 1st Year Paper-I (Mathematics)

(Algebra & Trigonometry)

- CO 1 Basic concept of mappings and their different types
- CO 2 Gain the knowledge of permutation
- CO 3 To study groups, subgroups and normal subgroups, homomorphisms and isomorphism
- CO 4 Demonstrate the knowledge of fundamental concepts of rings and ideals.
- CO 5 Knowledge of sequence and series
- CO 6 Study of circular functions and inverse circular function.

Paper-II

(Geometry)

- CO 1 Describe general rules and classification of continuous function and differentiability
- CO 2 Describe Rolle's Theorem, Taylor's Theorem
- CO 3 Knowledge of Partial differentiation with Euler's Theorem and Jacobians
- CO 4 Knowledge of Maxima Minima, tangent and Normal
- CO 5 Describe Quadrature (area of curve), rectification, volume and surface of solid of revolution
- CO 6 Knowledge of Drichlets's and Liouville's Integral formula

Paper-III

(Geometry and Vector Calculus)

- CO 1 Identify and define points, lines, line segments, rays, and planes.
- CO 2 Identify and define the circle, sphere, parabola and hyperbola.
- CO 3 Knowledge of centre, foci and asymptotes.
- CO 4 Tracing of different types of conics .
- CO 5 Basic knowledge of scalars and vectors.
- CO 6 Curl, grad divergence and their applications.

B.A./B.Sc. IInd Year Paper-I

(Linear Algebra & Matrices)

- CO 1 Gain the Knowledge of vector space and their elementary properties
- CO 2 Knowledge of Linear transformation, range and null space.
- CO 3 To study Linear functional, Dual space, Bi-Dual space
- CO 4 Demonstrate the Bilinear Quadratic forms, Inner Product Space.
- CO 5 Knowledge of Matrices and their types

CO 6 Application of Matrices to solve a system of linear equations.

Paper-II

(Differential Equations and Integral Transforms)

CO 1 Formation of Differential equations and their degree, order.

CO 2 Describe differential equation of first order but not first degree.

CO 3 Series solution of second order differential equation, Legendre and Bessel's Function

CO 4 Explain partial differential equation of second order and Monge's method

CO 5 Explain Integral transform, Laplace transform and their applications

CO 6 Application of Fourier Transform(finite and Infinite) and their boundary value problems

Paper-III

(Mechanics)

CO 1 Study of velocity and acceleration among radial transverse directions

CO 2 Simple harmonic motion

CO 3 To gain the knowledge of the motion under different laws of forces

CO 4 Study of Kepler's laws

CO 5 Study of Common catenary, Centre of gravity and virtual work

CO 6 Application of Fourier Transform(finite and Infinite) and their boundary value problems

B.A./B.Sc. IIIrd Year Paper-I

(Real Analyses)

CO 1 Study of real numbers and their characteristics together with different types of sets.

CO 2 Study of sequence and their features and convergence

CO 3 Study of functions and their behavior regarding; limits, continuity, differentiability and inerrability.

CO 4 Study of Metric space, related concept and theorems.

Paper-II

(Complex Analyses)

CO 1 Study of complex numbers and their variables.

CO 2 Study of analytic functions

CO 3 Study of Contour integration and its related theorems

CO 4 Study of Lioville's Theorem

Paper-III

(Numerical Analyses and Programming in C)

CO 1 Describe shift operator, Forward and Backwad formula

CO 2 Drive Fundamental Theorem of difference Calculus, Interpolation Newton-Gragory's Forward and Backward Interpolation Formula.

CO 3 Describe divided difference, Newton's and Lagrange's Interpolation Formula

CO 4 Explain Numerical Integration-Trapezoidal and Simpson's Rule

CO 5 Solve the Transdental and polynomial equation by iteration, Bisection, Regula Falsiand Newton Raphson's Mathod

CO 6 Describe Programmer's Model of computer, data type, arithmetic and input/output instruction, Decision control sequence

Paper-IV

(b) (Linear Programming)

CO 1 Knowledge of convex set and hyperplanes

CO 2 Learn how to solve the linear programming problems by the graphical solution and simplex method.

CO 3 Solution of Linear programming problems by artificial variable technique

- CO 4 Knowledge of the use and interpretation of slack and surplus variables.
- CO 5 Knowledge of transportation and assignment problems.
- CO 6 To optimize the cost in different fields

M.A. / M.Sc. Paper-I

Real Analysis and Functions of Complex variables

- CO 1 Define continuity and differentiability for complex functions
- CO 2 Evaluate integrals along a path directly from the definition and also via the fundamental theorem of contour integration and Cauchy's theorem
- CO 3 Compute the Taylor and Laurent's expansion of simple functions, determine the nature of the singularities and calculating residues
- CO 4 Proof of Cauchy's Residue Theorem, Rolle's Theorem and Mean Value Theorem and their applications
- CO 5 Define metric space, open and closed sets of the metric spaces
- CO 6 Recognize the difference between pointwise convergence and uniform convergence of a sequence of functions

Paper-II

(Algebra)

- CO 1 Define group homomorphisms and isomorphisms. To develop the relation between automorphisms and Inner automorphisms.
- CO 2 Concept of rings and their types
- CO 3 Gain the knowledge of vector space and subspaces.
- CO 4 Describe conjugate classes, centre, normalizer.
- CO 5 Study of Remainder Theorem, Unique Factorization Theorem

Paper III

(Fluid Dynamics)

- CO 1 Fluid dynamics is a subdiscipline of fluid mechanics that describes the flow of fluids-liquid and gases.
- CO 2 A fluid's motion consists of translation, rotation and continuous deformation.
- CO 3 Vorticity is curl of velocity field and as hence a measure of local rotation of the fluid.
- CO 4 Evaluate the resultant forces and resultant moment acting on the fluid within the curves by Blasius theorem.
- CO 5 Vortices is a region in a fluid in which the flow revolves around an axis line, which may be straight or curved.
- CO 6 Waves are waves which propagate through material medium (Solid, Liquid or gas) at a wave speed which depends on the elastic and inertial properties of that medium.

Paper-IV

(Computer Mathematics)

- CO 1 Understanding of computer fundamentals, memory, input / output devices.
- CO 2 Understanding different number systems their inter conversion and inter-relationship.
- CO 3 Basics of Fortran 77 and elementary programs.
- CO 4 Writing computer programmes for the matrix inversions and solution of algebraic equations.
- CO 5 Computer program for the solution of ordinary differential equations, using Runge-Kutta method.

M.A. / M.Sc.(Final) Paper-I

(Functional Analysis and Topology)

- CO 1 To critically interpret numerical and graphical data.
- CO 2 To develop the relation between topological spaces and metric spaces and extend the classification of topological spaces.

- CO 3 To classify the relation between compact spaces and product spaces again write down separation axioms T_1 , T_2 , T_3 , T_4 spaces and Hausdroff spaces, connected spaces.
- CO 4 Describe branch spaces, continuous linear transformation, Hahn-Banach theorem, The Natural embedding of N in N^* .
- CO 5 Describe the open mapping theorem. Conjugate operator, closed graph theorem, Hilbert spaces and it's properties.

Paper-II

(Operations Research)

- CO 1 It is used in industrial engineering, Networks
- CO 2 It is used in Transportation problems, Game theory, etc.
- CO 3 To study replacement theory, inventory management, decision making processes, integer programming and queuing theory.
- CO 4 To inculcate knowledge on maximize the profit and minimize the cost in every place.
- CO 5 Study the Non Linear Programming and their problems

Paper-III

(Space Dynamics)

- CO 1 Understanding basics of space dynamics; moment & product of inertia, principal axes torrential ellipse and momenta ellipsoid .
- CO 2 Understanding momentum, energy and principle of their conservation.
- CO 3 Equations of motion under finite and impulsive forces.
- CO 4 Study the motion of a body in three dimensions.
- CO 5 Equations of motion general study; Lagrange's equations of motion, Hamilton equations of motion, Euler equations of motion & the motion of the top.

Paper-IV

(Computational Numerical Method)

- CO 1 Solve algebraic, transcendental equations, differential equation and linear system of equations by using appropriate numerical methods
- CO 2 Perform an error analysis for a given numerical method and obtain results for numerical root finding methods
- CO 3 Define the inverse of a complex matrix and explain a method to obtain inverse of a complex matrix
- CO 4 Determine the largest and smallest eigen value of the matrix by suitable method
- CO 5 Define difference equation and its order, degree and types
- CO 6 State and prove uniqueness and existence theorem for the solution of a difference equation.

B.Sc. I Computer Science Paper – I

Computer Fundamental

- CO 1 Describe Register transfer and various micro operations.
- CO 2 Understand the design of a basic computer.
- CO 3 Describe address sequencing and microprogramming concepts.
- CO 4 Explain the organization and architecture of CPU
- CO 5 Compute computer arithmetic operations and show the procedures for implementing them with digital hardware.
- CO 6 Differentiate different kinds of memories and to know their performance.
- CO 7 Discuss various concepts in input and output organization.
- CO 8 Discuss Microprocessor 8085.
- CO 9 Discuss Microprocessor 8086.
- CO 10 Block Diagram of Computer

B.Sc. I Computer Science Paper – II

Programming in C

- CO 1 Understand the fundamentals of C programming.
- CO 2 Working with various operators.
- CO 3 Choose the loops and decision making statements to solve the problem.
- CO 4 Problem Solving using nested loop.
- CO 5 Implement different Operations on arrays.
- CO 6 Use functions to solve the given problem.
- CO 7 Understand different between call by value and call by reference.
- CO 8 Understand pointers, structures and unions.
- CO 9 Implement file Operations in C programming for a given application.
- CO 10 Prepare the assignment file to enhance the knowledge of student.

B.Sc. I Computer Science Paper – III

PC- Software

- CO 1 Describe the MS-Office and explain software (MS-Word, Powerpoint, Excel, Access).
- CO 2 Create the document and save the file in MS-world.
- CO 3 Explain the Menus, toolbars, Find and replace, Word Art, Picture.
- CO 4 Create header and Footer in document .write the steps.
- CO 5 Describe the mail meagre and how to create.
- CO 6 How to create a Presentation on a particular topic in MS-PowerPoint.
- CO 7 Use Animation & Sound, Drawing tool in presentation.
- CO 8 An overview of worksheet, workbook in MS-Excel.
- CO 9 How to Producing Chart from the Data.
- CO 10 Describe different functions in Excel.
- CO11 Explain Pivot table and how to create it.
- CO12 Describe Macros, scenario.
- CO13 Understanding Databases and create the Table in MS-Access
- CO14 Use Quires for review Data from a Table.
- CO15 How to create Report from data.
- CO16 Prepare Project on particular topic to enhance the knowledge of students.

B.Sc. II Computer Science Paper – I

Operating System

- CO 1 Define the Operating system and Explain function of OS.
- CO 2 Describe Time-Sharing Systems, Simple Batch Systems, Real-time system
- CO 3 Understand the Process Management.
- CO 4 Explain Process Control Block.
- CO 5 Basic concept of storage management and define Physical & Logical Address Space.
- CO 6 Describe Contiguous Allocation, Paging Segmentation.
- CO 7 Explain File Concept & directory Structure
- CO 8 What is CPU Scheduling And Real-time Scheduling
- CO 9 Definition Deadlocking and method for Handling Deadlocks
- CO 10 How to Recovery from Deadlock.
- CO11 Prepare the assignment file to the students

B.Sc. II Computer Science Paper – II

C++ and object oriented programming

- CO 1 Understand and Apply Object oriented features and C++ concepts.
- CO 2 Apply the concept of polymorphism and inheritance.
- CO 3 Implement exception handling and templates.
- CO 4 Develop applications using Console I/O and File I/O.

- CO 5 Understanding Friend Functions.
- CO 6 Understanding Function Overloading.
- CO 7 Understanding Inheritance & its Types.
- CO 8 Understanding Operator Overloading
- CO 9 Understanding Inline Function .
- CO 10 Understanding File Operations in C++.

B.Sc. I Computer Science Paper – III

Data Structure using C

- CO 1 Explain fundamental concepts of Data structures, space complexity and time complexity.
- CO 2 Design linear data structures stacks, queues and linked lists.
- CO 3 Describe infix, prefix and postfix notation.
- CO 4 Design non-linear data structures trees and Graphs
- CO 5 Implement operations on trees and graphs.
- CO 6 Perform procedures of Binary Tree.
- CO 7 Apply appropriate data structure for a given application.
- CO 8 Implement different searching and sorting techniques.
- CO 9 Compare different searching and sorting techniques.
- CO 10 Prepare the assignment file to enhance the knowledge of student.

B.Sc. III Computer Science Paper – I

Visual Basic and Introduction to Web-Designing

- CO 1 Describe the basic feature of visual basic and discuss the visual basic debugger & Error Trapping.
- CO 2 Describe the visual development and event driven programming, OOPS, and Object and Classes .
- CO 3 Explain the data types and variable and using select case statement.
- CO 4 Discuss between MDI and SDI applications and explain regarding Random Access Files, Sequential Access Files & Input-Output File .
- CO 5 Describe the Menu based Applications, Procedures and functions Manipulating Menus at runtime, calling procedures in other modules.
- CO 6 Explain List box and Combo box in VB and how you add & remove items in it.
- CO 7 Describe the HTML tags and VB Script formatting tags, Super Script & Sub Script , Cell Inhering column heading table Caption .
- CO 8 Describe various types of function constant declaration and control statement .

B.Sc. III Computer Science Paper – II

Computer Architecture & Data Communication

- CO 1 Introduction to Microprocessor
- CO 2 Difference between CISC and RISC.
- CO 3 INTEL 8085 and 8086 Microprocessor
- CO 4 Interrupt and Its Types
- CO 5 Difference between Synchronous and Asynchronous Data Transfer
- CO 6 Topology and its Types
- CO 7 Define Networking Cables.
- CO 8 Types Of topologies.
- CO 9 Types Of Networks.
- CO 10 Memory Techniques.

B.Sc. III Computer Science Paper – III

Introduction To DBMS SQL & Software Engineering Concept

- CO 1 Introduction of Data, Database, Data Base Management System.

- CO 2 Fundamental of Database.
- CO 3 Explain Data Processing Vs Data Management.
- CO 4 Define Data Independence, DBMS Users.
- CO 5 Describe the types of Database Language and Data Models.
- CO 6 ANSI/SPRC 3-level Architecture with diagram.
- CO 7 Overview of three Traditional Models and Comparison of three Models.
- CO 8 Define the 12 Rules for an RDBMS (CODD'S 12 Rules).
- CO 9 Explain Concept Keys.
- CO 10 Explain SQL and Different Commands.
- CO 11 Describe the Software engineering and processes model.
- CO 12 Explain Software Testing and how many types of software testing
- CO 13 How to find the cost estimation for software
- CO 14 Explain Software Requirement (Functional-Non Functional requirements).
- CO 15 Define PERT Chart ER Diagram.

B.Sc. Ist. Paper I (STATISTICS)

Probability

- CO 01: Describe Probability and their various definitions
- CO 02: Describe Joint distribution of two random variables along with their marginal probabilities.
- CO 03: Describe Moments, moment generating function (m.g.f.) & their properties.
- CO 04: Write down the Chebyshev's inequality with numerical.
- CO 05: Describe random variables and distribution of random variables.
- CO 06: Describe Expectation of a random variable (rv) and its properties.

B.Sc. Ist. Paper II

Probability Distributions and Numerical Analysis

- CO 01: Describe Basics of Numerical Analysis.
- CO 02: Describe Central difference formulae and Various Interpolation formulas.
- CO 03: Describe Calculus of finite differences, operators.
- CO 04: Describe Numerical Integration and Numerical differentiation.
- CO 05: Write down the Characteristics of Discrete and Continuous Probability Distributions.
- CO 06: Describe Distributions of function of random variables.

B.Sc. Ist. Paper III

Statistical Methods

- CO 01: Describe Concept of statistical population, Attributes and variables.
- CO 02: Describe Frequency distributions and their graphical representations.
- CO 03: Describe Measure of central tendency such as Mathematical and Positional Averages.
- CO 04: Describe Measure of dispersions such as Variance.
- CO 05: Describe Bivariate data and Curve fitting.
- CO 06: Discuss and define correlation, types of relationships.
- CO 07: Describe Regression analysis through both types of regression equations.
- CO 08: Describe Multiple and partial correlations and Multiple Regression for three variables only.

B.Sc. II Paper I

Statistical Inference

- CO 01: Describe The concept of sampling distribution, parameters, statistics and standard error.

- CO 02: Discuss and define Simple properties of these distributions and their interrelationship.
- CO 03: Describe Point estimation.
- CO 04: Write down the Methods of Point Estimation.
- CO 05: Write down the Concepts of Statistical Hypothesis (simple and composite).
- CO 06: Describe the theory of Testing of hypothesis

B.Sc. II Paper II

Survey Sampling

- CO 01: Compare Sampling and complete enumeration.
- CO 02: Derive the estimators of population mean and proportion
- CO 03: Describe Stratified random sampling.
- CO 04: Describe Systematic Sampling.
- CO 05: Write down the Characteristics of Sampling errors.
- CO 06: Describe Regression and ratio methods of estimation in simple random sampling.
- CO 07: Describe Cluster Sampling.

B.Sc. II Paper III

Analysis of Variance and Design of Experiment

- CO 01: Describe the fundamentals of Analysis of Variance.
- CO 02: Describe One-way classification and Two way classification in ANOVA.
- CO 03: Describe Principles of Design of experiments: Randomization, Replication and local control.
- CO 04: Describe Concept and definition of efficiency of design.
- CO 05: Write down the Characteristics of Types of Design of experiments
- CO 06: Describe CRD, RBD and LSD with numerical and practical approach.
- CO 07: Describe 2^2 , 2^3 and 2^n factorial experiments (Analysis without confounding).

B.Sc. III Paper I

Non-parametric Methods and Attributes

- CO 01: Describe the fundamentals of Multivariate normal distributions.
- CO 02: Describe Order Statistics and various distributions of order statistics.
- CO 03: Describe One sample and two sample tests randomness and test for goodness of fit.
- CO 04: Describe Attributes and Characteristics of Association of attributes.
- CO 05: Describe Chi-square, Karl Pearson's and Tschuprow's coefficient of association.

B.Sc. III Paper II

Applied Statistics

- CO 01: Give the Introduction & definition of time series.
- CO 02: Analyse the various components of Time series.
- CO 03: Describe Index number and application of index number.
- CO 04: Describe Laspeyre's, Paasche's and Fisher's index number, time and factor reversal tests of index numbers, consumer.
- CO 05: Describe Demography (Population Science) and Demographic methods.
- CO 06: Introduce the tool of statistical quality and process control.

B.Sc. III Paper III

Operations Research

- CO 01: Describe History and background of OR.
- CO 02: Define General linear programming problems (LPP) and Methods to solve LPP.
- CO 03: Describe Transportation problem and Assignment Problem various methods to solve them such as North-west corner rule, Least cost method, Vogel's approximation method, Hungarian Algorithm.
- CO 04: Describe Replacement problems (individual and group).

- CO 05: Define Job sequencing.
- CO 06: Introduce Computer and Computer Programming.

Course Outcome Faculty of Commerce

B.Com I Group A: Business Administration

Business Communication

- CO 1 Students learned basic forms of communication, principles of effective communication.
- CO 2 Gives knowledge about self-development and SWOT analysis.
- CO 3 Acquired knowledge about corporate communication, requirement of different types of correspondence and writing business letters and practices in business communication.
- CO 4 Analysis and preparation of reports, minutes of meeting and effective presentation skills.
- CO 5 Described non-verbal aspects of body language, communication, effective listening, interviewing skills, importance and need, Fax, G.Mail, Video-conferencing etc.
- CO 6 Helped to explain international communication, writing and presenting in international situations.

B.Com I Group A: Business Administration

Business Environment

- CO 1 Described the concept of different types of environment and its trends.
- CO 2 Gained knowledge on business, economic trends and strategic decisions.
- CO 3 Provides awareness on the problems of growth unemployment, poverty, social injustice, inflation etc.
- CO 4 Comprehend the knowledge about monetary and fiscal policy, industrial policy, privatization etc.
- CO 5 Gives basic knowledge of current five year plan and major policies, resource allocation.
- CO 6 Acquired knowledge about GATT WTO, UNCTAD, IMF and GSTP etc.

B.Com II Group A: Business Administration

Principle of Business Management

- CO 1 Described different management theories-Taylor & Henry Foyal.
- CO 2 Knowledge of planning, concepts of decision making and environment analysis, strategy formulation.
- CO 3 Concept, significance of organisation structure, centralization and decentralization.
- CO 4 Motivation and leadership concept: Theories of Maslow, Herzberg, Mc Gregor and financial and non financial.
- CO 5 Understand about coordination and controlling.
- CO 6 Describe about different concept like staffing, departmentation and delegation.

B.Com II Group A: Business Administration

Fundamentals of Entrepreneurship

- CO 1 Acquired knowledge about entrepreneur : Theories, characteristics, leadership, risk taking, decision-making & planning.
- CO 2 Gained knowledge on promotion of a venture, opportunities analysis, legal requirements, fund raising, venture capital, sources and documentation.
- CO 3 Discussed about entrepreneurial behaviour: innovation and Psycho-Theories.
- CO 4 Acquired knowledge about Entrepreneurial Development Programme(EDP), achievement, role of government in organising EDPs.
- CO 5 Learned role of entrepreneur, innovator role in export promotion and import substitution.

B.Com III Group A: Business Administration

Information Technology & its Implications in Business

- CO 1 Students learned basic features of information and technology and its impact on business environment and social fabric, invention of printing press, telephone, and wireless and satellite communications.
- CO 2 Fundamentals of computers, data information and the need & concept of data and information, levels of information from data processing, electronic data processing.
- CO 3 Computer based business applications, word processing, meaning and role of word processing in creating of documents.
- CO 4 Introduction of electronic data interchange (EDI) FEDI for international trade transaction, future of EDI.
- CO 5 The internet and its basic concepts, client-server computing, internet protocol suite. Applications of internet business, education governance, etc.

B.Com 3rd Year Group A: Business Administration

Money & Financial Systems :

- CO 1 Acquired knowledge about Money functions, High powered money-meaning and uses, sources of changes in high powered money
- CO 2 Gives knowledge about role of finance in an economy, financial system, components and financial intermediaries.
- CO 3 To educate regarding Indian Banking System, Commercial Banks-importance and functions.
- CO 4 Process of credit certain by Banks, determination of money supply and total bank credit.
- CO 5 Development Banks and other Non-Banking Financial Institution, Unregulated credit markets in India.
- CO 6 Gained knowledge about the Reserve Bank of India, Credit control, Monetary Policy since independence.

M.Com. (Previous) Group A: Business Administration

Statistical Analysis

- CO 1 Correlation helps in identifying the strength and direction of a linear relationship between two variables, which helps the students to take data driven decisions.
- CO 2 Interpolation and extrapolation theory, meaning, importance, theories and techniques of business forecasting.
- CO 3 Discuss about data sources ,primary and secondary data, association of attributes.
- CO 4 It helps in enhancing the horizon of knowledge on the field of probability and Bernoulli theorem and inverse probability.
- CO 5 It create awareness in application oriented research in sampling and variables.

M.Com. (Previous)Group A: Business Administration

Financial Management

- CO 1 Students learn the concept of financial management, nature and scope of finance and financial goals.
- CO 2 Enables the student to understand investment analysis.
- CO 3 Students get knowledge of operating and financial leverage.
- CO 4 Acquired knowledge about dividend policies under Gordon and walters forms of dividends.
- CO 5 Learned about the management of working capital, its sources, management of cash, receivables and inventory.

M.Com. (Previous) Group A: Business Administration

Human Resource Management

- CO 1 Imparted the concept and importance of human resource management, attributes of an HRD manager and suggestions for effective HRD .
- CO 2 Comprehend the knowledge of human resource planning , job analysis and job development techniques.
- CO 3 Gain knowledge on different methods of training , its need and importance , policy, performance appraisal and promotions .
- CO 4 Gained facts on wages and salary administration , methods of wage fixation and group incentives – profit sharing .
- CO 5 Describe about –industrial disputes ; their settlement and employee grievance handling-meaning , effects discovery and steps in grievance handling.

M.Com. (Previous) Group A: Business Administration

Production Management

- CO 1 It gives knowledge to students how to take decisions related to production process .
- CO 2 It gives awareness of PERT AND CPM, i.e. these two terms give the best techniques .
- CO 3 Statistical Quality control describe wide concept of X-Chart , R-Chart , P-Chart, np-Chart, and C- Chart .
- CO 4 Students learn about ,material management make or buy decisions , methods of pricing of material issue.
- CO 5 ABC analysis and inventory control decisions will be helpful for students in understanding the inventory process.

M.com. (Final) Group A: Business Administration

Management concept and organisational behaviour

- CO 1 Management school of thought will be helpful for students in knowing the art of getting things done through others.
- CO 2 Relationship between Management and Organisational behaviour will educate about the basic of work force.
- CO 3 Motivation directs behaviour towards particular goals. Process of Motivation: Theories- need hierarchy theory.
- CO 4 Team development and Leadership process will be helpful to students in gaining the feeling of unity and its benefits.
- CO 5 Organisational conflicts theories will be helpful to the students, as it suggest various skills need to resolve conflicts.

M.com. (Final) Group A: Business Administration

Accounting for Managerial decision

- CO 1 Helps in analysing and in interpretation of financial statements and ratio analysis.
- CO 2 Fund flow and cash flow analysis helps the students in explaining the cause if changes in the assets liabilities and share capital between two balance sheet dates.
- CO 3 Budgeting- cash budget, flexible budget, sales budget helps in knowing how to roll forecast by updated report.
- CO 4 Knowledge of standard costing and variance analysis helps the students to exercise cost control and cost reduction which provides efficiency.
- CO 5 Marginal costing helps the students in knowing that marginal costs distinguish between fixed and variable. Its also describes the various applications of break even analysis.

M.com. (Final) Group A: Business Administration

Managerial economics

- CO 1 Helps in understanding the nature and scope of managerial economics, economic theory and managerial theory.
- CO 2 Describes about demand and supply concepts, types of elasticity, Law of demand and Demand Forecasting techniques.
- CO 3 Its helps in understanding market structure, price determination and various method of price determination.
- CO 4 It provides knowledge regarding different phases of a business cycle and its theories Psychological, profit, monetary innovation.
- CO 5 Profit management and capital management's gives practical measure, that is helpful for students to understand whether firm is making profit or not.

M.com. (Final) Group A: Business Administration

Marketing Management

- CO 1 Marketing management helps to know the modern marketing concepts and evaluation, strategic, marketing planning .
- CO 2 To analyse the marketing environment and the impact on marketing decision, consumer decision making process .
- CO 3 It helps the students understand product and pricing decisions , product life cycle.
- CO 4 Various distributions channels and promotion decision methods helps the student in gaining knowledge regarding inter mediaries .
- CO 5 Students understand the meaning and scope of marketing research and its process.

M.com. (Final) Group A: Business Administration

Government and Business Environment :

- CO 1 It helps in making the students understand concept and significance of Business Environment.
- CO 2 It helps in gaining the knowledge about various amendments of Industrial Policy.
- CO 3 By this students get knowledge about foreign investment merits impact on Indian Economy.
- CO 4 It helps in comprehending the knowledge about public enterprises, Government policy related to organisational structure.
- CO 5 Educates the students about Government policy regarding promotion of small scale industries.

B.Com I Group B: Account and Law

Financial Accounting

Course Objective: The role of accounting is to provide information to investors, policy-makers, regulators & other decision makers to facilitate the allocation of resources in society. The purpose of this course is to understand the accounting process to develop skills necessary to evaluate an enterprises financial position & its operating investing & financing objectives.

Course Outcomes:

- CO 1 Recognise & understand ethical issues related to accounting.
- CO 2 Prepare financial statements in accordance with generally accepted accounting principles.
- CO 3 Effectively define the needs of the various users of accounting data.
- CO 4 Described about preparation of Branch accounts, inter branch & head office accounts.
- CO 5 Calculation of interest on hire purchase & instalment system.
- CO 6 Computing the accounting treatment during death of a partner & dissolution of a partner.

B.Com I Group B: Account and Law

Business Regulatory framework

Course Objective: The course is intended to familiarise the students with the legal framework influencing business decisions.

Course Outcomes:

- CO 1 Understand the legal rules regarding contract act 1872 and what are the essential provisions.
- CO 2 Understand the meaning and the importance of contingent contracts and the consequences of breach of contract Knowledge on rules necessary for legal enforcement.
- CO 3 Awareness of rules regarding signing of the contract & about the negotiable instruments act.
- CO 4 Describe about different kinds of performances of the contract.
- CO 5 Identification of rules and regulations of sale of goods act.

B.Com II Group B: Account and Law

Income Tax

Course Objective: The course includes basic concepts of Income Tax & gives the overview of various components involved in the determination of the Income Tax. The course covers the audit process, including how a taxpayer may appeal on audit decision & how an appeal may reach various courts.

Course Outcomes:

- CO 1 Impart knowledge on the provisions of Income Tax Law & practice & make students compute the assessment practice under the various head of Income.
- CO 2 Acquire knowledge about taxation, Rates of Tax & Residential Status.
- CO 3 Described about the provision of salary, Income house property & business or profession & other computation.
- CO 4 Enhance assessment of individuals filing of returns & PAN.
- CO 5 Understand the concept of deduction under the section 80C

B.Com II Group B: Account and Law

Cost Accounting

Course Objectives: To familiarize students with the basic concepts of cost and various methods and techniques of costing.

Course Outcomes:

- CO 1 Understand the concepts of cost accounting and to expertise in presenting cost center & profit center.
- CO 2 Proficiency in preparing cost sheet with & without stock adjustment.
- CO 3 Gain expert knowledge on Materials cost and its methodologies.
- CO 4 Computation of wages under different methods of wage payment.
- CO 5 Explore in depth knowledge on classification of overheads.
- CO 6 Describe the cost records integral and non- integral system.

B.Com III Group B: Account and Law Corporate Accounting

Course Objective: This course introduces students to the corporate accounting & the external financial reporting environment. The focus throughout the course is on the preparation of general purpose financial reports that comply with Indian corporate legislation.

Course Outcomes:

- CO1 Acquired knowledge on issue of shares.
- CO2 Understand the knowledge on issue of debentures.

- CO3 Describe the calculation of profits prior to incorporation and company final accounts.
- CO4 Understand the accounting treatment for valuation of goodwill & shares.
- CO5 Analyse the alterations of share capital.
- CO6 Interpret consolidated financial reports.

B.Com III Group B: Account and Law

Auditing

Course Objective: The course aims at imparting knowledge about the principles & methods of auditing & there application. This course develops an understanding and appreciation of the philosophy of the auditing process and provides students with the skills necessary for effective decision making in regard to auditing, financial reporting and ethics.

Course Outcomes:

- CO1 Described about the concept of auditing, types and methods of auditing.
- CO2 Acquired knowledge about vouching of cash & credit transaction, verification of assets & liabilities.
- CO3 Described about preparation of different methods & auditors responsibility regarding depreciation & reserves.
- CO4 Comprehend the knowledge about appointment of different types of auditor, their rights and duties.
- CO5 Acquired knowledge about audit in EDP environment.

M.Com. (Previous) Group B: Accounts & Law Group

Statistical Analysis

Course objectives: The objective of this course is to provide an understanding for the graduate business students on statistical concepts to measurements of location and dispersion, probability, probability distribution, sampling estimation hypothesis testing, regression, and correlation analysis, multiple regression and business/ economic forecasting.

- CO1 How to calculate and apply measures of location and measures of dispersion- grouped and ungrouped cases.
- CO2 How to apply discrete and continues probability distributions to various.
- CO3 Perform test of hyper thesis as well as calculate confidence internal for a population parameter for single sample and two sample cases. Understand the concept of p-values.
- CO4 Learn non-parametric test such as the Chi-square test independence as well as Goodness of fit
- CO5 Compute and interpret the results of Variant and multivariate regression and correlation analysis for forecasting and also perform ANOVA and F-test, further, understand both the meaning and applicability of a dummy variable and the assumptions which underline a regression model. Be able to perform a multiple regression using imputer software.

M.Com. (Previous) Group B: Accounts & Law Group

Corporate Financial Accounting

Course Objectives: To help the students to acquire the conceptual knowledge of the corporate financial accounting and to learn the techniques of preparing the financial statements.

Course Outcomes

- CO1 Discuss the final accounts and financial statements of companies.
- CO2 Valuation of goodwill and valuation of shares, advanced methods of depreciations.
- CO3 Discussion the accounting for holding and subsidiary companies.

- CO4 Accounting issues relating to Amalgamation in the nature of merger, Reconstruction of companies.
- CO5 Discuss the inflation accounting, Published accounts of the companies.
- CO6 A comprehensive understanding of the advanced issues in accounting for assets, liabilities and owner's equity.

M.Com. (Previous) Group B: Accounts & Law Group

Corporate Legal Frame Work

Course Objectives: This paper aims at familiarizing the executives of the corporate bodies the legal frame work in which he/she is working. The knowledge of this part may help him/ her from not committing any mistake but taking wise decisions within the legal frame work.

Course Outcomes:

- CO1 The Companies Act, 1956, types of companies, Memorandum of association, Articles of association, Prospectus, Share capital and Membership, Winding up and dissolution of companies.
- CO2 The Negotiable Instruments Act, 1881, Negotiable Instruments, Negotiation Holder and holder in due course, Endorsement and Crossing of cheque; Presentation of negotiable instruments.
- CO3 SEBI act 1992, Organisation and objectives of SEBI, under securities contract regulation act, role of SEBI in controlling the security market
- CO4 MRTP Act 1969, Monopolistic trade practices, Restrictive trade practices; Unfair trade practices, The consumer protection Act, 1986, salient features, Right of consumer, Grievance Redressal Machinery.
- CO5 Regulatory Environment for International Business, FEMA, WTO, Regulatory framework of WTO, technical standard, anti-dumping duties and other Non Tariff Barriers. Custom valuation and dispute settlement.

M.Com. (Previous) Group B: Accounts & Law Group

Taxation (Excluding Income Tax)

Course objectives: To acquaint the students with basic principles underlying the provisions of direct & indirect tax laws & to develop to broad understanding of the tax laws & accepted tax practices. To give an understanding of the relevant provisions of direct tax code.

Course outcomes

- CO1 Discussion the wealth tax act, wealth ta authorities and computation of net wealth and wealth tax.
- CO2 Manage the procedure for assessment and collection of wealth tax, refund of wealth tax and penalties and prosecution.
- CO3 Objects and scope inter-state Sales, Sales tax liability, Tax liability in Special cases.
- CO4 Discussion the Uttar Pradesh Trade Tax Act.
- CO5 The Central excise Act. Procedure of Registration, Valuation of goods for purpose of levy of excise duty, MODVAT-inputs Eligible for MODVAT, Penalties and Punishment.

M.Com. (Final) Group B: Accounts & Law Group

Accounting for Managerial Decision

Course Objective: The objective of this course is to encourage the acquisition of knowledge & skills relating to the application of managerial accounting concepts & techniques for business decisions, short- term & long term/ strategic decision making models, cost management ideas, budgeting & associated performance measurement.

Course outcome

- CO1 Explain the nature & the process of business & how management accounting plays important roles in their decision making scenarios.
- CO2 Explain how management accounting contributes to financial reporting, how it is different from financial accounting.
- CO3 Apply management accounting ideas & practices in making short-term/ on-going decision in businesses and standard costing technique.
- CO4 Define & explain Marginal costing and Break-Even Analysis.
- CO5 Use the ideas & practices of budgeting in a business decision making context, with an emphasis on flexible budgeting.
- CO6 Discussion the fund-flow analysis and Reporting to Management.

M.Com. (Final) Group B: Accounts & Law Group

Financial Management

Course objective: The main objective of this course is to introduce the students to financial management & its importance & its application in business, their relationship with the business environment & the role & functions of chief financial officer.

Course outcome

- CO1 Apply financial management concepts & tools to the decisions faced by a manager in investment decisions.
- CO2 Apply financial management concepts & tools to the financing decisions & dividend decisions.
- CO3 Appraise the risk profile of firms, specifically estimate the costs of capital, including debt & equity capital.
- CO4 Discuss the operation of three distinct capital markets – equity market, land market & derivatives market.
- CO5 To adequate knowledge about the budgeting control in the corporates.

M.Com. (Final) Group B: Accounts & Law Group

Tax Planning and Management

Course Objectives: Tax planning is an art that helps to avoid taxes. By employing effective tax planning one can able to save more and invest in your development. Each and every organization that pays tax needs to make a tax planning to save money. The course aims to teach taxation in India and benefits of tax.

Course Outcomes

- CO1 Meaning of tax, Purpose and classification of taxes, Various Heads of Income basic introduction.
- CO2 Taxable Income and Tax Liability- Tax on distributed profits of domestic companies- tax on income distributed to unit holders.
- CO3 Clubbing of Income- Aggregation of Income- Set off and Carry forward of Losses- Deduction from Gross Total Income.
- CO4 Introduction to tax management, tax avoidance and the evasions, and Area of tax planning.
- CO5 Decisions- Tax Planning with reference to Financing and Investment Decisions – Make or Buy Own or Lease-Repair or Replace- Employee Remuneration- Setting up of New Business, Advance payment of tax.
- CO6 Tax Assessment: Introduction, Difference between Tax Planning and Tax Management, Areas of Tax Management, Return of Income and Assessment, Penalties and Prosecutions, Appeals and Revisions.

M.Com. (Final) Group B: Accounts & Law Group

Advanced Auditing

Course Objectives: This course will use case studies to explore audit topics not extensively covered in a typical introductory auditing course including internal controls, planning and risk assessment, audits of business cycles and work papers.

Course Outcomes

- CO1 Demonstrate an understanding of planning and conducting an engagement including making assessments of audit risk, fraud, materiality, and deciding the nature, timing, and extent of tests.
- CO2 Identify objectives for particular audits, select and apply tests of control and substantive procedures to obtain appropriate audit evidence, evaluate the evidence, and draw reasonable conclusions.
- CO3 Apply relevant account and reporting standards to evaluate and form opinions on financial statements.
- CO4 Discuss the point to be observed in Investigation, types of Investigations.
- CO5 Advantage and outline of cost audit and importance, appointment and functions of auditors in management audit

M.Com. (Final) Group B: Accounts & Law Group

Project Planning & Control

Course Objective: To provide adequate knowledge to the students for formulating and handling of project.

Course outcome

- CO1 Manage the scope, cost timing & quality of the project, at all times focused on project success.
- CO2 Align the project to the organizations strategic plans & business justification.
- CO3 Identify project goals, constraints, deliverables, performance criteria, control needs & resource requirements in consultation with stakeholders.
- CO4 Utilize technology tools for communication, collaboration, information management & decision report.
- CO5 Apply appropriate legal & ethical standards.
- CO6 Apply project management practices to the launch of new programs imitative products, services, & events relative to the needs of stakeholders.

B.Com I Group C: Applied Business Economics Group

Business Economics

Objectives of the Course:

It provides exposure to the students to the Business Economics culture & industrial, Business growth. So as to preparing to set up and manage their small units

Course Outcomes:

- CO 1 Understand the scope and importance of business & economics.
- CO 2 Describe about demand, supply concepts and demand Porecasting.
- CO 3 Understand the concepts of Law of diminishing marginal utility and indifference curve.
- CO 4 Describe about variable proportion, Law of return to scale, B.E.P and Economic scale.
- CO 5 Understand about Market structure and price & output determination of difference market.

B.Com II Group C: Applied Business Economics Group

Industrial Law

Objective of this paper:

The objective of this paper is to orient students about Industrial rules and regulations.

Course Outcome of The Factories Act. 1948

- CO 1 It aims of providing protection to workers, as it makes provides for health, welfare and safety.
- CO 2 By this Act students gain knowledge of various definitions under factories act like adult, child, etc.
- CO 3 Also helpful for students in research work.

Course Outcome of Industrial Disputes Act. 1947:

- CO 1 By this Act. student will learn about "amelioration of conditions of workmen in the Industry".
- CO 2 Authorities, duties and rights of this Act will help student in understanding better. Which will foster their skill development.

Course Outcome of Indian Trade Unions Act. 1926:

- CO 1 This act is aiming to provide for the registration of trade union and also to define the law relating to registration trade unions.
- CO 2 Also the rights and liabilities of Registered Trade Union will be helpful for students in gaining knowledge for competitive as well as research work.
- CO 3 Definitions and Registration of Trade Unions will tell the students regarding relationship between workmen and employers, Employers and Employers.

Course Outcome of Employees state Insurance Act. 1948:

- CO 1 This Act. is aim to provide an scheme of comprehensive insurance in the form of compulsory state Insurance.
- CO 2 Standing Committee and Medical benefit council will help the student in gaining knowledge of various schemes.
- CO 3 Provisions relating to contribution and benefits will be helpful for the students as it describes various benefits.

Course Outcome of Employees Compensation Act. 1923:

- CO 1 This Act. is aim to provide for payment by certain classes of employers to their workmen for injury by Accident.
- CO 2 Provisions to compensation of workman will be helpful for students in achieving knowledge for various compensation.

B.Com II Group C: Applied Business Economics Group

Public Finance

Course Objectives: This course studying the functioning of modern public finance. After successful completion of the course students will be able to critically assess the mechanism of functioning of modern public finance.

Course Outcomes

- CO 1 meaning and scope of public finance, advantage & economic function of modern state.
- CO 2 Discuss the public expenditure, effects on production and economic stability.
- CO 3 Define the sources of revenue, tax revenue, direct & indirect tax, effects on production & distribution.
- CO 4 Discuss the role and classification of public debts and methods of redemption, tax vs loan.
- CO 5 Financial federalism under constitution finance commission, review of Indian tax system, financial control in India.

M.Com. (Previous) Group C: Applied Business Economics

Statistical Analysis.

- CO 1 Discuss about Data sources in which Primary and Secondary data: Association of Attributes and chi-square Test.
- CO 2 Probability and Regression student know about fundamental theorem about this.
- CO 3 Interpolations Extrapolation theory.

CO 4 Karl Pearson's Co-efficient other theory.

CO 5 Statistical Quality Control. It is also beneficial to student and also about Index Number.

M.Com. (Previous) Group C: Applied Business Economics

Managerial Economics:

CO 1 Student learn about Economic Analysis in Economic theory: Business decision under risk and uncertainty.

CO 2 Demand theory and demand elasticity in planning a very important role to understand about economy.

CO 3 Cost Analyser, cost concept, test Measurement under Managerial Economics give immense knowledge to students.

CO 4 What is Project? How we determine it? Measurement of cost is also very crucial and upgrade knowledge to students.

CO 5 Capital bucketing its different method likes pay have period (Past Probabilities, present value method.) are also very helpful to student.

M.Com. (Previous) Group C: Applied Business Economics

Management Concept and organisational Behaviour

Course Outcome of School of management thought:

CO 1 Management Concepts and functions will be helpful for students in knowing the art of giving things done through others.

CO 2 Scientific Management and human behaviour will give the knowledge to students regarding maintenance in respect of instruments in respect of instruments and tools.

CO 3 Decision theory, Quantitative and system school will be helpful for the students as it describes the process of choosing best from several alternatives.

CO 4 Contingency theory will be beneficial as by this students can be able to think on situation based method.

Course Outcome of Organisational Behaviour:

CO 1 Organisation Behaviour describes the behaviour of people, process of management the impact of individuals .

CO 2 relationship between management and OB will discuss the basics of workforce, improving skills in the students.

CO 3 Transactional Analysis will improve the psychoanalytic, humanist approach of students .

CO 4 Concept of organisational development and its intervention will be helpful in increasing the basic skills of the students.

Course Outcome of Motivation:

CO 1 Motivation directs behaviour towards particular goals of students.

CO 2 It describes how the motivation will increase students time on task and how they achieve their goals.

CO 3 By the help of Maslow Hierarchy of needs theory students will likely to perform at their full potential if their basic needs are unmet.

CO 4 Vector's Vroom's theory Adams equity theory will be helpful in improving students personality.

Course Outcome of Group Dynamics and team Development:

CO 1 Group dynamics describes how the two or more individuals come together to achieve particular objectives.

CO 2 It describes the benefits of team to the students.

CO 3 It helps in providing security to students.

CO 4 Leadership styles and theories will be helpful to students in going knowledge regarding professionalism, and also in improving work efficiency.

Course Outcome of Organisational Conflicts:

- CO 1 Organisational Conflicts refers to demonstration of anger, negative behaviour enmity etc.
- CO 2 Traditional and Modern approach of conflict will be helpful in differentiating the level so that students can know the priorities and influence tactics.
- CO 3 Conflict Resolution strategies is helpful in preventing the occurrence of conflicts among the students too.
- CO 4 Conflicts theories will be helpful to students, as it suggests various skills needed to resolve conflicts.

M.Com. (Previous) Group C: Applied Business Economics

Financial Institutional and Market:

Economics, Financial Economics, Financial System, Financial Claim, Funds finding, Financial Resources, Primary Market, Secondary Market, Money Markets capital market knowledge provides to student of App. Bus. Economics.

- CO 1 Indian financial system, Functions of money market, Capital market meanings function of capital market.
- CO 2 Reserve Bank of India credit creations and credit control and monetary policy.
- CO 3 Gives knowledge about commercial bank and latest development about it merger and amalgamation.
- CO 4 Function & Meaning of development banks as IFCI, ICICI etc.
- CO 5 Unit Trust of India: Its objectives function of various schemes. Investment practices of LIC and GIC.

M.Com. (Final) Group C: Applied Business Economics

Financial Analysis & Control

Course Objectives: This course aims to introduce basic concepts in operational finance, such as financial statements concepts, financial ratio analysis, and etc., and to describe the techniques and tools that support financial decision making. Students will learn how to apply the decision analysis and making techniques and tools to various phases of financial processes.

Course Outcomes

- CO 1 Learn the concept of financial statements with different sources.
- CO 2 Applying and interpreting financial ratios to internal and external accounting information.
- CO 3 Discuss the limitation and Preparation and Analysis of Fund Flow Statement.
- CO 4 Preparation of Different Types of Budgets, Fixed Versus Flexible Budgets.
- CO 5 Contribution Margin, Break-Even Analysis, Profit Volume (P/V) Analysis, Multiple Product Analysis, Optimal Use of Limited Resources.

M.Com. (Final) Group C: Applied Business Economics

Foreign Trade Policy, Procedure and Documentation:

- CO 1 App. Bus. Eco. give knowledge about international trade theory of comparative cost : How it takes place in international trade.
- CO 2 What is bilateral and Multilateral Trading. Student also learn about WTO and its function.
- CO 3 India's Foreign Trade and policy composition and direction of foreign trade: Export promotion messages.
- CO 4 Cargo credit and exchange rules.
- CO 5 Documentation framework also given immense knowledge about foreign trade policy to student of App. Business group.

M.Com. (Final) Group C: Applied Business Economics

Tax Planning:

- CO 1 Under this head student of Tax Planning know how to save taxes in India. It explain all the best tax saving option such as ELSS life insurance, NPS, EPF, PPF and other tax saving fixed deposit etc.
- CO 2 Meaning and characteristic and Tax Planning and Tax Management residential states and Tax Planning & exemption from tax incidence of Tax.
- CO 3 Income from salaries Tax planning for the salaries employee.
- CO 4 Income from house property and its computation. Student also learn about business profession Capital gains and Tax Planning, Income from other sources Tax Planning.
- CO 5 Tax deduction and collection at source, advance payment of Tax etc gives immense knowledge about Industrial Taxes.

M.Com. (Final) Group C: Applied Business Economics

Investment Management

Course Objectives: This course provides a comprehensive, non-mathematical introduction to the key elements of investment management.

Course Outcomes

- CO 1 To study investment concept, types feature and function.
- CO 2 To analyze investment goals, risk and return analysis.
- CO 3 To know the investment valuation measures and approach.
- CO 4 To familiarize investment portfolio, mutual funds and efficient market hypothecs.
- CO 5 To study derivative investment port and calls options.
- CO 6 Discuss measures of portfolio risk-adjusted performance in detail and critically analyse the key challenges in employing them

M.Com. (Final) Group C: Applied Business Economics

Project Planning & Control

Course Objectives: To provide adequate knowledge to the students for formulating and handling of project. Project report writing trains a student to communicate information in an effective and convincing way, thus, contributing to the organizational planning and decision making.

Course Outcomes

- CO 1 Align the project to the organizations strategic plans & business justification.
- CO 2 Manage the scope, cost timing & quality of the project, at all times focused on project success, Primary and secondary sources of information,
- CO 3 Identify project goals, constraints, deliverables, performance criteria, control needs & resource re quirements in consultation with stakeholders, cost of project major components of financing, projected sources and use of funds statement.
- CO 4 Utilize technology tools for communication, collaboration, information management & decision report.
- CO 5 Apply project agencies promoting & organising entrepreneurship development, technical and management consultancy, development of industrial estate and tax benefits.

Course Outcome Faculty of Arts

B.A. I : Economics Paper-I

Principles of Economic Analysis

- CO 1 Explain the definition ,and methods of economic study. Equilibrium and its types, variables, equations, and identities.
- CO 2 Describe the demand function, elasticity of demand-types and measurement .Derivation of demand.
- CO 3 Describe the production function, factors of production and explain the law of variable proportion and return to scale.
- CO 4 Explain the term production costs, producer's equilibrium .
- CO 5 Classify the market structure, and explain the concept of firm and industry ,and different competition.
- CO 6 Explain how price determine in different markets.
- CO 7 Explain the determination of Rent, Wages, Profit, Interest.

B.A. I : Economics Paper-II

Indian economic problems

On successful completion of the course, the student will be able to:

- CO 1 know the development process in India after independence .
- CO 2 Students are expected to be able to apply economic analysis to everyday problems in real world situations, to understand current events and evaluate economic policies.
- CO 3 Develop a perspective on the different problems and approaches to economic planning and development in India.
- CO 4 Understand the demographic features and various aspects of India's economy.
- CO 5 Understand the problems like poverty and unemployment and measures in their contextual perspective.
- CO 6 Describe the role of agriculture sector and agricultural price policy.
- CO 7 Evaluate industrial policy, performance of public sector and privatisation.
- CO 8 Understand the expected impact of government policies, such as taxation, price controls, subsidies, and macroeconomic policies.
- CO 9 Understand the various issues related to the Uttar Pradesh state economy.

B.A. II : Economics Paper-I

National income analysis and money banking

- CO 1 Learning the concepts and methods of National Income measurement.
- CO 2 Analyse different phases of trade cycle, demonstrate various trade cycle theories, understand the impact of cyclical fluctuation on the growth of business, and lay policies to control trade cycle.
- CO 3. Understanding Inflation and Deflation and ways to control them.
- CO 4. Understanding various methods of credit control used by central banks.
- CO 5. Understanding the role and objectives of Regional Rural Banks.
- CO 6. Role of commercial banks in economic development.

B.A. II : Economics Paper-II

Public finance and international trade

- CO 1. Importance of public finance in an economy.

- CO 2. Attain the advantages and knowledge of public investments and other government expenditures. Understand the causes of growing public expenditures for various programmes and policies within and outside the country.
- CO 3. Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.
- CO 4. Learning about Public debt, understanding the objectives of public debt and its impact on national economy.
- CO 5. Understanding the various forms of Protection, its merits and demerits.
- CO 6. Gaining knowledge on Tariff and Optimum Tariff.

B.A. III : Economics Paper-I

Economics of the Less Developed Countries

- CO 1 To understand the meaning ,measurement, structure and characteristics of developing nations.
- CO 2 Analytical perceptions of problems and policies and theories of growth.
- CO 3 Describe the terms of trade, trade and economic development.
- CO 4 Explain the role of W.T.O. in less developed countries.
- CO 6 Explain the need, concept ,types of planning.
- CO 7 Explain the plan model of Mahalanobis and Indian five year plans.

B.A. III : Economics Paper-II

Economic policies of India

On successful completion of the course, the student will be able to:

- CO 1 Students are expected to be able to apply economic analysis to everyday problems in real world situations, to understand current events and evaluate economic policies.
- CO 2 Develop a perspective on the different problems and approaches to economic planning and development in India.
- CO 3 Understand the demographic features and various aspects of India's economy.
- CO 4 Learn current policies for the problems like poverty and unemployment and measures in their contextual perspective.
- CO 5 Describe the role of agriculture sector and agricultural price policy.
- CO 6 Evaluate industrial policy, performance of public sector and privatisation.
- CO 7 Understand the expected impact of government policies, such as taxation, price controls, subsidies, and macroeconomic policies.
- CO 8 Understand foreign trade, Exchange rate policy and policies for foreign capital inflow .

B.A. III : Economics Paper-III

History of economic Thought

On successful completion of the course, the student will be able to:

- CO 1 Understand key models and concepts of the history of economic thought
- CO 2 Understand scholarly articles concerned the history of economic thought
- CO 3 Produce simple appreciations of the history of economic thought texts
- CO 4 Have a historical consciousness of economic ideas
- CO 5 Trace the evolution of economics and its constituent fields from the Classical thinkers to neoclassical thought and its modern challengers
- CO 6 Evaluate the historical context in which economic ideologies arose and were applied;

M.A. Previous : Economics Paper-I

Micro Economics Analysis

- CO 1 Know concept of equilibrium and theories of consumer's behaviour.

- CO 2 Know concept of cardinal and ordinal utility approaches and consumer's equilibrium in each approach.
- CO 3 Know laws of returns and returns to scale.
- CO 4 Understand structure of markets and equilibrium of a firm and industry under various market conditions.
- CO 5 Explain the nature of relationship between the demand for a commodity and its price.
- CO 6 Know the concept of consumer's surplus and practical usefulness of the concept.
- CO 7 Know the various degrees of elasticity of demand and methods of measuring elasticity of demand.
- CO 8 Understand theory of distribution and factor prices with special reference to marginal productivity theory of distribution.
- CO 9 Know the concept of economic welfare with special reference to Pigou and Pareto.
- CO 10 Classify different theories of Rent, Wages, Interest and Profit.

M.A. Previous : Economics Paper-II

Indian economic policy

On successful completion of the course, the student will be able to :

- CO 1 To become familiar with salient developments in the Indian economy, in both present-day and historical contexts.
- CO 2 Application of Development indicators in the context of India's Economic Growth and Development
- CO 3 Develop a perspective on the different problems and approaches to economic planning and development in India.
- CO 4 Understand the demographic features and various aspects of India's economy.
- CO 5 Understand the problems like poverty and unemployment and measures in their contextual perspective.
- CO 6 Describe the role of agriculture sector and agricultural price policy.
- CO 7 Evaluate industrial policy, performance of public sector and privatisation.
- CO 8 Understand centre and state financial relations, classify finances of central and state governments and describe the fiscal sector reforms in India.
- CO 9 Review the monetary policy of RBI and analyse the price behaviour in India.
- CO 10 Describe the role of international trade, foreign capital , MNCs in India and impact of WTO on Indian economy.

M.A. Previous : Economics Paper-III

Demography

- CO 1 The students aware of the importance of population economic development.
- CO 2 Explain various theories and population growth in country.
- CO 3 Explain quantitative and qualitative aspects and characteristics of the population through various demographic techniques.
- CO 4 Explain the term migration and urbanization and its effect on structural change
- CO 5 Explain the sources of population and related characteristics as also to the rational, need and evolution of population.
- CO 6 Explain the demographic data base in India.
- CO 7 Explain the structure of population.

M.A. Previous : Economics Paper-XIII

Agricultural economics

- CO 1. Understanding the importance of Agriculture in Indian Economy
- CO 2. Understanding the role of Agricultural production in providing employment to people in rural areas.

- CO 3. Enhancing the understanding of students regarding the impact of price determination and demand & supply on market.
- CO 4. Understanding the role of Agro based Industries in Economic Development.
- CO 5. Make the students aware of the availability of rich natural endowments to achieve Sustainable Agricultural Development.
- CO 6. Gain knowledge of the causes of regional variations in productivity and production, size of land holdings and social & economic inequality.

M.A. Final : Economics Paper-IV

Macro Economic Policy

On successful completion of the course, the student will be able to :

- CO 1 Understand different forms of national income and analyse the economy in quantitative terms.
- CO 2 Understand aggregate supply/aggregate demand model and describe the interrelationships among prices, income and interest rates as they affect consumption, saving and investment.
- CO 3 Understand the long run and short run investment function and marginal efficiency of capital.
- CO 4 Analyze the role of money, credit, and Federal Reserve monetary
- CO 5 Analyse different approaches to demand for money.
- CO 6 Demonstrate terms such as monetary and fiscal policy, supply and demand, market equilibrium, etc.
- CO 7 Know about different theories on rate of interest.
- CO 8 Understand Classical, Keynesian and Monetarist approaches to inflation.
- CO 9 Analyze business cycle swings by using macro-economic models.
- CO 10 Understand the expected impact of government policies, such as taxation, price controls, subsidies on inflation and business cycles

M.A. Final : Economics Paper-V

Public Economics

- CO 1 Analyse role of government in a mixed economy.
- CO 2 Know about tax structure of India and role of government to achieve maximum social advantage.
- CO 3 Know structure, canons and effects of public expenditure.
- CO 4 Understand structure of taxation and economic effects of taxation.
- CO 5 Describe sources and need of public debt, economic effects and redemption of public debt.
- CO 6 Know objectives of fiscal policy and inter dependence of fiscal and monetary policies.
- CO 7 Know working of finance commission and planning commission.
- CO 8 Analyse centre-state financial relations in India.
- CO 9 Understand the characteristics of Indian tax system, sources of central and state revenues.
- CO 10 Analyse central and state budgets.

M.A. Final : Economics Paper-VI

International trade and finance

- CO 1 Understanding the Contribution of International Relations in Economic Development of the Nation.
- CO 2 Understanding of the impact of Inter regional and International trade on Economy of Nation.

- CO 3 Giving students a sufficient knowledge of Exchange rate and its associated problems occurring during trade.
- CO 4 Understanding of impacts of money devaluation on import and export.
- CO 5 Giving students the knowledge of terms of trade and turning the unfavourable terms of trade into favourable.
- CO 6 Show the importance of maintaining equilibrium in the balance of payments and suggests suitable measures to correct disequilibrium as well.
- CO 7 Introducing the students to International monetary institutions.

M.A. Final : Economics Paper-VII

Industrial Economics

- CO 1 The students aware the basic issues such as productivity, efficiency, capacity utilization involved in industrial development of India.
- CO 2 Explain the framework and problems of industry
- CO 3 Explain the market structure, conduct and performance.
- CO 4 Explain the Indian industrial growth and pattern.
- CO 5 Explain the sources of industrial finance.
- CO 6 Explain the problems of industrial labour.
- CO 7 Explain the current problems of selected industries such as Jute, Coal, sugar, cement etc.
- CO 8 Mention the importance of small scale and cottage industries.

B.A. I English Language Paper - I

Text: Selected Essays and Collection of Short Stories

- CO 2 Know about the Biographies or life and works of the famous essayists like C.E.M. Joad, Isaac Asimov, Desmond Morris, M.W. Thring, R.N. Tagore, and L.D. Stamp.
- CO 3 Able to know about the Literary Terms and various Forms of Essays and Short Stories.
- CO 4 Able to trace the development of genres like 'Essay' and 'Short Story' through various literary Ages
- CO 5 Able to critically evaluate the work like *Civilization and History*, *The Fun They Had*. Essay 'An Observation and an Explanation'. 'A Robot about the House'. 'A Wrong Man in Worker's Paradise' of famous Essayists.
- CO 6 Understand the short stories like 'The Diamond Necklace' and 'A Pair of Mustachios' 'An Astrologer's Day' 'The Gift of Magi' 'Three Questions' 'The Home-Coming' 'The Luncheon' of famous writers like Guy de Maupassant and Mulk Raj Anand O' Henry, R.K. Narayan, Leo Tolstoy, Somerset Maugham etc.
- CO 7 The students would be able to critically appraise short stories and essays by commenting on their titles, themes, language, style, atmosphere, social background, etc.

B.A. I English Language Paper - II

Applied Grammar

- CO 1 The students would be able to understand about the qualities and techniques of a good *Precis Writing*.
- CO 2 The students can *translate* the simple and conditional sentences from Hindi to English language and vice-versa.
- CO 3 The students would be able to do *idiomatic and proverbial translations*.
- CO 4 The students would be able to *change direct speech* (all types of sentences) *into indirect speech* and vice-versa.
- CO 5 The students would be able to identify the different types of *finite* and *non-finite verbs*.

CO 6 The students would be able to define and use *Paronyms* and *Homonyms*.

B.A. II English Language Paper - I

Text: Selected Essays and a Novellete

CO 1 Understand various types of Essays like Personal, Aphoristic Essays etc.

CO 2 Would be able to know about the biography and contribution of the famous essayists like *Herbert Read*, *J.B.S Haldane*, *Aldous Huxley*, *Rumer Godden*, *Jerome K. Jerome*, *Bertrand Russel*, and the novelist *George Orwell* to English Literature

CO 3 The students can critically appraise essays by commenting on their titles, themes, language, style, atmosphere, social background, etc. and evaluate the thoughts and the views of the famous Essayists as prescribed in the syllabus

CO 4 Would be able to understand contemporary social, economical and political conditions when the particular essay was written.

CO 5 The students would be able to have the knowledge about *George Orwell's* famous Novellete '*Animal Farm*' and can summarise the events in their own words by commenting on its title, theme, plot, characterization, dialogues, language, style, atmosphere, social background, etc.

CO 6 Would develop an understanding about the work of different essayist like Herbert Read's '*Work and Play*', J.B.S. Haldane's '*Laws of Nature*', Aldous Huxley's '*Individuals and Masses*', Rumer Godden's '*Children at Play*', Jerome K. Jerome's '*Symptoms*', Bertrand Russell's '*How to Avoid Foolish Opinions*' regarding the meanings and kinds of work and play through his essay

B.A. II English Language Paper - II

CO 1 Be able to understand about language, syntax tenses etc.

CO 2 Would develop writing skills about letter writing, Journalistic writing and C.V. Writing.

CO 3 Be able to understand about the use of punctuation marks as full stop comma, semicolon, colon, point of interrogation, mark of exclamation, dash, brackets, inverted commas or quotation marks, hyphen, apostrophe, and ellipsis and use of capital letters.

CO 4 Be able to have more knowledge about Indians and phrases and one word substitution.

CO 5 Be able to understand grammar as a rule governed behaviour not as mere rote, learning and to express their ideas logically and correctly in speech and writing.

CO 6 Be able to assimilate the correct patterns of the language without rote memorization and ability of reading writing and speaking

B.A. III English Language Paper - I

Representative essays and Comprehensive

CO 1 Be able to know about life and works of Aurobindo Ghosh, R.K. Narayam, M.K. Gandhi, Nehru.

CO 2 Be able to understand about various representative essays from Indian Writing in English.

CO 3 Be able to understand the text of different essays and to critically analyse them in contemporary social perspective.

CO 4 Be able to enrich their vocabulary.

CO 5 Develop Comprehensive skills.

CO 6 Be able to use grammar properly.

B.A. III English Language Paper - II

Communication for Business and Media

CO 1 Be able to understand concept nature and Features communication.

- CO 2 Would have the knowledge of Report writing and Project Report.
- CO 3 Be able to understand about science of linguistics viz phonemes, allophone, wordaunt.
- CO 4 Be able to understand about various Types of communication media like crose cultural.
- CO 5 Develop the skill of writing print media.
- CO 6 Would understand writing for electronic media like Radio and Television.

B.A. III English Language Paper - III

Applied Grammar and Para Jumbles.

- CO 1 Would be able to understand about Grammar.
- CO 2 Be able to understand about vowels and consonants.
- CO 3 Be able to understand the various parts of speech like Noun, pronoun, adjectives, prepositions, adverb.
- CO 4 Be able to understand verbal reasoning like analyse , classification, word formation.
- CO 5 Would develop knowledge to check reasoning along with good understanding of the language.
- CO 6 Would have the knowledge of classification of tenses.

B.A. I English Literature Paper - I

- CO 1 Be able to have knowledge about various forms of literature.
- CO 2 Be able to have knowledge about different forms of poetry like sonnet, ode, lyric, elegy, pastoral elegy, Epic, Mock Epic, Ballad, Heroic Couplet, Dramatic, monologue, Allegory.
- CO 3 Be able to understand about prosodic elements and major verse forms.
- CO 4 Be able to have knowledge about the biography of poets like William Shakespeare John Donne Michael Drayton, Alexander Pope, Thomas Gray, William Blake, William Wordsworth, P.B. Shelley, Robert Bridges.
- CO 5 Be able to develop the quality to explain stanzas of poem with critical comments.
- CO 6 Be able to analyse the thoughts and sentiments expressed through poem

B.A. I English Literature Paper - II

- CO 1 Be able to evaluate or react according to his own the thoughts expressed.
- CO 2 Be able to have knowledge about different forms of prose.
- CO 3 Be able to understand about different prose writers like sir francis Bacon, Joseph Addison, Oliver Goldsmith, Charles Lamb Dr. Johnson, G.K. Chesterton, R.L. Stevenson, A.G. Gardiner, Robert Lynd, J.B. Priestley, Hilaire Belloc, E.V. Lucas.
- CO 4 Be able to develop the quality to explain and critically analyze a literary text.
- CO 5 Be able to evolve his own thoughts on the basis of review the literature .
- CO 6 Be able to organize the various types of literary and cultural programmes of literature.

B.A. II English Literature Paper - I

Drama

- CO 1 The students would have the knowledge about the history, theory, and elements of Drama.
- CO 2 The students would be able to have knowledge about the different forms of Drama like Tragedy, Comedy, Tragi- Comedy, Historical Plays, Problem Plays etc.
- CO 3 The students would have the knowledge about the life and works of William Shakespeare, Congreve, and GB Shaw.
- CO 4 The students would be able to critically evaluate the Othello, The Way of the World, and St Joan.

- CO 5 The students would be able to narrate the summary of Othello, The Way of the World, and St Joan in his/ her own words.
- CO 6 The students would be able to explain the passages with reference to the context from the Othello, The Way of the World, & St Joan.

B.A. II English Literature Paper - II

Fiction

- CO 1 The students would have the knowledge about the theory, elements and techniques of Fiction.
- CO 2 The students would have the knowledge about the History of English Novel.
- CO 3 The students would be able to have knowledge about the different forms Novels like Picaresque novels, Historical Novels, Psychological Novels, Epistolary Novels, Campus Novels etc.
- CO 4 The students would be able to differentiate between Drama & Novel.
- CO 5 The students can compare & contrast between the theory and history of Drama & Fiction.
- CO 6 The students would have the knowledge about the life and works of novelists Jane Austen, Charles Dickens, and Thomas Hardy.
- CO 7 The students would be able to critically evaluate the novels Pride & Prejudice, Oliver Twist, & The Return of the Native.
- CO 8 The students would be able to narrate the summary of the novels Pride & Prejudice, Oliver Twist, & The Return of the Native in his/ her own words.

B.A. III English Literature Paper - I

History of English Literature

- CO 1 Demonstrate awareness of the social, culture, historical and literary perspective of the different ages like Renaissance, New- classical, Romantic, Victorian and Modern.
- CO 2 Be able to describe the major literary movement like renaissance, New Classical, Romantic.
- CO 3 Would have the knowledge of development of Indian writing in English.
- CO 4 Be able to appreciate poetry of famous Indian English *poets*.
- CO 5 Be able to understand literary terms and stanzas form.
- CO 6 Be able to critically analysis Indian English drama in contemporary perspectives.
- CO 7 Would have general laid about the writings in English all over the world under the head of Australian literature, American literature Canadian literature.
- CO 8 Be able to understand the position of English literature across the world by studying poetry drama, Fiction and prose of different cultural back ground.

B.A. III English Literature Paper - II

Indian Writings in English

- CO 1 Would have the knowledge of development of Indian writing in English.
- CO 2 Be able to critically analyse the poetry of Indian poets like Jayanta Mahapatra, Nissim Ezekiel, Vikram Seth, A.K. Ramnaujan.
- CO 3 Be able to analyse Indian drama in contemporary perspective.
- CO 4 Be able to have understand of Indian English poetry in contemporary global perspective.
- CO 5 Able to understand the themes of the poems of prescribed syllabus.
- CO 6 Be able to critically analyse the works of poets.

B.A. III English Literature Paper - III

New Literature in English

- CO 1 Would have general idea about writing in English all over the world under the head Australian literature, American Literature and Canadian literature.
- CO 2 Be able to understand the position of English literature across the world by studying poetry, drama, fiction, and prose of different cultural background.
- CO 3 Be able to critically analyse the Afro-American fiction.
- CO 4 Would have the knowledge of Australian Literature.
- CO 5 Would have the knowledge of Canadian literature.
- CO 6 Would be able to critically analyse poets like Wentworth, Ada Cambridge, Chris Wallace Crabbe, Kevin Gilbert and dramatist Edward Albee.

M.A. English Previous Paper - I

Poetry

- CO 1 Understand different kinds of poetry like Sonnets, Epic, Mythological narrative, war poetry, Romantic –epic, devotional poetry, Indian- English poetry with their specific characteristics.
- CO 2 Able to trace development and changes in the body of literature over time, from 14th century to the modern age.
- CO 3 Able to discuss in details, important concepts, themes, and traditions growing out of a study of different poets.
- CO 4 Able to appreciate specific works by major poets such as Shakespeare, Chaucer and Milton, Pope, Khalil Gibran, Tagore and their significance in the canon of British and Indian- English poetry.
- CO 5 Develop an understanding to analyse the work of each of the poets in the context of his complete works and as influential texts.
- CO 6 Understand how written texts are reshaped by diverse local, national, global, historical, aesthetic, and ideological contexts.

M.A. English Previous Paper - II

Fiction

- CO 1 Be able to have knowledge about the history of English fiction.
- CO 2 Be able to have knowledge about different forms of Novel like picaresque novel, Historical Novel, Realistic Novel, Domestic novel, Rural Novel, Stream of Consciousness Novel, The Gothic Novel, Epistolary Novel, Regional Novel, Prophetic Novel, Psychological Novel,.
- CO 3 Critically Analyse Literary writings by different British American and Indian English Creative Literary fiction writers like Henry Fielding, Sir Walter Scott, W.M. Thackeray, Jane Austen, Leo., Tolstoy, Premchand, Virginia Woolf, Ernest Hemingway, Salman, Rusdie, Anita Desai etc.
- CO 4 Be able to have knowledge about the social historical, literary and cultural perspective of different literary texts.
- CO 5 Be able to develop the quality of creative writing.
- CO 6 Demonstrate knowledge about Novels and gain deep knowledge about the biography of different novelists in prescribed syllabus.

M.A. English Previous Paper - III

Drama

- CO 1 Would learn the theory, and element of drama
- CO 2 Would learn the different dramatic technique.
- CO 3 Would get knowledge about the different forms of drama as- tragedy, comedy, tragicomedy, historical plays, problem plays, etc.

- CO 4 Would get knowledge about different dramatist as- Sophocles, Kalidasa, Shakespeare, Marlowe, John Osborn, etc.
- CO 5 Would learn the concepts of British and Indian drama.
- CO 6 Would learn to perform on stage through dialogue and action.

M.A. English Previous Paper - IV

Non-Fiction

- CO 1 Would connect the students to their nation and the World in a meaningful and intimate way.
- CO 2 Would unfold the reality to know real people and their live.
- CO 3 Would insist on thinking practically.
- CO 4 Would improve general knowledge and skills.
- CO 5 Would help to learn different forms of Literature, as- Biographies, Autobiographies etc.
- CO 6 Would create the power of reading skill.
- CO 7 Would provide important information about Gandhi ji, Francis Bacon, Charles Lamb, Swami Vivekanand, Joseph Addison etc.

M.A. English Final Paper - I

Study of a Period 1798 To 1914

- CO 1 Will be able to understand the different literary trends adopted in varied genres of literature like poetry, prose, drama, short stories of a particular period of English literature.
- CO 2 To analyze the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.by studying poems of poets like Wordsworth, Shelley, Keats, Tennyson etc.
- CO 3 Will be able to understand the thought and imagination contained in the poem.
- CO 4 Will ably comprehend, interpret, analyze, and evaluate fiction and non-fiction.
- CO 5 Will be able to analyze theme, character development and conflict in a given short story and novel.
- CO 6 Apply the principles of literary criticism to the analysis of poetry, fiction and drama. Will develop an ability to analyze and assess social, moral, ethical, and aesthetic values by studying drama.

M.A. English Final Paper - II

Critical Theory

- CO 1 Will be able to identify and describe key theoretical/philosophical texts like Aristotle's *Poetics*, Longinus' *On the Sublime*, Sidney's *An Apology for Poetry*, Dryden's *Essay on Dramatic Poesy*, Wordsworth's *Lyrical Ballads* Bharat Muni's *Natyashastra* etc.
- CO 2 Will be able to compare Indian Classical Theory with that of Western one.
- CO 3 Will know how literary and cultural studies have developed historically.
- CO 4 Will be able to demonstrate skills in understanding literary piece.
- CO 5 Will be able to differentiate between the techniques of early literary criticisms and Modern literary criticism.
- CO 6 Will be able to understand important theoretical methodologies by comprehending key concepts or arguments.
- CO 7 Will be competent in applying these concepts or arguments successfully in a close reading of a literary text

M.A. English Final Paper - III

"Classical / Biblical Texts and Works Based on Classical Models"

- CO 1 The students would have the knowledge about the life and works of Sophocles, Plato, Homer, Milton, Ben Jonson, Matthew Arnold, T S Eliot, E O' Neill, & Sartre.
- CO 2 The students would be able to understand the theories of Sophocles, Plato, Homer, Milton, Ben Jonson, Matthew Arnold, T S Eliot, E O' Neill, & Sartre.
- CO 3 The students would be able to critically evaluate or analyse different classical and biblical texts like Antigone, Republic (Book no 10), Odyssey (Ch 1-13), The Book of Job, and the different works based on classical models like Samson Agonistes, Every Man in His Humour, Thyrsis, The Family Reunion, Mourning Becomes Electra & The Flies.
- CO 4 The students would be able to compare and contrast the life philosophies of the great philosophers like Sophocles, Plato, Homer, Milton, Ben Jonson, Matthew Arnold, T S Eliot, E O' Neill, & Sartre.
- CO 5 The students would be able to appraise the craftsmanship of the great philosophers like Sophocles, Plato, Homer, Milton, Ben Jonson, Matthew Arnold, T S Eliot, E O' Neill, & Sartre and their contribution to the literary field.
- CO 6 The students would be able to narrate the summaries of the different classical and biblical texts like Antigone, Republic (Book no 10), Odyssey (Ch 1-13), The Book of Job, and of the different works based on classical models like Samson Agonistes, Every Man in His Humour, Thyrsis, The Family Reunion, Mourning Becomes Electra & The Flies.
- CO 7 The students would be able to write down the themes of the prescribed texts & the character sketches of the characters involved in the different prescribed texts.
- CO 8 The students would be able to demonstrate knowledge about the classical and biblical texts and gain deep knowledge about the biography of different literary writers and their critical theories.

M.A. English Final Paper - IV

20th. Century Literature

- CO 1 Be able to define the various forms of poetry .
- CO 2 Able to have knowledge about the biographies of W.H. Auden., Philip Larkin, Dylan Thomas, Ted Hughes.
- CO 3 Be able to critically analyse the works of poets.
- CO 4 Be able to explain the stanzas with reference to context and critically comments.
- CO 5 Be able to understand different form of drama tragedy, comedy, tragi-comedy.
- CO 6 Be able to know about the biographies of dramatist like author miller, Beckett.
- CO 7 Be able to understand the Drama, all my sons, Endgame.

M.A. English Final Paper - V

American Literature

- CO 1 Would learn the history of American Literature.
- CO 2 Would get knowledge of American Literature, region and society.
- CO 3 Would be helpful for those students who stress the importance of world literature to expand their knowledge.
- CO 4 Would learn the concepts of American language and its rich vocabulary.
- CO 5 Would differentiate between American and British Literature and language.
- CO 6 Would learn about American poets such as- Walt Whitman, Robert Frost, Emily Dickinson and Wallace Stevens.
- CO 7 Discuss American Drama and its varied trends through the study of it.

B.A. I History Paper-I

History of Indo From Earliest Times to 1200 AD

- CO 1 To understand the literary and Archival Sources.
- CO 2 To analyse the Pre-history, Proto-historic and Historical Age.
- CO 3 To explain about the sixth century B.C. religious movement.
- CO 4 To describe the greeb invasion and its effect.
- CO 5 To explain the Mauryan Empire – Expansion. Art and Architecture, Literature.
- CO 6 To explain Post Mauryan Empire – Different Dynasties, Society, Religion and Trade & Commerce, Art, Architecture and Literature.
- CO 7 To explain Gupta and Later Gupta Age : Art, Architecture, Literature. Relations of India with south East Asia.
- CO 8 To explain South India Special refrence with Chola Administration, Chalukya Art, and Pallava Art.
- CO 9 To explain the origin and expansion of Rajputs.
- CO 10 To explain Turkish invosions and their success in India.

B.A. I History Paper-II

World History (1453-1789 AD)

- CO 1 Understand the Decline of Feudalism in Western Europe.
- CO 2 To Explain the Renaissance – Nature and Impact.
- CO 3 To Analyse the rise of Nation States.
- CO 4 To explain the Rise and Decline of Spain.
- CO 5 To Explain the Ascendancy of France.
- CO 6 To Explain the Rise of Russia as a great power of Europe under Romonov Czars.
- CO 7 To Explain the Age of Enlightened Despotism.
- CO 8 To Analyse the American War of Independence.
- CO 9 To Explain the Age of Reason.
- CO 10 To Analyse the Condition of France on the eve of Revolution.

B.A. II History Paper - I

Political History of Medieval India (1200 to 1526 AD)

- CO 1 To understand the Literary and Archaeological Sources of Sultanate period.
- CO 2 To describe early Turkish Sultans and their achievements.
- CO 3 To Describe Khalji revolution and Khalji Sultan.
- CO 4 To Explain the Tughluq Sultans Reforms and Policy.
- CO 5 To Describe the Sayyid Sultan Problem Achievement and Administrative System.
- CO 6 To Explain the Lodi Dynasty-Policy Administration Cause of Failure.
- CO 7 To understand South Indian the Administrative Policy Art, Architecture, Literature, Society and Economy.
- CO 8 To Explain the turkish invasions and Causes of Success against the Rajputs.

B.A. II History Paper-I

Modern World (1789A.D.-1870 A.D.)

- CO 1 To analyse the Industrial Revolution.
- CO 2 To Explain the Causes of French Revolution.
- CO 3 To Discuss the Achievements of Napoleon Bonaparte.
- CO 4 To Discuss the Vienna Congress and Concert of Europe.
- CO 5 To Describe the policies of Matternich.
- CO 6 To Discuss the reasons and consequences of July Revolution 1830 and 1848 Revolution.
- CO 7 To explain the unification of Germany.
- CO 8 To explain the unification of Italy.

- CO 9 To Analyse the External and internal Affairs of Germany, Italy, France, Russia and England in the period of 1870-1914 AD.
- CO 10 To Describe the causes of World war I.

B.A. III History Paper-I

Political History of Medieval India (1526 AD – 1740 AD)

- CO 1 To Describe the Archaeological, Literary and Historical Works in the Mughal Period.
- CO 2 To Describe the establishment of Mughal Empire. The Mughal Rulers their administrative and religious policies.
- CO 3 To Describe about the movements and buildings during the Mughal and the important features of the Architecture of this period.
- CO 4 To Describe the Bhakti and Sufi movements in the Medieval Period, the main features of both movements and Bhakti Saints and Sufi Sects.
- CO 5 To Describe about the causes of the decline of Mughal Empire after Aurangzeb's Reign.
- CO 6 To Describe about the rise of Maratha under Shivaji.
- CO 7 To Describe the invasion of Nadir Shah and Ahmed Shah Abdali, Disintegration of Mughal empire and rising of regional kingdoms.
- CO 8 To Describe the Social Changes in Society, Urban, Rural, Ulemas and Position of Women.
- CO 9 To Describe about the internal and external trade and commerce, different Routes.

B.A. III History Paper-II

Political History of Modern India (1740AD-1964 AD)

- CO 1 To Describe the Advent of Europeans in India.
- CO 2 To Describe the policies and Programme of Expansion. Instruments of Expansion i.e. Diplomacy and Wars.
- CO 3 To Describe the revolt of 1857, Causes, Nature, ideology, programme, Leadership, people's participation.
- CO 4 To Analyse the emergence of organized Nationalism and Formation of Indian National Congress.
- CO 5 To Describe about the Moderates, Extremist and Revolutionaries.
- CO 6 To Explain about the Gandhian Movements.
- CO 7 To Analyse the constitutional reforms proposed by the British Government.
- CO 8 To Describe that how India finally attained and freedom the Transfer of Power.
- CO 9 To Explain the religious reforms movements of Hindu, Muslim and Sikh.
- CO 10 To Analyse the social stratification – Lower caste movement, present society.

B.A. III History

World History (1871AD-1964 AD)

- CO 1 To Explain the Domestic Policy, Foreign Policy of Bismark in Germany.
- CO 2 To Describe the Political condition of France and Foreign Policy.
- CO 3 To Describe the Splendid Isolation policy of England.
- CO 4 To Describe the home and Foreign Policy of William II.
- CO 5 To Describe the first world war – causes, events. results, Paris Peace Settlement, Treaty of versailles.
- CO 6 To Analyse the Russia, Between the two world wars.
- CO 7 To describe the Nazi Germany and Fascist Italy.
- CO 8 To Explain the Foreign Policy of France, Collective security, Disarmament efforts.
- CO 9 To Describe the Second World War – causes and results.
- CO 10 To Explain the Cold War.

M.A. Previous History

Historiography – Concept and Method

- CO. 1 To explain the meaning of history and Causation, Objectivity, Subjectivity and historicism in Historiography.
- CO. 2 To understand History's relation with other disciplines.
- CO. 3 To explain the Ancient tradition of History writing-Greco-Roman, Chinese and Indian.
- CO. 4 To explain the medieval tradition of History Writing-Western, Arabic, Persian and Indian.
- CO. 5 To explain the Modern tradition of History Writing-Positivist, Whig, Historicism, Classical Marxist and Annales.
- CO. 6 To describe different approaches of History writing-Theological, Orientalist, Imperialist, Nationalist, Marxist, Subaltern and Post-Modernist.
- CO. 7 To Explain major theories of history-Hegel, Marx, Spengler and Toynbee.
- CO. 8 To understand working Class and peasant from the perspective of historiography.
- CO. 9 To understand Gender from the perspective of historiography.
- CO.10 To Understand Environment, Science and Technology from the perspective of historiography.

M.A. Previous History Paper-I

Political History of India (1206-1526 AD)

- CO. 1 To understand the Persian Sources – Minhaj, Amir Khusrau, Zai-ud-din Barani, Shams-i-Siraj Afif, Yahya-bin-Ahmad, and Ibn-i-battuta.
- CO. 2 To understand the Nature of State.
- CO. 3 To describe Delhi Sultan's relation with Khalifa.
- CO. 4 To understand the foundation of the Delhi Sultanate.
- CO. 5 To describe Early Turkish Sultans of Delhi and Their work and Policies.
- CO. 6 To describe Khalji-Sultans and their achievements and policies.
- CO. 7 To describe Tughluq Sultans and their achievement and policies.
- CO. 8 To describe Sayyid and Lodi Sultans and their achievement and policies.
- CO. 9 To understand administrative system with particular reference to kingship, Wizarat and land revenue.
- CO. 10 To discuss the features responsible for the decline of Delhi Sultanate.

M.A. Previous History

M.A. P History of Indian Culture (From 1200-1700 AD)

- CO. 1 To understand general information about sources Persian and Non-Persian (Hindi).
- CO. 2 To discuss the Impact of Islam on Indian Culture.
- CO. 3 To describe Organisation and Structure of Medieval Indian Society.
- CO. 4 To describe Social hierarchy system – The Upper classes, the Middle classes, the Slaves, The Common People.
- CO. 5 To understand the position of women in Indian Society.
- CO. 6 To explain the development of Education system in Medieval India.
- CO. 7 To develop a critical approach towards Agriculture. Peasantry, Land Revenue system, Internal – External trade, Commerce, Workshops, Handicraft and Money and Banking.
- CO. 8 To describe evolution of Bhakti Movement and its Saints.
- CO. 9 To describe Life and teachings of Guru Nanak and evolution of Sikh Religion.
- CO. 10 To elaborate upon the main features and development of architecture, painting, gardening and music.

M.A. Previous History

History of Europe (1815 AD-1914 AD)

- CO. 1 To make understand the Europe in 1815 AD and after the Napoleon Bonapart.
- CO. 2 To Discuss the Vienna Congress and concert of Europe.
- CO. 3 To Describe the policies of Metternich.
- CO. 4 To Discuss the reasons and Consequences of July revolution 1830 and 1848 Revolution.
- CO. 5 To explain the unification of Germany.
- CO. 6 To explain the unification of Italy.
- CO. 7 To Analyse the External and Internal affairs of Germany, Italy, France, Russia, and England in the period of 1870AD-1914 AD.
- CO. 8 To Analyse the Balcan Wars (1912-13)
- CO. 9 To describe the causes of World War I.

M.A. Final History Paper-I

Twentieth Century World.

- CO. 1 To explain about the effects of Capitalism, Imperialism. Socialism and Liberalism on that World.
- CO. 2 To explain about the world war I it's causes and results.
- CO. 3 To explain the working of League of nations and collective security in Europe.
- CO. 4 To Describe the emergence of Nazis in Germany, Fascism in Italy and Militarism in Japan.
- CO. 5 To describe the World War II, Its causes and results.
- CO. 6 To elaborate the causes, consequences and events of Cold war.
- CO. 7 To discuss the disintegration of Socialist Block.
- CO. 8 To Analyse the working of U.N.O.
- CO. 9 To explain the great issues like Palestine Problem, Korean War, Cuban Crisis and Vietnam problem and Kashmir issue.

M.A. Final History

Political History of India (1526-1605 AD)

- CO 1 To understand Persian sources – Babur, Gulbadan, Begum, Jauhar, Abbas Khan Sherwani, Abul Fazal, Badauni and Nizamuddin Ahmad.
- CO 2 To analyse India's condition on the eve of Babur's invasion.
- CO 3 To describe Babur as a empire –builder.
- CO 4 To understand Babur's relation with Afghans and Rajputs and his character and personality.
- CO 5 To discuss problems of Humayun.
- CO 6 To discuss Humayun's relation with Bahadurshah and Shershah.
- CO 7 To describe Shershah's administration.
- CO 8 To find out the reasons behind the collapse of Sur Regime.
- CO 9 To describe Akbar's policies, and administration central, Provincial, Mansabdari, Land Revenue.
- CO 10 to explain Akbar's conquest of North and Deccan.

M.A. Final History

Political History of India (1605-1707 AD)

- CO 1 To understand Persian Sources- Badshahnama, Abdul Hamid Lahari, Bhim Sen Burhanpuri's, Khafi Khan, Jahangir's Tuzuk-i-jahangiri, (Nuskha-i-Dilkhash), Muntkhab-ul-Lubab.
- CO 2 To understand European Travellers's account – Bernier and Tavernier.
- CO 3 To describe Jahangir's reign and policies.

- CO 4 To describe Shahjahan's reign and policies.
- CO 5 To describe Aurangzeb's reign and policies.
- CO 6 To explain rise of Maratha Power under Shivaji.
- CO 7 To discuss Maratha State under Shambhaji, Rajaram, and Tarabai.
- CO 8 To discuss administrative system of Marathas.
- CO 9 To discuss Rajput policy, Religious Policy, Deccan Policy, North West Frontier Policy, Central Asian Policy of Jahangir, Shahjahan, and Aurangzeb.
- CO 10 To analyze the features responsible for the decline of Mughal Empire.

M.A. Final History

M.A. Final Women in Indian History

- CO 1 To explain Archival Sources – government files, official reports , census, Private papers etc.
- CO 2 To explain Non-Archival Sources-Sacred and non-sacred texts, epigraphs, diaries, memoirs, autobiographies, fictions, songs, folklore, photography, painting and oral history.
- CO 3 To discuss women within the religion – Brahmanical, non Brahmanical, Jainism, Buddhism, Islam, Sikhism and Christianity.
- CO 4 To discuss women within reform movements – Bhakti movement, Brahma Samaj, Arya Samaj, Aligarh Movement, Theosophical movement, Satya Shodhak Samaj, Sri Narayan Movement and Self – respect movement.
- CO 5 To explain legal status of women in Ancient, Medieval, Colonial and Post Independent India.
- CO 6 To describe women's contribution and role in household, Agriculture , Industry, Education and other professions .
- CO 7 To describe women's Organisations and Political participation in Colonial and Post Independent India.
- CO 8 To understand women's representation in Literature, Religious Scriptures and Historical Writing.
- CO 9 To understand women's participation in Art, Sculpture, Music, Dance, Films , Theatre and Media.
- CO 10 To Develop a critical approach towards women through the ages.

M.A. Final History

Freedom Movement of India (1857 -1947 AD)

- CO 1 To describe the revolt of 1857, Causes, nature, Ideology, programme, leadership, Masses Involvement, Reasons for Failure.
- CO 2 To Analyse the emergence of Organized nationalism Formation of Indian National Congress.
- CO 3 To Describe about the moderates, Extremist and revolutionaries.
- CO 4 To Explain about the Gandhian Movements.
- CO 5 To Analyse the constitutional reforms proposed by the British Government.
- CO 6 To Describe that how India Finally Obtained the Freedom.
- CO 7 To explain the different religious reforms movements of Hindu, Muslim and Sikhs.
- CO 8 To Analyse the social Stratification, Lower caste movement, Peasant society Position of Women.
- CO 9 To Describe the Role of I.N.A., Trial of Redfort RIN Revolt.
- CO 10 To Explain the tribal movements and Peasant movements.

बी0ए0 प्रथम वर्ष – हिन्दी भाषा

प्रथम प्रश्न पत्र – हिन्दी भाषा का विकासात्मक परिचय

1. विद्यार्थी अपभ्रंश और पुरानी हिन्दी का सम्बन्ध जान सकेंगे ।
2. हिन्दी की उपभाषाओं का सामान्य परिचय प्राप्त कर सकेंगे ।
3. काव्य भाषा के रूप में हिन्दी के विकास के विभिन्न रूपों – अवधी, ब्रज और खड़ी बोली के विकास को समझ सकेंगे ।
4. राष्ट्रभाषा के रूप में हिन्दी के विकास के अन्तर्गत
 - क) खड़ी बोली का सम्पर्क भाषा के रूप में विकास
 - ख) राजभाषा के रूप में हिन्दी के तात्पर्य और महत्व तथा
 - ग) राष्ट्रभाषा हिन्दी की समस्याओं को भति भाँति आत्मसात कर सकेंगे ।
5. देवनागरी लिपि के इतिहास, वैज्ञानिकता, सीमाएँ और संभावनाओं के साथ वर्तमान संदर्भ में इसकी सार्थकता को समझ सकेंगे ।
6. उपर्युक्त पाठ्यक्रम के अध्ययन के उपरान्त विद्यार्थी हिन्दी भाषा के विकास के विविध रूपों की पहचान कर सकेंगे और उसकी समस्याओंका विवेचन– विश्लेषण कर सकेंगे ।
7. हिन्दी की लिपि – देवनागरी लिपि का इतिहास उसकी वैज्ञानिकता उसकी – सीमाएँ – संभावनाएँ और उसे सुधार कर अद्यतन बनाने की दिशा में आने वाली कठिनाइयों का विश्लेषण कर सकेंगे ।

द्वितीय प्रश्न पत्र – हिन्दी भाषा का व्याकरणिक स्वरूप

1. विद्यार्थी हिन्दी के स्वर, व्यंजन, संज्ञा, सर्वनाम, क्रिया, विश्लेषण एवं वाक्य संरचना से परिचित हो सकेंगे ।
2. हिन्दी की शब्द संपदा से परिचित हो सकेंगे ।
3. हिन्दी के पर्यायवाची, समानार्थक, विलोमार्थक, उनके अनेकार्थक, अनेक शब्दों के बदले एक शब्द, समूहार्थक शब्द, निकटार्थी शब्दों के सूक्ष्म अर्थ भेद, समानार्थक शब्दों में भेद सीख सकेंगे ।
4. लिंग, कारक, वर्तनी, विराम चिह्नों के प्रयोग मुहावरे-लोकोक्तियों के अर्थ एवं उनके रचनात्मक प्रयोग सीख पाएँगे ।
5. हिन्दी के उपसर्ग एवं प्रत्यय की जानकारी प्राप्त कर सकेंगे ।
6. हिन्दी व्याकरण की विभिन्न कोटियों का भलि प्रकार ज्ञान और उसके अनुप्रयोग की क्षमता विकसित कर सकेंगे ।
7. विद्यार्थी लेखन / सर्जन और वाक् संप्रेक्षण की योग्यता विकसित कर सकेंगे ।

स्नातक द्वितीय वर्ष – हिन्दी भाषा

प्रथम प्रश्न पत्र – प्रयोजनमूलक हिन्दी का स्वरूप

1. विद्यार्थी प्रयोजनमूलक हिन्दी की अवधारणा से परिचित हो सकेंगे ।
2. टिप्पणी और आलेखन सीख सकेंगे ।
3. पत्राचार के विविध रूप – कार्यालयी और वाणिज्यिक पत्राचार लेखन सीख पाएँगे ।
4. पारिभाषिक शब्दावली के सैद्धान्तिक एवं व्यावहारिक पहलुओं से परिचित हो सकेंगे ।
5. संक्षेपण एवं पल्लवन का ज्ञान अर्जित कर सकेंगे ।
6. उपर्युक्त ज्ञान का अनुप्रयोग अपनी भावी वृत्ति में कर सकेंगे ।
7. कार्यालयी हिन्दी के प्रयोग में समर्थ हो सकेंगे ।

द्वितीय प्रश्न पत्र – हिन्दी की आधुनिक गद्य विधाएँ

1. कहानी – बड़े भाई साहब – प्रेमचन्द
2. रेखाचित्र – गिल्लू – महादेवी वर्मा
3. संस्मरण – घर का जोगी जोगड़ा – काशीनाथ सिंह
4. रिपोर्टाज – रिण जल धनजल – फणीश्वर नाथरेणु
5. यात्रावृत्तान्त – अरे यायावर रहेगा याद का एक अंश – अज्ञेय
6. डायरी – दिल्ली मेरा परदेश – रघुवीर सहाय

7. आत्मकथा – ‘जूठन का एक अंश – ओमप्रकाश वाल्मीकि
 8. व्यंग्य – स्वर्ग में विचार सभा का अधिवेशन – हरिशंकर परसाई
- उपर्युक्त – पाठ्यांशों के अध्ययन से विद्यार्थी इन विधाओं के तत्त्वतः अन्तर को समझ और विश्लेषित कर सकेंगे।
- प्रथम वर्ष के पाठ्यक्रम में सीखे व्याकरणिक कौशल का व्यावहारिक अनुप्रयोग उपर्युक्त पाठ्यांशों के आधार पर विद्यार्थी प्राप्त कर सकेंगे।
- उपर्युक्त पाठ्यांशों के आधार पर अपनी भाषा परिमार्जित कर सकेंगे।

स्नातक तृतीय वर्ष – हिन्दी भाषा

प्रथम प्रश्न पत्र – संचार माध्यमों में हिन्दी प्रयोग

प्रस्तुत पत्र में विद्यार्थी संचार के विभिन्न माध्यमों में प्रयुक्त हिन्दी भाषा के विविध रूपों से परिचित हो सकेंगे। यथा :

1. जनसंचार माध्यमों में भाषा की प्रकृति – बोधगम्यता एवं संप्रेषण की समस्या, भाषा का मानकीकरण – भाषा का आधुनिकीकरण और शैलीकरण की समस्या से परिचित हो सकेंगे।
2. समाचार पत्रों की हिन्दी के संदर्भ में समसामयिक सूचनाओं का भाषा पर दबाव और समाचार पत्रों की भाषा के प्रकार्य की दृष्टि से भाषा के विविध रूपों को पहचान सकेंगे।
3. दूरदर्शन की हिन्दी के अन्तर्गत दृश्य-श्रव्य सारणिका, हिन्दी भाषा पर दबाव, मनोरंजन और दूरदर्शन तथा फिल्मों की हिन्दी भाषा के संदर्भ में दृश्य-श्रव्य माध्यमों में आंगिक एवं वाचिक अभिव्यक्ति और संवाद की सहभागिता के साथ दूरदर्शन की भाषा और फिल्म की भाषा के अन्तर को समझ सकेंगे।
4. विज्ञापन की हिन्दी के अन्तर्गत विज्ञापनों की सफलता में भाषा के योगदान और भाषा प्रयोग की विशेषताओं को समझ सकेंगे।
5. रेडियो या आकाशवाणी में हिन्दी भाषा का प्रयोग, श्रव्य माध्यम में मौखिक भाषा की प्रकृति, वाचन में तान – अनुतान की समस्या, मानक उच्चारण, प्रस्तुतीकरण की स्वाभाविकता, समाचार पठन और भाषा के वैयक्तिकरण को समझने में सफल हो सकेंगे।
6. उपर्युक्त अध्ययन के उपरान्त विद्यार्थी जनसंचार के माध्यमों में हिन्दी भाषा के विविध रूप प्रकृति और प्रयोग का विश्लेषण और उनका अनुप्रयोग सीख सकेंगे।
7. अनुप्रयोग के अन्तर्गत लिखित दृश्य श्रव्य माध्यमों में भाषा के विविध प्रयोग में समर्थ हो सकेंगे।

द्वितीय प्रश्न पत्र – हिन्दी भाषा और साहित्य का इतिहास तथा काव्यांग परिचय

1. विद्यार्थी हिन्दी भाषा के स्वरूप और विकास से परिचित हो सकेंगे।
2. हिन्दी साहित्य के विभिन्न कालों की परिस्थितियों, प्रवृत्तियों प्रमुख रचनाकारों और प्रतिनिधि कृतियों से परिचय प्राप्त कर सकेंगे।
3. हिन्दी साहित्य के आधुनिक काल की कविता की प्रवृत्तियाँ और विविध वादों से परिचित हो सकेंगे तथा आधुनिक गद्य विधाओं से परिचय प्राप्त कर सकेंगे।
4. काव्यांग परिचय के अन्तर्गत काव्य के स्वरूप, काव्य हेतु, काव्य प्रयोजन के साथ रस और उसके अवयव तथा प्रमुख अलंकारों और छंदों से परिचय प्राप्त कर सकेंगे।
5. विद्यार्थी हिन्दी भाषा के साथ हिन्दी साहित्य और काव्यशास्त्रीय अंगों – उपांगों से परिचित हो सकेंगे जिससे उन्हें भाषा का संस्कार प्राप्त हो सकेगा और भाषा प्रयोग में दक्ष हो सकेंगे।

बी0ए0 प्रथम वर्ष – हिन्दी साहित्य

प्रथम प्रश्न पत्र : प्राचीन एवं मध्यकालीन काव्य

1. आदि-भक्ति-रीतिकाल सामाजिक-सांस्कृतिक परिस्थितियों एवं साहित्यिक प्रवृत्तियों का सामान्य परिचय प्राप्त कर सकेंगे।
2. द्रुत पाठ खण्ड के अंतर्गत निर्धारित आदिकालीन कवियों के व्यक्तित्व, साहित्य एवं उनके योगदान से भलिभांति परिचित हो सकेंगे।

3. भक्तिकालीन कवियों के निर्धारित पाठ की व्याख्या और विश्लेषण सीख सकेंगे ।
4. रीतिकालीन कवियों के निर्धारित पाठ की व्याख्या और विश्लेषण की क्षमता विकसित कर सकेंगे।
5. आदि-भक्ति, रीतिकालीन कवियों के साहित्यिक अवदान का आलोचनात्मक अध्ययन पर पाएँगे।
6. उपर्युक्त के अनुसार काव्य – साहित्य के अध्ययन का बोध, समझा ओर व्याख्यात्मक विश्लेषण सीख सकेंगे।

द्वितीय प्रश्न पत्र : नाटक एवं एकांकी

1. आधुनिक हिन्दी साहित्य में गद्य के विकास के साथ नाटक एवं एकांकी के विकास को समझ सकेंगे।
2. द्रुत पाठ के अंतर्गत निर्धारित नाटककारों के व्यक्तित्व एवं नाट्य साहित्य में उनके योगदान से परिचय प्राप्त कर सकेंगे ।
3. नाटक / एकांकी के तत्वों तथा उसके अंतर को जान सकेंगे । नाट्यलोचन के सिद्धान्त से परिचित हो सकेंगे।
4. निर्धारित पाठ के अन्तर्गत नाटक एवं एकांकियों का अध्ययन, व्याख्या एवं विश्लेषण का बोध प्राप्त कर सकेंगे।
5. नाटककार प्रसाद की नाट्य दृष्टि और उनके योगदान को समझ पाएँगे ।
6. नाट्य / एकांकी कला की दृष्टि से नाटक / एकांकी का मूल्यांकन कर पाएँगे ।

बी0ए0 द्वितीय वर्ष : आधुनिक हिन्दी काव्य

प्रथम प्रश्न पत्र : आधुनिक हिन्दी काव्य

1. विद्यार्थी साहित्य को समझने, साहित्य का आस्वादन तथा मूल्यांकन की दृष्टि विकसित कर सकेंगे ।
2. मैथिलीकरण गुप्त के व्यक्तित्व एवं कृतित्व तथा साकेत के अष्टम् सर्ग में अभिव्यक्त युगीन समस्या से परिचित हो सकेंगे ।
3. छायावादी कवि प्रसाद के व्यक्तित्व व कामायनी के उदात्त भाव का जान सकेंगे ।
4. निराला जी के व्यक्तित्व व कृतित्व को जानेंगे ।
5. पन्त की काव्य रचना का परिचय व उनका काव्य वैशिष्ट्य जान सकेंगे ।
6. आधुनिक मीरा कही जाने वाली महादेवी की विरह-वेदना को आत्मसात कर सकेंगे ।
7. दिनकर के व्यक्तित्व व कृतित्व के राष्ट्रीय चेतना के स्वर से अवगत हो सकेंगे ।
8. द्रुत पाठ के साहित्यकारों के व्यक्तित्व एवं कृतित्व से गहन परिचय तथा उनके योगदान के मूल्यांकन की समझ –विकसित कर सकेंगे ।

द्वितीय प्रश्न पत्र

1. विद्यार्थी साहित्य को समझने, साहित्य का आस्वादन तथा मूल्यांकन की दृष्टि विकसित कर सकेंगे ।
2. हिन्दी साहित्य के आधुनिक साहित्यकारों तथा साहित्य से गहन परिचय कर सकेंगे साथ ही गद्य विधाओं में तार्किक अन्तर का परिज्ञान कर सकेंगे ।
3. कहानी तथा उपन्यास की महत्ता व अन्तर से परिचित हो सकेंगे ।
4. भगवती चरण वर्मा प्रणीत चित्रलेखा उपन्यास के कथानक से परिचित हो सकेंगे ।
5. चित्रलेखा उपन्यास के मूलप्रश्न “पाप और पुन्य” से अवगत हो सकेंगे ।
6. श्री लाल शुक्ल के रागदरबारी उपन्यास के कथ्य एवं उद्देश्य से अवगत हो सकेंगे ।
7. राग दरबारी में निहित व्यंग को उभारने में भाषा की प्रमुखता से अवगत हो सकेंगे ।
8. कहानी संकलन में निहित साहित्यकारों के कृतित्व से परिचय हो सकेंगे ।
9. द्रुत पाठ के साहित्य कारों के कृतित्व एवं व्यक्तित्व से गहन परिचय कर सकेंगे ।

चित्रलेखा (उपन्यास) भगवती चरण वर्मा

1. हिन्दी उपन्यास की विकास यात्रा ।
2. चित्रलेखा उपन्यास के प्रमुख पात्रों का चारित्रिक वैशिष्ट्य ।
3. चित्रलेखा, उपन्यास के महत्वपूर्ण अंशों एवं सूक्तियों की प्रसंग सहित व्याख्या ।
4. चित्रलेखा उपन्यास से महत्वपूर्ण निर्धारित आलोचनात्मक प्रश्नों का विश्लेषण ।

5. उपन्यास के तत्वों के आधार पर चित्रलेखा उपन्यास की समीक्षा ।

हिन्दी साहित्य – कहानी संकलन

6. पाठ्यक्रम में निर्धारित कहानियों से महत्वपूर्ण अंशों एवं सूक्तियों की प्रसंग सहित व्याख्या ।
7. संकलन में संकलित सभी कहानियों के प्रमुख पात्रों की चारित्रिक विशेषताएँ ।
8. हिन्दी कहानी की विकास यात्रा ।
9. संग्रह में संकलित सभी कहानियों की कहानी-कला के तत्वों के आधार पर आलोचना ।
10. पाठ्यक्रम में निर्धारित कहानीकारों की कहानी कला का वैशिष्ट्य ।

बी0ए0 तृतीय वर्ष

प्रथम प्रश्न पत्र : हिन्दी साहित्य

1. सच्चिदानंद हीरानंद वात्स्यापन अज्ञेय की कविताओं का मर्म।
2. शमशेर बहादुर सिंह की निर्धारित कविताओं के आधार पर उनकी कविताओं का वैशिष्ट्य ।
3. नागार्जुन के काव्य में प्रगतिशील चेतना की अभिव्यक्ति और उसका स्वरूप ।
4. भवानी प्रसाद मिश्र के काव्य में जनपक्षधरता ।
5. गजानन माधव 'मुक्तिबोध के काव्य में फैंटेसी का निहितार्थ ।
6. धर्मवीर भारती का काव्य कौशल ।
7. नरेश मेहता की कविताओं में निहित काव्य सौन्दर्य ।

द्वितीय प्रश्न पत्र : हिन्दी साहित्य

हिन्दी निबन्ध तथा अन्य गद्य विधायें

1. निबन्ध और उसके प्रकारों का सैद्धान्तिक परिचय प्राप्त कर सकेंगे।
2. उपर्युक्त परिचयोपरान्त विविध प्रकार के निबन्धों में अन्तर का बोध विकसित कर सकेंगे।
3. निर्धारित पाठों के महत्वपूर्ण अंशों की गहन व्याख्या कर पाएँगे।
4. निर्धारित पाठों के निबन्धकारों की शैली का विश्लेषण कर सकेंगे।
5. द्रुत पाठ के अन्तर्गत निर्धारित निबन्धकारों के व्यक्तित्व एवं रचना कर्म का परिचय प्राप्त कर सकेंगे।
6. अन्य गद्य विधाओं के अन्तर्गत – रेखाचित्र, संस्मरण – यात्रावृत्तान्त और व्यंग्य विधाओं के सैद्धान्तिक स्वरूप से परिचित हो सकेंगे।
7. उपर्युक्त विधाओं के सैद्धान्तिक परिचय और बोध के आधार पर निर्धारित पाठों का विश्लेषण कर सकेंगे।
8. निर्धारित पाठों के महत्वपूर्ण अंशों की व्याख्या में समर्थ हो सकेंगे।
9. द्रुतपाठ के अन्तर्गत निर्दिष्ट विभिन्न लेखकों के साहित्यिक व्यक्तित्व और लेखन से परिचित हो सकेंगे।
10. समग्रता में हिन्दी गद्य के सामर्थ्य और विस्तार से परिचित हो सकेंगे।

तृतीय प्रश्न पत्र – क्षेत्रीय भाषा और साहित्य

1. प्रस्तुत पत्र में विद्यार्थी क्षेत्रीय भाषा के रूप में ब्रजभाषा और उसके निर्धारित पाठ्य साहित्य का अध्ययन कर ब्रज क्षेत्र की भाषा और उसके साहित्य से परिचित हो सकेंगे ।
2. ब्रजलोक साहित्य से परिचित हो सकेंगे ।
3. ब्रजभाषा के रचनाकार और रचनाओं से परिचित हो सकेंगे ।
4. आलोचनात्मक अध्ययन के साथ निम्न पाठ्यांशों की व्याख्या कर सकेंगे
 1. सत्यनारायण कविरत्न विरचित भ्रमरदूत के पाँच स्तवक
 2. गया प्रसाद शुक्त सनेही विरचित प्रेम पचीसी के बीस छन्द
 3. जगन्नाथ दास रत्नाकर विरचित उद्धव शतक के बीस छन्द तथा
 4. डॉ० जगदीश गुप्त विरचित छन्दशती से बीस छन्द का अध्ययन कर सकेंगे ।
5. उपर्युक्त रचनाकारों एवं रचनाओं के साहित्य का आलोचनात्मक अध्ययन कर पाएँगे ।
6. क्षेत्रीय भाषा – ब्रजभाषा की भाषा और संस्कृति से भली-भाँति परिचित हो सकेंगे ।
7. ब्रज की लोक संस्कृति के विविध रंगों से सराबोर हो सकेंगे ।
8. विशिष्ट अध्ययन से व्यापक हिन्दी प्रदेश के एक क्षेत्र के जीवनानुभवों को आत्मसात कर सकेंगे ।

एम0ए0 पूर्वाह्न हिन्दी

प्रथम प्रश्न पत्र : नाटक

1. ऐतिहासिक नाटककार के रूप में जयशंकर प्रसाद के योगदान से परिचित हो सकेंगे ।
2. प्रसाद की नाट्यशैली से परिचित हो सकेंगे ।
3. नाटक के तत्वों के आधार पर स्कन्दगुप्त नाटक से अगवत हो सकेंगे ।
4. स्कन्द गुप्त नाटक अतीत के पटल पर रचित वर्तमान समस्याओं के निरूपण से अवगत हो सकेंगे ।
5. प्रसाद के उदात्त भाव से परिचित हो सकेंगे ।
6. स्कन्द गुप्त नाटक से भारतीय एवं पाश्चात्य नाटक के सम्मिलित अनुप्रयोग को समझ सकेंगे ।

प्रथम प्रश्न पत्र : आधुनिक गद्य साहित्य (कथा सप्तक – सं0 डॉ0 हरिचरण शर्मा)

- 1 संग्रह में संकलित कहानियों के महत्व पूर्ण अंशों एवं सूक्तियों की प्रसंग सहित व्याख्या ।
- 2 कथा सप्तक में संकलित सभी कहानियों के प्रमुख पात्रों का चारित्रिक वैशिष्ट्य ।
- 3 कहानी कला के तत्वों के आधार पर सभी संकलित कहानियों की समीक्षा ।

प्रथम प्रश्न पत्र : आधुनिक गद्य साहित्य (गोदान प्रेमचन्द)

1. गोदान के महत्वपूर्ण अंशों एवं सूक्तियों की व्याख्या एवं मर्म
2. गोदान के प्रमुख पात्रों का चारित्रिक वैशिष्ट्य एवं उनका गोदान की कथावस्तु के विकास में योगदान।
3. गोदान की किसान गाथा और सम्बन्धित उपकथाओं का परिचय एवं महत्व ।
निबन्ध संग्रह
4. हिन्दी निबन्ध – विधा का विकास तथा महत्वपूर्ण निबन्धकारों का परिचय एवं महत्व ।
5. पाठ्यक्रम में निर्धारित निबन्धों के महत्वपूर्ण अंशों की व्याख्या ।
6. पाठ्यक्रम में निर्धारित प्रमुख निबन्धकारों की निबन्ध कला का वैशिष्ट्य

प्रथम प्रश्न पत्र : आधुनिक गद्य साहित्य

चिंतामणि के दो निबंध – कविता क्या है तथा साधारणीकरण और व्यक्ति वैचित्र्यवाद का अध्यापन

1. हिन्द गद्य विकास, विकास और निबंध के इतिहास का सामान्य परिचय प्राप्त कर सकेंगे ।
2. निबंध के तत्त्व एवं प्रकारों से परिचित हो सकेंगे ।
3. निबंधकार के रूप में आचार्य रामचन्द्र शुक्ल के अवदान से परिचित हो पायेंगे ।
4. आचार्य रामचन्द्र शुक्ल की निबन्ध शैली से परिचय प्राप्त कर सकेंगे ।
5. पाठ्य निबंध **कविता क्या है** का आलोचनात्मक अध्ययन, विश्लेषण एवं मूल्यांकन कर पायेंगे ।
6. पाठ्य निबंध साधारणीकरण के शास्त्रीय पक्ष और मतों को जान सकेंगे तथा आचार्य रामचन्द्र शुक्ल की साधारणीकरण संबंधी नयी दृष्टि से परिचित हो सकेंगे ।
7. निबंध / साहित्यिक निबंध / आलोचना के बीच के अंतर को समझ सकेंगे ।
8. आचार्य रामचन्द्र शुक्ल की आलोचना भाषा की विशेषताओं को भली भाँति जान सकेंगे ।
9. द्रुतपाठ के अन्तर्गत निबंधकार सरदार पूर्ण सिंह की निबंध रचना, शैली एवं हिन्दी निबंध के क्षेत्र में उनके अवदान का सम्यक् परिचय प्राप्त कर सकेंगे ।

द्वितीय प्रश्न पत्र : प्राचीन एवं मध्यकालीन काव्य

पाठ्य कवि – चंदबरदायी, विद्यापति, कबीर एवं जायसी की कविताओं के निर्धारित अंश

1. आदिकाल एवं भक्तिकाल की ऐतिहासिक एवं सामाजिक-सांस्कृतिक पृष्ठभूमि से परिचित हो सकेंगे और भक्ति आंदोलन के विकास को समझ सकेंगे ।
2. चंदबरदायी कृत पृथ्वीराज रासो के पाठ्यांश पद्मावती समय की व्याख्या और रासो के काव्य सौंदर्य से परिचित हो सकेंगे ।
3. भक्तिकाल की दार्शनिक पृष्ठभूमि से परिचित हो सकेंगे ।
4. विद्यापति की काव्य संवेदना से परिचित हो सकेंगे तथा निर्धारित पाठ्यांशों के महत्वपूर्ण अंशों की व्याख्या समझ सकेंगे ।
5. कबीर की – काव्य संवेदना के सामाजिक सरोकार से परिचित हो पाएँगे तथा निर्धारित पाठ के मुख्य अंशों की व्याख्या समझेंगे ।

6. प्रेमाख्यान काव्य की परंपरा में जायसी के अवदान से परिचित हो सकेंगे । नागमती के विरह वर्णन-के वैशिष्ट्य को जान सकेंगे । पद्मावत के निर्धारित पाठ के महत्वपूर्ण अंशों की व्याख्या कर सकेंगे ।

7. उपर्युक्त के आलोचनात्मक मूल्यांकन में समर्थ हो पाएँगे ।

द्वितीय प्रश्न पत्र : प्राचीन एवं मध्यकालीन काव्य (धनानंद कवित्त – सं० आचार्य विश्वनाथ प्रसाद मिश्र)

- 1 धनानंद कवित्त में संकलित निर्धारित काव्यांशों की प्रसंग सहित व्याख्या ।
- 2 धनानंद की प्रेम पद्धति पर सोदाहरण प्रकाश डालिए ।
3. रीतिमुक्त काव्य धारा की प्रमुख विशेषताएँ बताते हुए उसमें धनानंद का स्थान निर्धारित कीजिए ।

बिहारी रत्नाकर-सं० जगन्नाथ दास रत्नाकर

4. बिहारी रत्नाकर में संकलित निर्धारित काव्यांशों की प्रसंग सहित व्याख्या कीजिए ।
5. बिहारी सतसई की विशेषताओं का मुक्तक – काव्य की दृष्टि से विश्लेषण कीजिए ।

मध्यकालीन काव्य : द्वितीय प्रश्न पत्र तुलसीदास (विनय पत्रिका का विकास एवं उत्तरकाण्ड: रामचरित मानस)

6. विनय पत्रिका के निर्धारित काव्यांशों की व्याख्या एवं साहित्यिक सौन्दर्य
7. उत्तरकाण्ड रामचरित मानस के निर्धारित काव्यांशों की व्याख्या एवं विशेषताएँ
8. तुलसीदास की काव्य चेतना और विनय पत्रिका का महत्व ।

तृतीय प्रश्न पत्र : हिन्दी साहित्य का इतिहास

1. इतिहास, साहित्य का इतिहास दर्शन और हिन्दी साहित्य के इतिहास लेखन की परंपरा से परिचित हो सकेंगे
2. हिन्दी भाषा एवं साहित्य का उद्भव और विकास जानेंगे ।
3. आदिकालीन साहित्य की प्रमुख प्रवृत्तियों को जानेंगे ।
4. भक्तिकाल के उदय में आदिकालीन साहित्य के योगदान को जानेंगे ।
5. आदिकाल के प्रमुख रचनाकारों की प्रमुख कृतियों का आलोचनात्मक परिचय जानेंगे ।
6. भक्तिकाल : ऐतिहासिक पृष्ठभूमि भक्ति-आन्दोलन एवं विभिन्न काव्य धाराएँ ओर उनका वैशिष्ट्य तथा सूफी काव्य में भारतीय संस्कृति एवं लोक जीवन के तत्व ।
7. रीतिकाल : ऐतिहासिक पृष्ठभूमि, दरबारी संस्कृति और लक्षण ग्रन्थों की परम्परा एवं रीतिकालीन साहित्य की विभिन्न धाराओं का विकास एवं प्रवृत्तियाँ ।
8. आधुनिकता का उदय और उसका साहित्य पर प्रभाव जानेंगे ।
9. आधुनिक काल की प्रमुख प्रवृत्तियों को जानेंगे ।
10. आधुनिक कविता की भाषा के रूप में खड़ी बोली के विकास का आलोचनात्मक मूल्यांकन समझेंगे ।
11. आधुनिक कविता के विभिन्न युगों वादों (भारतेन्द्र युग, द्विवेदी युग, छायावाद, प्रगतिवाद, प्रयोगवाद, नयी कविता आदि) की प्रमुख प्रवृत्तियों और परिस्थितियों का आलोचनात्मक मूल्यांकन जानेंगे ।
12. आधुनिक काल की प्रमुख विशिष्टता हिन्दी गद्य के उद्भव और विकास को जानेंगे ।
13. हिन्दी गद्य की विभिन्न विधाओं (कहानी, उपन्यास, नाटक, एकांकी, यात्रावृत्ति, जीवनी, आत्मा आदि) का आलोचनात्मक मूल्यांकन जानेंगे ।

चतुर्थ प्रश्न पत्र : भाषा विज्ञान एवं हिन्दी भाषा

- 1 भाषा वैज्ञानिक दृष्टि से भाषा की परिभाषा, अभिलक्षण और उसके अध्ययन की ऐतिहासिक और तुलनात्मक दृष्टियों से परिचय प्राप्त कर सकेंगे ।
- 2 भाषा विज्ञान की शाखा स्वनविज्ञान का गहन अध्ययन कर किसी भाषा को स्वनिमिक अध्ययन कर सकेंगे ।
- 3 भाषा अध्ययन में व्याकरणिक कोटियों का अध्ययन तथा विश्लेषण सीख सकेंगे ।
- 4 साहित्य अध्ययन में भाषा – विज्ञान के विविध अंगों के आधार पर समीक्षण और आस्वादन प्राप्त कर सकेंगे ।

5. भाषा-विज्ञान की शाखा अर्थ विज्ञान की दृष्टि से शब्द और अर्थ के दृष्टियों से विश्लेषण सीख सकेंगे ।
6. हिन्दी भाषा का विकास, विशेषताएं और वर्गीकरण से परिचय प्राप्त कर सकेंगे ।
7. हिन्दी के भौगोलिक विस्तार के अन्तर्गत हिन्दी की उपभाषाओं से परिचय तथा उनकी विशेषताओं का तुलनात्मक दृष्टि से बोध कर सकेंगे ।
8. हिन्दी भाषा के भाषिक स्वरूप से परिचय हो सकेंगे ।
9. हिन्दी के विविध रूपों, संवैधानिक स्थिति तथा हिन्दी में कम्प्यूटर की सुविधाओं से परिचित हो सकेंगे ।
10. देवनागरी लिपि की विशेषताएं और मानवीकरण की स्थितियों का अध्ययन कर सकेंगे ।

एम0ए0 उत्तरार्द्ध (हिन्दी)

प्रथम प्रश्न पत्र : आधुनिक हिन्दी काव्य

1. आधुनिक काल की सांस्कृतिक एवं साहित्यिक प्रवृत्तियों से परिचित हो सकेंगे ।
2. साकेत (मैथिलीशरण गुप्त) के नवम सर्ग के महत्वपूर्ण अंशों की व्याख्या एवं काव्यगत सौन्दर्य ।
3. साकेत में उर्मिला का चारित्रिक वैशिष्ट्य ।
4. छायावादी काव्य की विविध प्रवृत्तियों से परिचित होंगे ।
5. प्रसाद, निराला और पंत की काव्य संबंधी विशेषताओं को पहचान सकेंगे ।
6. उपर्युक्त कवियों के निर्धारित पाठ –कामायनी (इड़ा-काम-रहस्य) राम की शक्तिपूजा-कुंजमुक्ता तथा परिवर्तन, नौकाविहार आदि कविताओं की व्याख्या और विश्लेषण सीख पाएँगे ।
7. छायावादी कविता तथा अन्य वाद की कविताओं में अंतर और तुलना कर पाएँगे ।
8. छायावादी कविता का विश्लेषण सीख सकेंगे ।
9. छायावादी कविता की विविध प्रवृत्तियों का लेखन एवं विवेचन कर सकेंगे ।
10. छायावादी कवियों एवं कविताओं का मूल्यांकन कर पाएँगे ।
11. रामधारी सिंह दिनकर के काव्य उर्वशी के निर्धारित अंशों की व्याख्या एवं साहित्यिक सौन्दर्य ।
12. उर्वशी काव्य का वैशिष्ट्य ।

द्वितीय प्रश्न पत्र : काव्यशास्त्र एवं साहित्यालोचन (पाश्चात्य काव्यशास्त्र एवं अलोचना)

1. भारतीय काव्य शास्त्र का विकास ।
2. काव्य की परिभाषा, लक्षण एवं काव्य के प्रकार ।
3. काव्य हेतु एवं काव्य प्रयोजन के सम्बन्ध में प्रमुख आचार्यों के मत मतान्तर ।
4. प्रमुख काव्य – सम्प्रदायों का परिचय एवं आचार्यों के अभिमत ।
5. प्रमुख काव्य – सम्प्रदायों की समीक्षा ।
6. आधुनिक साहित्य-समीक्षा में भारतीय काव्य सम्प्रदायों का महत्व ।
7. पाश्चात्य आलोचना के इतिहास से परिचित हो सकेंगे ।
8. यूनानी काव्य शास्त्रियों के विभिन्न सिद्धान्तों, मान्यताओं एवं धारणाओं से परिचित हो पाएँगे ।
यथा-
 1. प्लेटो के काव्य सिद्धान्त
 2. अरस्तू के अनुकरण, विवेचन एवं त्रासदी सिद्धान्त
 3. लॉजाइनस के उदात्त की अवधारणा आदि
9. मैथ्यू आर्नल्ड के आलोचना के स्वरूप एवं प्रकार और टी0एस0 इलियट की परम्परा एवं वैयक्तिक प्रतिभा अंश, निर्वैयक्तिकता, वस्तुनिष्ठ समीकरण तथा संवेदनशीलता का असाहचर्य की धारणाओं को आत्मसात कर पाएँगे ।
10. अभिजात्यवाद, स्वच्छंदतावाद, अभिव्यंजनावाद, मार्क्सवाद, मनोविश्लेषण तथा अस्तित्ववाद की धारणाओं से परिचय प्राप्त कर सकेंगे ।
11. हिन्दी आलोचना शास्त्र के विविध प्रकारों का ज्ञान प्राप्त कर सकेंगे ।

12. उपर्युक्त अध्ययन के उपरान्त विद्यार्थी साहित्य – अध्ययन विश्लेषण मूल्यांकन की अपनी धारणा विकसित कर सकेंगे और साहित्य का मूल्यांकन कर सकेंगे ।

तृतीय प्रश्न पत्र : भारतीय साहित्य

1. भारतीय साहित्य की अवधारणा; परिकल्पना, स्वरूप, अध्ययन की समस्याओं पर विचार कर सकेंगे।
2. भारतीयता के समाजशास्त्र तथा सांस्कृतिक मूल्यों से परिचित हो सकेंगे ।
3. भारतीय साहित्य के महत्वपूर्ण घटक का सामान्य परिचय प्राप्त कर सकेंगे ।
4. गुजराती साहित्य के इतिहास का सामान्य परिचय एवं हिन्दी साहित्य के इतिहास के तुलनात्मक अध्ययन से तुलनात्मक अध्ययन की दृष्टि सीख सकेंगे ।
5. भारतीय साहित्य की विविध विधाओं का आलोचनात्मक अध्ययन –
 - (1) अग्नि गर्भ – (महाश्वेता देवी) बंगला उपन्यास का समकालीन सामाजिक सन्दर्भ में विवेचन कर सकेंगे ।
 - (2) कोच्चि के दरखत – (के०जी० शर्मा पिल्लई) मलयालम काव्य संकलन की कविताओं का विश्लेषणात्मक अध्ययन कर पायेंगे।
 - (3) घासीराम कोतवाल (विजय तेंदुलकर) मराठी नाटक की अंतरवस्तु का समकालीन भारतीय राजनीतिक परिप्रेक्ष्य में साहित्य के सर्वजनीन अपील को समझ सकेंगे ।

चतुर्थ प्रश्न पत्र : प्रयोजन मूल हिन्दी

कामकाजी हिन्दी

1. हिन्दी के विभिन्न रूप – सर्जनात्मक भाषा, संचार भाषा, माध्यम भाषा, राजभाषा एवं मातृभाषा ।
2. कार्यालयी हिन्दी के प्रमुख प्रकार्य, पत्र लेखन, संक्षेपण, पल्लवन एवं टिप्पणी लेखन ।
3. पारिभाषिक शब्दावली – स्वरूप एवं महत्व ।
4. कम्प्यूटर – परिचय, उपयोग तथा क्षेत्र और इंटरनेट संपर्क उपकरणों का परिचय एवं रख-रखाव ।

पत्रकारिता

5. पत्रकारिता स्वरूप एवं विविध प्रकार ।
6. साक्षात्कार, पत्रकार वार्ता एवं प्रेस प्रबन्धन ।
7. प्रेस कानून एवं आचार संहिता ।

मीडिया लेखन

8. मीडिया लेखन, जन संचार प्रौद्योगिकी एवं चुनौतियाँ । समाचार लेखन, पटकथा लेखन तथा साहित्य की विधाओं का दृश्य माध्यमों में रूपान्तरण टेली-ड्रामा / डॉक्यू ड्रामा और संवाद लेखन व विज्ञापन की भाषा ।

अनुवाद – सिद्धान्त एवं व्यवहार :

9. अनुवाद का स्वरूप, क्षेत्र एवं प्रविधि तथा कार्यालयी हिन्दी और जन संचार माध्यमों में अनुवाद की उपयोगिता
10. वैज्ञानिक तकनीकी तथा प्रौद्योगिकी के क्षेत्र में अनुवाद की उपयोगिता तथा साहित्यिक अनुवाद के सिद्धान्त एवं व्यवहार और अनुवाद पुनरीक्षण एवं मूल्यांकन।

पंचम प्रश्न पत्र – वैकल्पिक पत्र – सूरदास : एक कवि का विशेष अध्ययन

1. विद्यार्थी पूर्व मध्यकालीन साहित्य – भक्तिकालीन साहित्य के अन्तर्गत आने वाली सगुण भक्ति शाखा के तहत भक्ति शाखा के सामान्य परिचय के साथ सूर के पंथ गहन अध्ययन प्राप्त कर सकेंगे जिसमें पुष्टिमार्गीय भक्ति और शुद्धाद्वैतवादी दर्शन से भली भाँति परिचित होंगे ।
2. सूर के समय की सामाजिक, राजनीतिक, धार्मिक परिस्थिति से परिचित हो सकेंगे । इसका ऐतिहासिक बोध प्राप्त कर सकेंगे ।
3. सूर साहित्य के विविध आयामों से परिचित होकर भक्ति कालीन साहित्य का बहुआमी समय अध्ययन में समर्थ हो सकेंगे जिसमें भाव पक्ष और कला पक्ष के विविध आयाम सम्मिलित होंगे ।
4. सूर काव्य में निर्धारित पदों की व्याख्या सीख सकेंगे । और निहित सिद्धान्तों का विश्लेषण कर पायेंगे ।

5. विभिन्न दृष्टियों से सूर साहित्य का मूल्यांकन करने में समर्थ हो पायेंगे ।
6. भक्तिकालीन साहित्य के समग्र मूल्यांकन की दृष्टि विकसित कर सकेंगे ।

षष्ठ प्रश्न पत्र – मौखिकी

मौखिकी के अन्तर्गत सम्पूर्ण पाठ्यक्रम से विद्यार्थियों से मौखिक प्रश्न पूछे जायेंगे जिनका मौखिक उत्तर विद्यार्थी दे सकेंगे ।

DEPARTMENT OF POLITICAL SCIENCE

B.A. -I, Paper – I (Political Theory)

- CO 1 To discuss meaning, nature and scope of Political Science.
- CO 2 To describe the relevance of different approaches in understanding Political Science as a discipline.
- CO 3 Describe the nature, origin and ends of state.
- CO 4 To analyse different Theories of State Action
- CO 5 To discuss the forms and importance of the concepts of Justice, Liberty and Equality.
- CO 6 To analyse and understand the importance of the Concepts of Sovereignty and Law.
- CO 7 To explain different forms of Government in Political Science.
- CO 8 To assess the role played by Public Opinion, Political Parties, Pressure Groups, Electoral Systems and Secularism.

B.A. -I, Paper – II

National Movement and Constitution of India

- CO 1 To describe the Birth and Growth of Nationalism in India.
- CO 2 Describe the role played by the Indian National Congress and the Moderates and the Extremists in Indian National Movement.
- CO 3 To discuss the Landmarks of Indian National Movement : Non-Cooperation, Civil Disobedience, Quit India Movements and The Independence Act 1947.
- CO 4 To understand the making and salient features of Indian constitution.
- CO 5 To describe the Fundamental Rights and Duties, Directive Principles of State Policy, Indian Federal Systems and Centre – State Relations.
- CO 6 To analyse the Union Government – The President, The Prime Minister and The Council of Ministers of India.
- CO 7 To discuss the structure and role played by the Parliament and the supreme Court in India.
- CO 8 To describe the State Government – The Legislature, The Executive and the High Court of India
- CO 9 To discuss the structure and role played by Panchayati Raj System in India.

B.A. -II, Paper – I

Outline History of Western Political Thought

- CO 1 To explain major concepts given by Plato.
- CO 2 To describe different concepts explained by Aristotle.
- CO 3 To discuss major concepts explained by Cicero.
- CO 4 To describe the main characteristic features of Medieval Political Thought along with the concepts given by St. Aquinas.
- CO 5 To explain critically the thoughts of Machiavelli and Jean Bodin.
- CO 6 To explain the Social Contract Theories given by Hobbes, Locke and Rousseau.
- CO 7 To describe the thoughts of Jeremy Bentham and J. S. Mill.
- CO 8 To explain the major concepts explained by Herbert Spencer and Karl Marx.
- CO 9 To highlight the chief concepts given by T. H. Green and H. J. Laski.

B.A. -II, Paper – II

Comparative Governments

- CO 1 To explain General Features and Constitutional Conventions of the Constitution of United Kingdom.
- CO 2 To analyse the Cabinet System, Rule of Law and Party System elaborated in the Constitution of United Kingdom.
- CO 3 To highlight the General Features, concept of Federalism and the Institution of President explained in the Constitution of U.S.A.
- CO 4 To explain the structure and functions of Congress and Federal Judiciary, Methods of Amendment of Constitution and Party system analysed in the Constitution of U.S.A.
- CO 5 To describe the main features, structures and functions of the organs of government explained in the Constitution of Switzerland.
- CO 6 to explain devices of Direct Democracy and the Methods of Amendment elaborated in the Constitution of Switzerland.
- CO 7 To elaborate the making of the Constitution of the Fifth Republic and analyse its features also.
- CO 8 To describe the organs of the Government and the Judicial System / Administrative Law explained in the Constitution of France.

B.A. -I, Paper – III (Political Theory)

- CO 1 To learn and understand the Political Sociological thought of two Ancient Indian Thinkers Manu and Kautilya.
- CO 2 To discuss Indian Renaissance and Political Thought of Raja Ram Mohan Roy.
- CO 3 To understand Liberal Political Thought of Gopal Krishna Gokhale and Mahadeo Govind Ranade.
- CO 4 To discuss the extremist view of Bal Gangadhar Tilak and Aurobindo Ghosh.
- CO 5 To understand the Nationalist thought of Swami Vivekanand.
- CO 6 To analyze and understand Mahatma Gandhi's thought in broader Political Social and Economic Perspectives.
- CO 7 To discuss India's first Prime Minister Pt. J. L. Nehru's Political Philosophy.
- CO 8 To learn and understand M. N. Roy's New Humanism.

B.A. -I, Paper – III

Principles of Public Administration

- CO 1 To Describe meaning, Nature and scope of Public Administration.
- CO 2 To understand relation of Public Administration with other Social Sciences.
- CO 3 To Discuss the Role of Public Administration in the Modern State System.
- CO 4 To discuss the role of Executive in Policy Implementation.
- CO 5 To analyze and understand the Principles of Organizations.
- CO 6 To understand the role of Personnel administration in relation to various aspects such as Recruitment, Training and Promotion.

B.A. - III, Paper – III

International Politics

- CO 1 To describe meaning, nature and scope of International Politics.
- CO 2 To discuss different theories and approaches to study International Politics.
- CO 3 To learn the key concepts of International Politics such as Power, Security and Collective Security.
- CO 4 To describe Foreign Policy and its Determinants and Main Principles of India's Foreign Policy.
- CO 5 To analyze and understand the Non Alignment Movement.

- CO 6 To understand the Cold War and its impact on International System.
CO 7 To discuss the role of International and Regional organizations.

M.A. Previous, Paper – II

Comparative Politics

- CO 1 To discuss different approaches to study Comparative Politics.
CO 2 To explain the concepts of Political Culture and Political Socialization.
CO 3 To discuss the concept of Constitutionalism.
CO 4 To describe Classes and Political Elite.
CO 5 To analyse the concept of Political Parties, Pressure Groups and Social Movements.
CO 6 To describe the concept of Political Development.
CO 7 To understand the Theories of State and Theories of Political Conflict.
CO 8 To explain the Theories of Social Change.

M.A. Previous, Paper – E (Group - B)

International Organization

- CO 1 To describe the evolution and development of International Organisations from its inception till present time.
CO 2 To determine that it focusses on the International Disputes that confront the countries.
CO 3 To study in-depth the structure and function of UNO including importance of Veto Power.
CO 4 To describe the ways adopted by UNO for Peaceful Settlement of Disputes and Enforcement Action.
CO 5 To analyse the shift of UNO from Political and Security consideration to Social, Economic and Humanitarian concern.
CO 6 To describe the organization responsible for Economic and Social Development including IMF, World Bank, WHO, ILO, etc.
CO 7 To understand Codification and Guarantees of Human Rights.
CO 8 To determine the role of United Nations in the Post cold War Era.
CO 9 To analyse from the perspective of whether it has lived upto the expectations, hope and aspirations of its architects.

M.A. Previous, Paper – I

Indian Govt. and Politics

- CO 1 To describe the composition and working of the Constituent Assembly.
CO 2 To understand the aim of Indian Constitution which was intended to provide a Framework for a Modern, Secular and Democratic society.
CO 3 To determine the importance and limitation on Fundamental Rights of a citizen.
CO 4 To describe the Federation and its working with reference to Centre-state relations and their areas of tension.
CO 5 To identify the Amendment Process which bring change in the Constitution to cope with changing conditions.
CO 6 To understand the functioning of theoretical and practical executives at the centre and state level.
CO 7 To analyse the independence and functioning of Judicial System India.
CO 8 To classify the nature and working of Political Parties and Pressure Groups
CO 9 To examine the greater democratic expansion of a system to cope with new challenges originated by liberalization, Privatization and Globalization.
CO 10 To analyse Success and Failure of Political Systems on the basis of Last 68 years of working.

M.A. Final, Paper – I

Theories of International Relations

- CO 1 To describe different phases of the study of International Relations.
- CO 2 To analyse different approaches to study International Relations.
- CO 3 To highlight the relevance of the concept of power, its constituents and Limitations.
- CO 4 To analyse the Ideologies of International Relation.
- CO 5 To discuss the Concepts of Balance of Power, Collective Security, Cooperative Security.
- CO 6 To describe the contemporary emerging issues like Human Rights, Terrorism etc.
- CO 7 To explain basic tenets of Disarmament and Arms control.
- CO 8 To describe the concept of Non-Alignment.

M.A. Final, Paper – II (Compulsory)

Major Ideas and Issues in Public Administration

- CO 1 To understand Public Administration in its larger systematic milieu, to identify key interacting factors in its apparatus.
- CO 2 To analyse the Ecological, Decision – Making and Development Administration Approaches for the better understanding of the functioning of the Developed and Developing Countries of the world.
- CO 3 To classify the Impact of Information Technology on Public Administration.
- CO 4 To understand the significant contribution of Bureaucracy to the process of development and ways of Govt. Control over it.
- CO 5 To determine the role of Political Parties, Pressure Groups and Public Opinion on the process of Policy Formation.
- CO 6 To identify role of Distt. Administration during Natural Calamities.
- CO 7 To understand the need for reforms in public Administration by downsizing and modernizing Bureaucracy.

M.A. -Final, Paper – III & IV (H)

Indian's Foreign Policy

- CO 1 To describe meaning and major approaches to the study of Foreign Policy.
- CO 2 To analyze Principles and Objectives of India's foreign policy.
- CO 3 To understand Domestic and External Determinants of India's Foreign Policy.
- CO 4 To understand the continuity and changes in India's Foreign Policy.
- CO 5 To examine India's Foreign Policy in a Comparative Perspective.
- CO 6 To analyse and understand India's Foreign policy towards her Neighbouring countries.
- CO 7 To understand the issues such as Globalization, Cross Border Terrorism, Human Rights, Environment concerns.

M.A. -Final, Paper – I Group – D, paper - J

Political Parties

- CO 1 To understand evolution of Political Parties.
- CO 2 To describe the classification of Political parties based on Ideology and Social and Regional Extention.
- CO 3 To understand the functions of Political parties as an Intermediary Institution in the entire Political System.
- CO 4 To discuss Political Parties, Core Base, Merger, Alignment and Affection.
- CO 5 To understand Political Parties in relation to the Post Communist and Developing Countries.
- CO 6 To understand the recent trends of political parties.

M.A. - P, Paper – I, Group – A, Paper - L

Contemporary political issues

- CO 1 To examine the factors leading to the End of Cold War.
- CO 2 To discuss Contemporary Issues in Post Cold War period.
- CO 3 To analyze and understand key Issues in North South Relationship.
- CO 4 To understand the meaning of Globalization and its Impact on World Order.
- CO 5 To analyze and understand the Non-Alignment Movement.
- CO 6 To describe the role of U.N. Human Rights and Organization in the world.
- CO 7 To understand environmental Issue.
- CO 8 To discuss the Liberalization Process concept of Liberalization.
- CO 9 To understand various aspects of Terrorism and its impact on Global Order.
- CO 10 To describe developmental issues and discourse of developmental Models.

B.A. I Geography Paper - I

Physical Geography

- CO 1 To understand the concept of Isostasy, Earthquake & Volcano.
- CO 2 Describe the concept of plate tectonics.
- CO 3 Concepts of Rocks, their classification & Characteristics.
- CO 4 Describe the cycle of Erosion by Davis & Penck.
- CO 5 Describe the term Insolation, Horizontal & Vertical distribution of temperature.
- CO 6 To understand Precipitation, and classification of Rainfall.
- CO 7 To understand the concept of Tides, & Their classification.
- CO 8 Describe the composition of Marine water temperature & Salinity.
- CO 9 To understand the concept of Biosphere as a global Eco-system.
- CO 10 Describe the term Biome and their types Zoo Geographical regions of the World.

B.A. I Geography Paper - II

Human Geography

- CO 1 Students get introduction of the subject as an independent branch of Geography.
- CO 2 To understand the population and natural resource relationship and the distribution of human population over globe.
- CO 3 To understand the man- environment relationship through different philosophies.
- CO 4 The subject helps the students to know about the habitation and settlement patterns.
- CO 5 It also helps to understand the human society by throwing light on culture and economy.
- CO 6 Subject provides knowledge about the pattern of evolution of human occupations with the changes of time and technological development.
- CO 7 It also pays attention on national and international migration and its changing scenario.
- CO 8 Subject helps to know about the human evolution and their spread on earth and the distribution of different races and tribes.

B.A. II Geography Paper - I

Economic Geography

- CO 1 To discuss the meaning of economic geography and its nature.
- CO 2 To describe the stages of economic development.
- CO 3 Write down the geographical Conditions, distribution & Production of different crops in the world.
- CO 4 Explain the major fishing areas, production and trade.
- CO 5 Classification of agricultural regions in the World according to Whittlesey.
- CO 6 Write down the industrial locational theory of Weber.

B.A. II Geography Paper - II

Geography of India

- CO 1 Understand India in the context of Asia and World.
- CO 2 Identify the physical features of India and its classification.
- CO 3 Identify the physical resources and river valley projects of India.
- CO 4 Analyse the main agricultural aspects of India including Green Revolution.
- CO 5 Describe the industrial development, locational factors and spatial pattern of Major industries of India.
- CO 6 Understand the population Growth, density and distribution and population explosion of India.
- CO 7 Identify the transport network, Roadways, Railways, Airways and Major ports.
- CO 8 Understand the major issues and planning of some problem areas – flood prone areas, Drought prone areas and tribal areas.

B.A. III Geography Paper - I

Geography of Thought

- CO 1 Subject provides the conceptual understanding about the subject matter by focusing on areal differentiation and spatial organization.
- CO 2 To understand the philosophy of dualism in Geography.
- CO 3 To understand the development of subject matter of geography in ancient, middle age and renaissance period.
- CO 4 To know about the development and the contribution of German School and French School of thought.
- CO 5 Subject also helps to know about the contribution of Soviet, American and the British geographers.
- CO 6 Students get knowledge about the systematic development of geography through different periods of time.

B.A. III Geography Paper - II

Environmental Studies

- CO 1 Describe concept and main components of Environment.
- CO 2 Discuss the concepts of an Ecology and Ecosystem.
- CO 3 What do you understand by Man-Environment relationship ? Discuss.
- CO 4 What do you understand by Global warming ?
- CO 5 What are the effects of water pollution ?
- CO 6 What do you understand by food chain ?
- CO 7 Discuss the significance of Environmental Education.
- CO 8 Explain the necessity of Conservation of forest resources.
- CO 9 Write a note on Population Explosion.
- CO 10 Describe the national Biodiversity Policy.
- CO 11 What do you understand by food Web.
- CO 12 Give means of soil Conservation.

B.A. III Geography Paper - III

South West Asia

- CO 1 The subject provides a detailed regional study of the region and the basis of regionalization.
- CO 2 Subject gives an understanding of physical, cultural, and economic aspects of the region and the resource base.
- CO 3 Students learn about the demography features and their changing scenario.
- CO 4 It also throws light on detailed study of Turkey, Israel, Iraq, and Saudi Arab.

- CO 5 Important aspect of the subject is to provide understanding about strategic importance of the region.
- CO 6 Students come to know the role of South West Asia as a geostrategic region in the international politics.

M.A. Geography Previous Paper - I

Geomorphology

- CO 1 To understand the concept Uniformitarianism.
- CO 2 Describe about the Geochronological method and Dendrochronology.
- CO 3 Concept of Plate – tectonic and classification of plates and Isostasy.
- CO 4 To understand the concept of volcano & Earthquake.
- CO 5 Concept of weathering & classify the process of weathering.
- CO 6 To understand the concept of Gradation & its agents & process.
- CO 7 Describe about the Karst topography.
- CO 8 Describe the Geomorphic process & resulting landforms; Glacial & fluvial.
- CO 9 Describe the concept of DEM (Digital elevation model) and TIN (Triangulated Irregular Network unit).
- CO 10 To understand the concept of (i) Hydro-geomorphology (ii) Urban geomorphology, (iii) Environmental geomorphology.

M.A. Geography Previous Paper - II

History of Geographical Thought

- CO 1 Modern Geography is a branch of Science Discuss.
- CO 2 Geography is a science of relationships explain.
- CO 3 Explain the systematic approach to the study of Geography.
- CO 4 Explain the relevance of models in Geography.
- CO 5 Write a short note on Determinism.
- CO 6 Mention the contribution of Friedrich Ratzel in the development of Geography.
- CO 7 What is the myth and reality about Dualism in Geography ? Discuss it with reference to physical geography V/s Human Geography.
- CO 8 Explain the concept of spatial organisation and its relevance in Geography.
- CO 9 Evaluate the Contribution of Eratosthenes or Strabo in the development of Geographical Knowledge.
- CO 10 Why the period from 300 AD to 1200 AD is called as "Dark Age" in Geography : Discuss.

M.A. Geography Previous Paper - III

Economic Geography

- CO 1 To define Economic geography & its difference from economics & other social Sciences.
- CO 2 To discuss the fundamental Concepts of Economic Geography.
- CO 3 Explain the agricultural location theory of von Thünen & its modification.
- CO 4 Identification of agricultural region and techniques of delimitation process.
- CO 5 Write down the theory of industrial location of Weber & Losch.
- CO 6 Impact on accessibility and connectivity in transport network.

M.A. Geography Previous Paper - IV

Population and Settlement Geography

- CO 1 Firstly subject gives understanding about the subject matter of population and settlement.
- CO 2 Students learn the methods and techniques about the population data collection and related concepts.

- CO 3 It helps to see the global and national distribution of population and controlling factors.
- CO 4 Students learn about the population composition, urbanization, and migration patterns on global and national level.
- CO 5 To understand the relationship between resources and population and their related concepts.
- CO 6 Subject provides the knowledge about the evolution and distribution of human settlement.
- CO 7 It provides the knowledge about the theories of Christaller and Losch to understand the settlement hierarchy.
- CO 8 To know the importance of population resource as the main focus point in geography.

M.A. Geography Final Paper - I

Geography : Climatology and Oceanography

- CO 1 Describe the composition , structure & mass of the atmosphere.
- CO 2 To understand the concept of Heat budget and green house effect.
- CO 3 Describe the Atmosphere moisture viz. Humidity, evaporation & condensation.
- CO 4 Concept of El Nino and La Nina.
- CO 5 Describe about the weather system : Tropical temperate & high latitude.
- CO 6 Write down the climatic classification of Koppen.
- CO 7 To understand the concept, of 'Global Warming'.
- CO 8 Describe about the major features of ocean basins, continental margins & deep ocean basin, marine sediments.
- CO 9 Describe about tides, coral reefs.
- CO 10 To understand the concept & types of organism viz, Plankton, Nekton Benthos.

M.A. Geography Final Paper - II

Physical Geography of India

- CO 1 Subject helps to understand the different bases of regionalization of India
- CO 2 Students learn about the macro region as the Himalayas, The Indo-Gangetic Plain, and the Peninsular India and their features
- CO 3 To understand the main meso regions of India and their different features
- CO 4 It also provides detailed understanding about the different micro regions of India
- CO 5 Subject helps the students to know the resources and population relationship in different regions and related issues
- CO 6 Students know about the different policies and programmes in different regions.
- CO 7 Case studies are analyzed to understand the physical, political, urban and cultural regions of India
- CO 8 Students know about the other social and cultural aspects of India as unique identity at global level.

M.A. Geography Final Paper – III & IV (B)

Environmental Geography

- CO 1 Role of Man in Environmental Degradation.
- CO 2 Flow of Energy in Ecosystem.
- CO 3 Explain the concept and approaches of Environmental Management.
- CO 4 Drawbacks of Tehri Dam project.
- CO 5 Write an essay on causes and impacts of air-pollution.
- CO 6 What do you understand by the concept of sustainable development ? Explain the aspects of sustainable development.

- CO 7 Explain the growth of urban population as the major factor for environmental crisis.
- CO 8 Differentiate between food chain and food web.
- CO 9 Global Warming and climate change.
- CO 10 Write an essay on causes and impacts of air - pollution.

M.A. Geography Final Paper - IV

Urban Geography

- CO 1 Understand the process of urbanisation, origin and growth and classification of urban settlements with relevant theories and Models.
- CO 2 Examine the changing Economic base and structure of the contemporary cities.
- CO 3 Describe the basic and non basic functions of cities.
- CO 4 Identify the city's relationships with its surrounding region.
- CO 5 Understand urban Morphology and Land use structure.
- CO 6 Describe urban expansion and determine the region of um land and rural-urban fringe.
- CO 7 Relate urbanization process and the evolution of urban system.
- CO 8 Examine the contemporary urban issues and suggest new urban Planning and urban Policy perspectives.

बी0ए0 प्रथम वर्ष : सामान्य संस्कृत – प्रश्न पत्र (पाठ्यग्रन्थ एवं व्याकरण)

- 1 शब्दरूपों का सामान्य परिचय
2. धातुरूपों का सामान्य परिचय
3. नीतिशास्त्र के ग्रन्थों का सामान्य परिचय
4. संस्कृत व्याकरण का ज्ञान

बी0ए0 प्रथम वर्ष : सामान्य संस्कृत – द्वितीय प्रश्न पत्र (संस्कृत भाषा नैपुण्य)

1. संस्कृत व्याकरण का ज्ञान
2. संस्कृत कंठस्थ करने का क्षमतावर्द्धन
3. संस्कृत अनुवाद का ज्ञान
4. संस्कृत व्याकरण में सन्धि परिचय

बी0ए0 द्वितीय वर्ष : सामान्य संस्कृत – प्रथम प्रश्न पत्र (संस्कृत भाषा नैपुण्य)

1. संस्कृत पढ़ने-लिखने की क्षमतावर्द्धन
2. संस्कृत समझने की क्षमतावर्द्धन
3. संस्कृत वाच्यों का ज्ञान
4. संस्कृत व्याकरण में समास परिचय ।

बी0ए0 द्वितीय वर्ष : सामान्य संस्कृत – द्वितीय प्रश्न पत्र (संस्कृत भाषा नैपुण्य)

1. संस्कृत महाकाव्य का ज्ञान
2. संस्कृत व्याकरण में रूपसिद्धि का ज्ञान
3. संस्कृत में अंलकारों का ज्ञान
4. संस्कृत के अपठित को समझने का ज्ञान

बी0ए0 तृतीय वर्ष : सामान्य संस्कृत – प्रथम प्रश्न पत्र (नीति एवं रचनानुवाद)

1. संस्कृत नीतिशास्त्र का सामान्य ज्ञान
2. संस्कृत रचना का सामान्य परिचय
3. संस्कृत नीति ग्रन्थों का अध्ययन

बी0ए0 तृतीय वर्ष : सामान्य संस्कृत – द्वितीय प्रश्न पत्र (सामान्य व्याकरण)

1. संस्कृत व्याकरण का सामान्य अध्ययन
2. वैदिक संस्कृत की विशेषताएँ
3. संस्कृत का अवबोधन कराना ।

बी0ए0 प्रथम वर्ष : संस्कृत साहित्य – प्रथम प्रश्न पत्र (संस्कृत काव्य और काव्यशास्त्र)

1. संस्कृत काव्य के स्वरूप का ज्ञान
2. संस्कृत काव्यशास्त्र का परिचय
3. संस्कृत महाकाव्यों का सामान्य परिचय
4. संस्कृत महाविषयों का सामान्य परिचय

बी0ए0 प्रथम वर्ष : संस्कृत साहित्य – द्वितीय प्रश्न पत्र (व्याकरण अनुवाद और संस्कृत साहित्य का इतिहास)

1. संस्कृत व्याकरण का ज्ञान
2. व्याकरण में सन्धि विच्छेद, सन्धियोजना का ज्ञान
3. अनुवाद ज्ञान
4. संस्कृत के महाकवियों एवं उनके ग्रन्थों का सामान्य परिचय ।

बी0ए0 द्वितीय वर्ष : संस्कृत साहित्य – प्रथम प्रश्न पत्र (नाटक गद्यकाव्य और काव्यशास्त्र)

1. संस्कृत नाटकों के लक्षण, विशेषताएं
2. संस्कृत कथा-आख्यायिका की विशेषताएं
3. संस्कृत नाटक, कथा, आख्यायिका का अध्ययन
4. संस्कृत काव्यशास्त्र में गुण, रीति, अलंकारों का ज्ञान

बी0ए0 द्वितीय वर्ष : संस्कृत साहित्य – द्वितीय प्रश्न पत्र (व्याकरण, निबन्ध और गद्य नाट्य साहित्य का इतिहास)

1. संस्कृत व्याकरण का ज्ञान
2. संज्ञा एवं सर्वनाम रूपों की सिद्धि
3. संस्कृत गद्यकारों का सामान्य परिचय ।
4. संस्कृत नाटककारों का सामान्य परिचय ।

बी0ए0 तृतीय वर्ष : संस्कृत साहित्य – प्रथम प्रश्न पत्र (वेदमंत्र, अपठितांश और भारतीय संस्कृति)

1. श्रृग्वेद के सूक्तों का परिचय एवं ज्ञान
2. उपनिषद साहित्य का सामान्य परिचय एवं ज्ञान
3. संस्कृत समझने और लिखने की क्षमतावर्द्धन
4. भारतीय संस्कृति का सामान्य परिचय ।

बी0ए0 तृतीय वर्ष : संस्कृत साहित्य – द्वितीय प्रश्न पत्र (नाटक व्याकरण और छन्द)

1. संस्कृत नाटकों की सामान्य विशेषताएं
2. संस्कृत व्याकरण में प्रत्यय ज्ञान
3. संस्कृत काव्य के लिए छन्दशास्त्र का ज्ञान
4. संस्कृत छन्द लेखन की क्षमतावर्द्धन

बी0ए0 तृतीय वर्ष : संस्कृत साहित्य – तृतीय प्रश्न पत्र (आधुनिक संस्कृत साहित्य)

1. आधुनिक संस्कृतज्ञों का सामान्य परिचय
2. आधुनिक संस्कृत रचनाओं का सामान्य परिचय
3. आधुनिक संस्कृत साहित्य का इतिहास

स्नातकोत्तर संस्कृत

एम0ए0 प्रथम वर्ष

प्रथम प्रश्न पत्र : वैदिक भाषा और साहित्य

1. श्रृग्वेद के सूक्तों का ज्ञान
2. अथर्ववेद के सूक्तों का ज्ञान
3. उपनिषद साहित्य का परिचय
4. वेदों के अध्ययन में निरुक्त एवं शिक्षा का ज्ञान ।

द्वितीय प्रश्न पत्र : व्याकरण और भाषा विज्ञान

1. संस्कृत व्याकरण में विविध संज्ञा
2. संस्कृत व्याकरण में कारकों का ज्ञान
3. भाषा विज्ञान में पालि का परिचय

4. भाषा विज्ञान में प्राकृत का परिचय
5. भाषा विज्ञान में वाक्य एवं अर्थ विज्ञान

तृतीय प्रश्न पत्र : भारतीय दर्शन

1. भारतीय दर्शन परम्परा का सामान्य परिचय
2. भारतीय दर्शन में आस्तिक दर्शन का अध्ययन
3. भारतीय दर्शन में नास्तिक दर्शन का अध्ययन
4. भारतीय दार्शनिकों का सामान्य परिचय

चतुर्थ प्रश्न पत्र : साहित्य शास्त्र और सौन्दर्य शास्त्र

1. साहित्यशास्त्र के सिद्धान्तों का परिचय
2. संस्कृत काव्य समीक्षा का स्वरूप
3. संस्कृत में अलंकारों का स्वरूप
4. संस्कृत अलंकारवादी आचार्यों की कृतियों का अध्ययन

एम0ए0 द्वितीय वर्ष

प्रथम प्रश्न पत्र : काव्य

1. संस्कृत काव्य का स्वरूप
2. संस्कृत व्याकरणों का अध्ययन
3. संस्कृत की विविध विधाओं का अध्ययन
4. संस्कृत काव्यों का अध्ययन

द्वितीय प्रश्न पत्र : संस्कृति धर्मदर्शन एवं कला

1. भारतीय संस्कृति का सामान्य परिचय
2. संस्कृत और सभ्यता का सामान्य अध्ययन
3. भारतीय धर्म का स्वरूप
4. भारतीय दर्शन का स्वरूप
5. भारतीय कलाओं का सामान्य परिचय

तृतीय प्रश्न पत्र : संस्कृत काव्य एवं काव्य परम्परा

1. संस्कृत काव्य एवं नाट्य का अध्ययन
2. संस्कृत नाट्य शास्त्र का सामान्य अध्ययन
3. संस्कृत काव्य की विविध विधाओं का परिचय
4. अलंकारवादी एवं रसवादी आचार्यों की मान्यताएँ

चतुर्थ प्रश्न पत्र : पद्य गद्य एवं चम्पू काव्य

1. संस्कृत चम्पू काव्य का स्वरूप
2. संस्कृत खण्डकाव्य का अध्ययन
3. संस्कृत पद्यकाव्य का सामान्य परिचय
4. संस्कृत गद्य काव्य का परिचय

B.A. I Sociology Paper Ist.

Introduction to Sociology

Course outcome : The students will be able to :

- CO 1 Understand meaning, definition and nature of Sociology as a social science.
- CO 2 Describe that how Sociology differs from and is similar to other social sciences.
- CO 3 Understand the basic concepts used in systemic study of society.
- CO 4 Analyze the family and kinship as primary institution of society as well as religion education and state.
- CO 5 Understand the agencies and process of socialization with examples of their own life.
- CO 6 Explain the relationship between individuals and society.
- CO 7 Define culture and its importance in society.

CO 8 Know about uses of sociology in understanding different social and ecological problems.

B.A. I Paper II

Society in India : Structure and change

Course outcome : The students will be able to :

- CO 1 Understand the structure and system of Indian society as a member of it.
- CO 2 Analyze the demographic profile of weaker section of society and their problems.
- CO 3 Describe cultural and ethnic diversity in terms of language, Caste, Religion and culture etc.
- CO 4 Understand the role of caste, religion, democracy in the context of Indian Society.
- CO 5 Know the aims and types of marriage and importance of joint family as well as limitations in Indian Society.
- CO 6 Define culture and distinguish material and non material culture.
- CO 7 Describe the theory of Cultural lag.
- CO 8 Become familiar with changes and transformation in Indian Society.
- CO 9 Analyze the factors affecting National Intergration.
- CO 10 Develop writing skills through assignment and critical thinking through group discussion.

BA. II Paper I

Indian Society : Issues and Problems

Course outcome : The students will be able to :

- CO 1 Identify and analyse emerging social issues and problems from sociological perspective.
- CO 2 Empower themselves to deal with these issues and problems.
- CO 3 Understand the structural problems and issues related to minorities, backward classes, and dalits.
- CO 4 Know about poverty and inequality in terms of caste and gender prevailing in Indian Society.
- CO 5 Understand the problems of dowry, domestic violence, and Intergenerational conflicts in Indian family.
- CO 6 Identify developmental issues and problems.
- CO 7 Identify the deviant behaviour of Individuals such as crime and delinquency and white collar crime.
- CO 8 Have knowledge beyond the common sense understanding of prevailing corruption in public sphere.
- CO 9 Acquire sociological understanding of terrorism, cyber crime, drug addiction etc.

B.A. II Paper II

Social Change and social control

Course Outcome : Students will be able to :

- CO 1 To understand meaning, nature of social change as a universal phenomena.
- CO 2 to describe different factors of social change.
- CO 3 To understand the theories of social change describing the factors and patterns of change in society.
- CO 4 To identify the different processes of social change.
- CO 5 To know the role of industrialization and urbanization in social change.
- CO 6 To understand the concept of modernization and sanskritization as a process of social change in context of Indian society.
- CO 7 To understand the meaning and need of social control.
- CO 8 To identify the types of social control.

- CO 9 To understand different theories of social control.
CO 10 To describe the agencies of social control.

B.A. II Sociology Paper I

Foundations of Sociological thought

Course Outcome : The student will be able :

- CO 1 To understand what accounts for the emergence of the academic discipline of Sociology.
CO 2 To identify the social, economic and political forces that leads to enlightenment of Sociological thought.
CO 3 To know August Comte's positivist approach for scientific study of social phenomena.
CO 4 To understand how Herbert Spencer applied the Darwin's theory of Organic Evolution on society.
CO 5 To analyse the Durkheim's interpretation of social solidarity and suicide as well as social fact.
CO 6 To understand the Weber's concept of Authority and Ideal type.
CO 7 To analyse the Marxian views on materialistic conception of History and Dialectical Materialism and Class struggle.
CO 8 To apply Pareto's theory of Circulation of Elites for understanding the cyclical pattern of change.
CO 9 To know about development of sociological thought in India.

B.A. III Paper II

Social Research Methods

Course Outcome – The students will be able :

- CO 1 To understand the meaning and significance of Social Research.
CO 2 To develop testable hypothesis derived from a theory.
CO 3 To know the scientific method of the study of social phenomena.
CO 4 To understand the need of objectivity in social research and how to maintain it.
CO 5 To have understanding about methods of Qualitative and Quantitative research.
CO 6 To analyze the different types of research.
CO 7 To differentiate the primary and secondary sources of data collection.
CO 8 To know the techniques of sampling and data collection and have practical knowledge of using these techniques.
CO 9 To understand the classification and Graphic presentation of data.
CO 10 To learn elementary statistical methods such as mean, median, mode, SD. Etc.

M.A. Previous Sociology Paper I

Classical Sociological Traditions

Course outcome : The students will be able :

- CO 1 To understand socio-economic and historical background of emergence of Sociology.
CO 2 To explain impact of Industrial revolution on society and economy.
CO 3 To know what is enlightenment and its impact on thinking and reasoning.
CO 4 To understand Marx's theory of Dialectical materialism and Economic determinism.
CO 5 To understand Marxian perspective of explaining transformation of human society through different stages.
CO 6 To describe the mechanical and organic solidarity and increasing division of labour and its impact on society.
CO 7 To understand the contribution of Durkheim to the methodology of Sociology and theories explaining suicide and religion as a social fact.
CO 8 To explain Max Weber's views on relationship between Protestant ethics and the spirit of capitalism.

CO 9 To explain the concept of Social action, Ideal type Bureaucracy and Authority given by Weber.

CO 10 To understand Pareto's contribution to Logico-experimental Sociology in terms of logical and non logical action, Residues and Derivatives and theory of social Change.

M.A. Previous Paper II

Methodology of Social Research

Course outcome : The students will be able :

CO 1 To know about philosophy of social science and contribution of Comte, Durkheim and Popper to positivism.

CO 2 To understand recent approach of Ethnomethodology and Phenomenology to know the social reality.

CO 3 To define Social Research and scientific method and steps in social research.

CO 4 To understand the need of objectivity and develop hypothesis in Social Research.

CO 5 To have knowledge about Quantitative and Qualitative research techniques.

CO 6 To have experience of collection of primary and secondary data, analysis of data and report writing by conducting a field survey with small sample.

CO 7 To learn statistical method in social research.

CO 8 To describe the different types of Research design.

M.A. Previous Paper III

Social Demography

Course outcome : The students will be able :

CO 1 To define Social Demography as a branch of Sociology.

CO 2 To describe the importance of its study in India.

CO 3 To understand basic concepts of Social Demography.

CO 4 To study the population census for understanding demographic features of society.

CO 5 To explain different theories of population.

CO 6 To understand the trends and consequence of growing population in India.

CO 7 To understand the need of population control and evaluation of family welfare program.

CO 8 To explain cultural determinants of fertility and other impediments.

M.A. Previous Paper IV

Rural Society in India.

Course outcome : The students will be able :

CO 1 To explain basic characteristics of peasant and agrarian society with special reference to rural India.

CO 2 To elaborate the structures and function of family, caste and religion in rural society.

CO 3 To know the habitate and settlement pattern in villages.

CO 4 To understand the mode of production and agrarian relations and impact of agrarian legislation on rural society.

CO 5 To describe the nature of rural poverty, emigration and lendless labour.

CO 6 To understand the structure and the functions of local self government (Panchayati Raj).

CO 7 To point out Community Development Programme and rural development strategies.

CO 8 To evaluate the impact of Globalization on agriculture.

M.A. Final Paper I

Theoretical Perspective in Sociology

Course outcome : The students will be able :

CO 1 To understand what is sociological theory and point out the characteristics of its nature.

- CO 2 To describe the relationship between theory and research.
- CO 3 To explain the Structural Functional analysis of society given by R. Brown, S.F. Nadal, Parsons and Merton.
- CO 4 To understand the Structuralism and Post structuralism.
- CO 5 To understand the Marxian and functional analysis of conflict and the origin of critical theory and neomarxism.
- CO 6 To describe modern sociological approaches to understand social reality such as – Ethnomethodology , Phenomenology and Symbolic Interactionism.
- CO 7 To understand the recent trends in sociological theorising.

M.A. Final Paper II

Sociology of change and Development

Course outcome : The students will be able :

- CO 1 To understand the meaning and forms of social change.
- CO 2 To describe the theories and factors of social change .
- CO 3 To explain the trends and processes of social change in India
- CO 4 To understand the changing conception of development and theories of development.
- CO 5 To know the paths and agencies of development.
- CO 6 Discussion on gender issues and development.
- CO 7 To understand the Indian experience of development in the context of five year plans and other social policies and programmes.
- CO 8 To explain the consequences of economic reforms., impact of globalization and social implications of info-tech revolution.

M.A. Final Paper III

Criminology

Course outcome : The students will be able :

- CO 1 To understand the sociological and legal concept of Crime and types of crime.
- CO 2 To differentiate Crime and Delinquency.
- CO 3 To analysis the theoretical perspectives on causes of crime.
- CO 4 To describe the changing profile of crime and criminals, in contemporary India.
- CO 5 To understand the nature of crime against women and children.
- CO 6 To explain the different theories of punishment.
- CO 7 To understand the significance of correction and correctional programme in prisons.
- CO 8 To understand the need of interagency coordination among prison, police, prosecution and judiciary .
- CO 9 To know about alternatives of imprisonment like probation parole, open prisons.
- CO 10 To understand the victimological perspective of crime.

MA. Final Paper IV

Industry and Society in India.

Course outcome : The students will be able :

- CO 1 To define Industrial Sociology and classical sociological traditions of industrial dimensions of society.
- CO 2 To know about problems of habitat, settlement and environment occurring in society through industrialization.
- CO 3 To understand the concepts of Division of labour, work, work culture and work ethics and Industrial relations and conflicts.
- CO 4 To differentiate formal and informal organization.
- CO 5 To explain the classical theories of management.
- CO 6 To understand the growth of trade union and their role in Industrial organization.
- CO 7 To think about the problems of women and child labour in India.

CO 8 To think critically on social and environmental issues concerning to industrial society.

PSYCHOLOGY B.A. I Paper Ist.

General Psychology

- CO 1 To describe the meaning and evolution of psychology and its various approaches in fields and sub fields of psychology along with their concepts and applications.
- CO 2 To describe various study methods in psychology such as : introspection, observation, and experimental, survey, and questionnaire methods.
- CO 3 To describe the value and scope of psychology and its possible career opportunities in various fields.
- CO 4 To describe the biology of behavior, explain the role and structure of nervous system and endocrine glands.
- CO 5 To explain the basic of vision, hearing, and smell, and to define the process of perception, its theories and principles.
- CO 6 To define the meaning and process of learning, its various theories such as: classical conditioning, operant conditioning, and observational learning etc.
- CO 7 To define the types and process of memory and it's enhancing techniques.
- CO 8 To define the process of intelligence ,thinking, motivation, emotions, personality development and measures through projective and objective tests.

B.A. I

Experimental Methodology & Statistics ;

- CO 1 Describe problem, hypothesis and different types of variables.
- CO 2 Explain nature , problems and methods of psychophysics.
- CO 3 Identify the discrete and continuous scores.
- CO 4 Understand the concept of a frequency distribution for sample data, and be able to summarize the distribution by diagram (such as histograms, polygons and ogive).
- CO 5 Understand the concept of central tendency (such as mean, median and mode).
- CO 6 Explain the measures of variability (such as range, quartile deviation, average deviation and standard deviation) and its computation.

B.A. II : Paper-I

Psychopathology

- CO 1 To Explain the Normal and Abnormal Behavior.
- CO 2 To Explain the Mental Disorder as such classification of DSM-IV and
- CO 3 To Describe the symptoms, causes and treatment of Abnormal Behavior.
- CO 4 To Explain the Psychological Models of Psychopathology such as Psychoanalytical, Behavioral and Cognitive etc.
- CO 5 To Describe the symptoms, causes and treatment of Neurotic and Psychotic Disorders such as Anxiety, Stress, Phobia, Obsessive-Compulsive, Schizophrenia etc.
- CO 6 To Explain the Personality Disorders such as Anti-social Behavior, Borderline, Dissociative etc.

B.A. II Paper II

Social Psychology

- CO 1 To introduce the nature & scope, along with methods of social Psychology.
- CO 2 To describe the process of socialization and make students understand the processes come under social interaction
- CO 3 To know and differentiate, between Stereotypes, Prejudice & discrimination.
- CO 4 To know the nature, formation, change and measurement of attitudes.
- CO 5 To understand communications and its Barriers.
- CO 6 To know the theoretical explanation of Aggressions and its control.

CO 7 To discuss about helping behavior and its different determinants.

B.A. III : Paper – I

Measurement and Statistics

- CO 1 Identify the different levels of measurement such as nominal, ordinal, interval and ratio scales.
- CO 2 Describe the test and test construction .
- CO 3 Have a working understanding of reliability and validity.
- CO 4 Recall the key properties of the normal distribution.
- CO 5 Recognize some common types of sampling design such as simple random sampling.
- CO 6 Identify the components of a classical hypothesis test, including the null and alternative hypotheses and the test statistic.
- CO 7 Explain the two types of errors possible
- CO 8 State and apply the definitions of the t F and X² distribution.
- CO 9 Demonstrate an appreciation of one way analysis of variance (ANOVA)
- CO 10 Distinguish between a population and a sample and between parameters and statistics.

B.A. III : Paper – II

Counselling and guidance

- CO 1 To make students learn about different perspectives like : psychoanalysis, behavioural, cognitive and humanistic.
- CO 2 To describe nature, goals, process, types, phases of counselling.
- CO 3 To explain specific areas of counselling such as: career, marital, and personal counselling.
- CO 4 To explain need, process, types of guidance such as : personal, vocational and educational guidance.
- CO 5 To define different measures of intelligence, aptitude, personality, interests and achievements such as: TAT, Rorschach, MMPI etc.

B.A. III : Paper III

Organizational Behavior

- CO 1 To introduce the theory of scientific management and contribution of Taylor & Mayo.
- CO 2 To describe the different types of effective methods of selection and placement of personnel.
- CO 3 To give the information about Training , its types etc.
- CO 4 To describe the theory of Maslow, Adams & varoom in relation to Motivation in organizations.
- CO 5 To make understanding about job satisfaction & Job analysis and work stress.
- CO 6 To describe and illustrate man machine system, Risk taking Behavior along with needs of safety measurement to avoid accidents & accidental proneness.

M.A. Previous : Paper I

History & Background of Psychology

- CO 1 To know the ancient Greek philosophy basis of Psychology, in relation to Aristotle, Descartes, John lock etc.
- CO 2 To describe the empiricism & theory of associationism.
- CO 3 To introduce the emerging condition of Psychology all over the world.
- CO 4 To describe the emergence and development of Experimental Psychology including Weber, Fechner, Wundt.
- CO 5 To describe the main theory in Structuralism, Functionalism and field theory.

- CO 6 To introduce the foundation of Behaviorism.
 CO 7 To describe the evaluation of Freudian and Neo-Freudian approaches

M.A. Previous Paper -II

Experimental Psychology

- CO 1 Explain nature, problems and methods of psychophysics.
 CO 2 Identify the classical and instrumental conditioning including verbal learning, reinforcement and schedule of reinforcement.
 CO 3 Understand the concept of memory and forgetting.
 CO 4 Describe problem solving and different approaches of learning (such as Gestalt and Behavioristic).
 CO 5 Explain dynamics of behavior, including physiological bases of basic motives (such as hunger, thirst and sex).
 CO 6 Understand the concept of emotion and theories of emotion, including physiological bases of emotion.

M.A. Previous Paper-III

Psychological Statistics

- CO 1 Interpret graphical tools (such as cumulative frequency curve and ogive, Bar diagram)
 CO 2 Recall the key properties of the normal distribution and its application.
 CO 3 Perform correlation analysis and regression.
 CO 4 Understand the concept of ANOVA and be familiar with one-way.
 CO 5 State and apply the chi-square, median test and sign test.
 CO 6 Understand the test of significance (such as t-test and apply t for independent and correlated means).

M.A. Previous Paper –IV

Clinical Psychology

- CO 1 To define knowledge of normal and pathological development of behaviour.
 CO 2 To make students learn about clinical assessment skills and diagnostic techniques.
 CO 3 To define Mental retardation its type, treatment and preventive measures.
 CO 4 To define various mental disorders like psycho neurosis and psychotic disorders.
 CO 5 To make students learn about different psycho therapies and their implications in various mental disorders.
 CO 6 To define the process of counselling, its types, phases and termination.
 CO 7 To define students about role of clinical psychologists in various fields such as: mental hospitals, schools, child guidance clinics and so forth.

M.A. Final Paper-I

“RESEARCH METHODOLOGY”

- CO 1 To understand applied research solving practical problems, finding solution and developing theoretical questions.
 CO 2 To define the variable distinction in social psychological research in relation.
 CO 3 Conceptual, strategic and statistical consideration.
 CO 4 Focus on the variety of research design and substantive issues.
 CO 5 To discuss number of methodological problems.
 CO 6 Define the major theory in the areas of personality, clinical and social psychology. To predict the direction of correlation, group difference and treatment effect.
 CO 7 Discuss the experimental research and non-experimental research design-such as one group, two group, multiple group, factorial design, quasi experimental design, ex-post-facto, case study field survey etc.

- CO 8 To define and understand of selection problem related to research formation of hypothesis.
- CO 9 To explain the uses of different statistical to analyze and discuss the result.

M.A. Final : Paper : II

Abnormal Psychology

- CO 1 To define different perspectives of psychological abnormalities such as : psychoanalytical, behavioural, cognitive, phenomenological and humanistic etc.
- CO 2 To define classification of mental disorders on multi-axial System and W.H.O classification.
- CO 3 To explain Anxiety disorders along with their ethology and treatments such as: phobia, OCD, PTSD, etc .
- CO 4 To define various psychotic disorders: Schizophrenia, manic depression. Psychoses and paranoia.
- CO 5 To define Psychophysiological disorders: CHD, Asthma, Allergy, Diabetes, and mental deficiency, symptoms, types and treatments .

M.A. Final : Paper – III

Psychological Measurement and Scaling

- CO 1 Describe the psychological measurement and scaling of outcomes and results which generates reliable data on the effectiveness and efficiency of the study and research etc.
- CO 2 Describe the psychological measurement process to identify, compare, evaluate the mental attributes.
- CO 3 Explain the measurement process in which we obtain quantitative value from qualitative traits for scientific study which can be predicted and generalized on the same population.
- CO 4 Describe the process of construction of the psychological tests which measure human behavior and compare two or more persons and groups.
- CO 5 Explain the reliability, validity norms which are important features of any measurable psychological test.
- CO 6 Describe the projective test which measure personality as well as mainly abnormal behavior.

M.A. Final Paper I

“INDUSTRIAL PSYCHOLOGY”

- CO 1 Industrial psychology is scientific study of human behavior in workplaces and organizations.
- CO 2 To define scope contributions, functions, human factors and individual differences in industrial psychology.
- CO 3 To define application of core areas of psychology- personality, motivation, learning, health, group processes, intergroup relations to an organizational context.
- CO 4 Define – personal selection, performance management training and development etc.
- CO 5 To focus the social psychology of organizations, role of group and processes in organizational functioning.
- CO 6 To define impact of organizational strategies and culture, structure and processes in the individual e.g. individual counseling in a work context.
- CO 7 To create broad understanding of research in industrial and organizational psychology real-world issues and challenges.
- CO 8 To teach effective written and oral communication skills facilitated through report writing.

- CO 9 Psychologist help organizations solve problems in human researches by designing and evaluation selecting and development systems by designing jobs in the workplace. So that people would be more statistical and productive.

Mil. St. B.A. I : Paper- I

Indian art of warfare upto 1947

The student should be able to:

- CO 1 Understand the development of Military System as out lined in the Vedic and Epic literature.
- CO 1 Describe the Military Organisation, Weapons and other essentials of warfare as described in Vedas.
- CO 3 Understand the Indian Philosophy of War as described by Kautilya.
- CO 4 Understand the causes of the success of Turk invasions on India with reference to the battles against Rajputs.
- CO 5 Discuss the pattern of warfare during the Mughal Period.
- CO 6 Describe the pattern of Guerrilla warfare during Maratha Period.
- CO 7 Discuss the development of Presidency Army under East India Company.

B.A. I : Paper- II

Evolution of Armament and Western Art of Warfare

The student should be able to:

- CO 1 Highlight the political and military tradition in western world and its development in modern times.
- CO 1 Discuss the organization and art of war of Greek Phalanx and Roman Legion.
- CO 3 Describe the tactical reforms of Gustavus Adolphus and Frederic the Great.
- CO 4 Analyze the various Technological innovations and their effect on war.
- CO 5 Examine the effect of atom on war and development of nuclear weapon
- CO 6 Understand the basics of Cyber technology and its use by the adversaries against the nation/state.
- CO 7 Discuss the development of new devices and innovations during World War I & II.
- CO 8 Analyse the impact of Cyber threats and to evolve methods of its prevention.
- CO 9 Learn the existing Cyber laws to different types of Cyber threats and crime in national and international perspective.

B.A. II : Paper – I

(Art of War in India (after 1947))

The student should be able to:

- CO 1 Discuss the immediate security problems of India after independence.
- CO 1 Describe the genesis and prospects of Kashmir dispute.
- CO 3 Explain the political and military lessons of Kashmir war 1947-48.
- CO 4 Examine India-China relations in the light of the boundary dispute and efforts for its settlement.
- CO 5 Explain the political and military lessons of Indo-Pak war 1965.
- CO 6 Emergence of Bangladesh and political - military lessons learnt from Indo-Pak war 1971.
- CO 7 Discuss the genesis and causes of Kargil conflict 1999.
- CO 8 Explain the role of Indian Air Force in Kargil conflict.

B.A. II : Paper-II

National Security

The student should be able to:

- CO 1 Explain the concept of national security.

- CO 1 Explain the imprecision of power as a concept.
- CO 3 Examine the principal causes for developing insurgency in any country.
- CO 4 Discuss the validity and future of the Non-aligned movement in the changing dimensions of international relations.
- CO 5 Discuss the importance of Balance of Power for international peace and security.
- CO 6 Elucidate the political characteristics of Indian Ocean region.
- CO 7 Describe the external factors influencing India-Pakistan relations.
- CO 8 Evaluate India's security concerns as a result of growing strength of the China-Pakistan axis.
- CO 9 Discuss the possibilities and aligned problems for India's rise as a major power in the contemporary strategic scenario.
- CO 10 Examine India's defense preparedness keeping in view Pakistan's defense development program me.

B.A. III : Paper-I

Evolution of Strategic Thought

The student should be able to:

- CO 1 Discuss the contribution of Machiavelli towards Western art of warfare.
- CO 1 Examine Clausewitz concept of Absolute war.
- CO 3 Discuss the relevance of principles of strategy as propounded by Jomini.
- CO 4 Examine Karl Marx's views on war.
- CO 5 Discuss the concept and theory of armoured warfare with reference to J.F.C. Fuller and Liddle Hart.
- CO 6 Discuss Douhet's contribution towards the development of the theory of airpower.
- CO 7 Examine A. T. Mahan's theory of Sea power.
- CO 8 Discuss Mao-Tse-Tung theory of protracted warfare.
- CO 9 Examine the concept and elements of nuclear deterrence.

B.A. III : Paper-II

Military Psychology

The student should be able to:

- CO 1 Explain the principles of psychology in the Military Training.
- CO 1 Discuss the concept of military Psychology.
- CO 3 Explain the importance of discipline in military organization.
- CO 4 Describe the utility application in military training, motivation, learning, group and individual training.
- CO 5 Discuss the structure, types and functions of Group Dynamics in military life.
- CO 6 State the types of Leadership.
- CO 7 Explain the significance of Morale in defence.
- CO 8 Evaluate the relationship between human right and armed forces.
- CO 9 Describe the concept and types of Psychological warfare.
- CO 10 State the effects of war on society.

B.A. III : Paper- III

Study of War

The student should be able to:

- CO 1 Understand and evaluate the key theories, concept and approaches to the Study of War.
- CO 1 Identify and critique the causes, conduct and consequences of war on states.
- CO 3 Understand the concept of strategy and tactics.
- CO 4 Explain the relationship between Revolutionary War and Guerrilla Warfare.

- CO 5 Explain the tangible and intangible elements of Guerrilla warfare.
- CO 6 Analyze the various challenges to India's internal security such as Left Wing Extremism (Naxalism) and Insurgency in Northeastern region.
- CO 7 Understand the role of Nuclear warfare in the 21st Century.

B.A. I Drawing & Painting Paper I

Fundamental of Art.

- CO 1 Understand the concept and meaning of Art.
- CO 2 Illustrate the importance of elements of Art.
- CO 3 Analyse the Principles of Composition.'
- CO 4 Identify all techniques of Art.
- CO 5 Describe Indian Folk Art in different perspectives.
- CO 6 Understand the different types of Art.

B.A. II Drawing & Painting Paper I

History of Indian Painting

- CO 1 Understand Pre Historic Painting of India.
- CO 2 Write down the Pal and A Pbhans School Painting.
- CO 3 Write down the Painting School of Jaipur and AAMER
- CO 4 Describe the Painting of AJANTA and BAGH
- CO 5 Write about BASONALI School Painting.
- CO 6 Write about KANGRA School Painting.

B.A. III Drawing & Painting Paper I

Philosophy of art and modern Indian Painting

- CO 1 Write down the meaning of art and definition.
- CO 2 Describe the six limbs of Indian Painting (Shadang)
- CO 3 Concept of Beauty According to Indian Philosophers.
- CO 4 Describe the Art and Society.
- CO 5 Describe the art and Modernity
- CO 6 Write down the Raja Ravi Verma and his Art.
- CO 7 Describe the Art of Bengal School.
- CO 8 Write down the new trends in Modern Indian Painting.
- CO 9 Describe the Art of Ravindra Nath Tegore.
- CO 10 Classify the Art of after Independence.

M.A. Previous Drawing & Painting Paper I

History of Oriental Art.

- CO 1 Describe the Painting of "Ajanta".
- CO 2 Write down the Jain School Painting.
- CO 3 Describe the 'Painting of Rajasthan.
- CO 4 Write down the School of Mewar.
- CO 5 Describe the Mughal School Painting.
- CO 6 Analyse Pahari Painting.
- CO 7 Describe the Indian Renaissance Painting.
- CO 8 Write about Chinese Painting.
- CO 9 Write about Persian Painting.
- CO 10 Write about Japanese Painting.

M.A. Previous Drawing & Painting Paper II

History of European Painting

- CO 1 Understand Pre Historic Painting.
- CO 2 Analyse the civilization of Egypt, Mesopotamia and Crete through its painting.
- CO 3 Describe Classical Painting.

- CO 4 Write down early Christian Byzantine painting and Gothic Paintings.
- CO 5 Describe Early Renaissance and High Renaissance through its paintings .
- CO 6 Analyse Baroque and Rococo Paintings.
- CO 7 Understand Neo-Classicism and Romanticism regarding their paintings.

M.A. Final Drawing & Painting Paper V

Philosophy of Art.

- CO 1 Write down the meaning of Art and Classification of Art.
- CO 2 Describe the Art and Religion.
- CO 3 Analyse the origin and Evaluation of Art.
- CO 4 Write down the about Rasa Siddhanta.
- CO 5 Describe the Chitra Sutra and Chitra Lakshana.
- CO 6 What do you know about Anand Coomaraswami.
- CO 7 Write about western Philosophy and Philosophers Plato, Hegel, Kant, Croce Etc.

M.A. Final Drawing & Painting Paper VI

History and Philosophy of Modern Art

- CO 1 Describe 'Modern Art, and analyse the socio economic and Political factors contributing to new trends and concepts of Art.
- CO 2 Understand Natural Landscape Painting, Realism, The Barbizon Group and the Pre-Raphaelites.
- CO 3 Analyse Impressionism, Post impressionism and New – Impressionism.
- CO 4 Understand Nabis art in the Perspectives of Modern Art.
- CO 5 Write down about fauvism , Cubism and Futurism.
- CO 6 Identify expressionism
- CO 7 Evaluate Abstract Art
- CO 8 Understand Dadaism, Surrealism,
- CO 9 Describe Fantastic Art and Abstract expressionism.
- CO 10 Identify Kinetic art and Pop Art.

Course Outcome Faculty of B.Ed.

B.Ed. Course Outcomes

Paper – I. BD 101 Childhood & Growing up

- CO1 To understand the meaning and importance of child development.
- CO2 To understand different stages of development, mental process of children with diverse abilities in social, cultural context.
- CO3 To understand social and Economical impact on child development.
- CO 4 To understand the problems of adolescence age and role of guidance and counseling.
- CO 5 To understand theories and factor affecting child development.
- CO 6 To understand child adjustment and mental hygiene.

Paper-II. BD 102 : Contemporary India and Education.

- CO 1 To develop understanding of Indian society and education.
- CO 2 The concept of education in context with the educational thoughts of great Indian educationists.
- CO 3 Understand the Indian constitution in perspective of education.
- CO 4 Understand the meaning, dimensions and indicators of national development.
- CO 5 Describe the role of education in sustainable national development in all its dimensions
- CO 6 Reflect on the role of education in conflict resolution.

Paper III BD 103 : Learning & Teaching

- CO 1 To understand the meaning of educational psychology, its scope and various methods.
- CO 2 To acquaint student-teachers with the Concept, nature and definition of teaching and learning, relationship between teaching and learning,
- CO 3 To enable them to describe the process of teaching and learning with identification of the factors influencing learning,
- CO 4 To motivate pupil teachers to employ the teaching maxims in their own teaching in future,
- CO 5 To familiarize them with the concept and nature of the phases of teaching and levels of learning & illustrate the various approaches to teaching.
- CO 6 To familiarize the student teachers with communicative teaching skills.
- CO 7 To make them understand the role of teacher in teaching & learning.

Paper-IV. BD 104 : Language across the Curriculum

- CO 1 To develop understanding about language diversity that exists in the classroom.
- CO 2 To develop listening and speaking ability.
- CO 3 To develop communication skills.
- CO 4 To develop reading and writing skills.
- CO 5 To understand the nature of classroom discourse and the role of teacher in classroom discourse.

Paper-V BD 105 : Understanding Disciplines and Subjects

- CO 1 To provide basic knowledge of various disciplines and subjects in the school curriculum.
- CO 2 To know the history of teaching of different disciplinary areas like language, mathematics, science and social science.
- CO 3 To know the content, theory and process of framing the syllabus of school subjects.
- CO 4 To understand Challenges of disciplines in school curriculum.
- CO 5 To have a knowledge Paradigm of framing disciplines at school level.
- CO 6 Able to link school knowledge with community life.

Paper-VI BD 106 : Pedagogy of School Subjects

Pedagogy of Science (Physics, Chemistry)

On completion of the course the student will be able to :

- CO 1 Understand the nature and structure of science.
- CO 2 Understand the aims and objectives of teaching science at different level of school education.
- CO 3 Apply principles of learning processes in teaching of science.
- CO 4 Discuss a topic in Science effectively by adopting appropriate teaching strategy.
- CO 5 Identify specific learning difficulties in science and provide suitable. Remedial / Individual Instruction.
- CO 6 Use effectively the teaching Aid.

Pedagogy of Biology

- CO1 Understand the aims and objectives of teaching biological science and its interrelationship with other branches of science.
- CO2 Develop adequate skills to use different effective methods of biology teaching.
- CO3 Develop competency to prepare teaching learning material in Biology and develop laboratory facilities and equipment.
- CO4 Develop skills to design and use various evaluation tools.
- CO5 Organizing Action research to solve the problems of teaching learning.

Pedagogy of Mathematics

- CO1: Describe the foundation of mathematical education.
- CO2: Classify the aims and objectives of teaching mathematics in secondary education.
- CO3 Discuss the procedure of Rationale, objective ,principles in the recent curricular reforms.
- CO4: Describe and discuss the methods and approaches of teaching of mathematics.
- CO5: Explain the learning resource in mathematics.
- CO6 Describe the meaning and purpose of evaluation of mathematics. To discuss the continuous and comprehensive evaluation.

Pedagogy of Social Science I (History & Civics)

- CO 1 Understand the nature, structure and scope of social science, develop on appreciation of the role and significance of social science.
- CO 2 Acquaint with appropriate methodology as applicable to social sciences subjects- History & Civics.
- CO 3 Acquire knowledge of various evaluation procedures and devices of effective evaluation tools.
- CO 4 They will be able to use different instructional materials for effective teaching of History and Civics.
- Co 5 Acquire the skills in teaching of History & Civics.

Pedagogy of Social Science II (Economics & Geography)

- CO 1 Understand the concept, meaning and scope of social science.
- CO 2 Acquaint with appropriate methodology as applicable to social sciences.
- CO 3 Enrich the knowledge of basics of Economics and to acquaint with the Indian Economy.
- CO 4 Enrich the knowledge of basics of Geography and to acquaint with the Indian geographical and climatic conditions.
- CO 5 Develop the skill in preparing and use of appropriate instructional materials.
- CO 6 Acquire the skill in teaching of social sciences.
- CO 7 Acquire the knowledge of various evaluation procedures and to devise effective evaluation tools.

Pedagogy of Commerce

- CO 1 To understand the meaning, nature and scope of Commerce Education.
- CO 2 To describe the aims, objectives and values of teaching Commerce at senior secondary level.
- CO 3 Will have knowledge of modern methods of teaching commerce.
- CO 4 Will be able to explain in detail the importance of paper teaching-learning material for effective instruction.
- CO 5 Will be able to explain the criteria for selection of international material & aids.
- CO 6 Draw out the evaluative remarks for text book in Commerce at secondary level.
- CO 7 To describe about concept, importance of evaluation, essay, short answer and objective type tests.
- CO 8 Explain the forms of evaluations, traditional and continuous, comprehensive evaluation.
- CO 9 Narrate about the summative assessment, formative assessment, analysis of errors in teaching learning.
- CO 10 Able to Explain how to conduct remedial teaching.

Pedagogy of Hindi

- 1 भाषा का अर्थ और प्रवृत्ति के विषय में जानकारी देना ।
2. मातृभाषा एवं राष्ट्रभाषा के रूप में हिन्दी भाषा के महत्व के संदर्भ में जानकारी देना ।
3. हिन्दी-भाषा शिक्षण के सामान्य सिद्धान्त एवं उद्देश्यों के विषय में अवगत कराना ।
4. स्वतन्त्रता से पहले और बाद में हिन्दी भाषा की स्थिति की जानकारी देना ।
5. भाषा शिक्षण की प्रमुख विधियों से छात्रों को अवगत कराना ।
6. अच्छी पाठ्य पुस्तक के गुण दोषों से छात्रों को अवगत कराना ।
7. पाठ योजना एवं कक्षा शिक्षण में प्रयुक्त होने वाली सहायक शिक्षण सामग्री के विषय में जानकारी देना ।
8. भाषा शिक्षण के लिखित एवं मौखिक मूल्यांकन के विषय में जानकारी देना ।

Pedagogy of English

- CO 1 To understand about the role, status, objectives and problems of Teaching English,
- CO 2 To develop proficiency in the language,
- CO 3 Teach basic skills (Language) LSRW and integrate them for communicative purpose,
- CO 4 To be familiar with the use of appropriate different approaches, and methods of Teaching English,
- CO 5 To be aware of the pedagogical practices required for teaching English (prose poetry, grammar, composition and drama related to the prescribed syllabus),
- CO 6 To facilitate the effective use of learning resources in the class-room both print and electronic material,
- CO 7 To be familiar with the Use various techniques for evaluation of learner's achievement in English Language,
- CO 8 To sensitize student teachers to identify and analysis errors of teaching learning and conduct remedial teaching.

Paper-VII BD 107 Art and Aesthetics in Education

- CO 1 Student teachers will be able to enhance their professional capacity by understanding and using the different art forms and their relevance for developing their aesthetic sense.
- CO 2 Student teachers will be able to develop artistic and aesthetic sensibilities and learn the use of graphic and performing art forms, drama, craft and music in teaching learning activities.

- CO 3 Student teachers will be able to understand the cultural and artistic significance of Indian festivals.

Paper VIII BD 108 "Critical Understanding of ICT"

- CO 1 To equip student and teachers with the effective use of ICT tools, software applications and digital resources,
CO 2 To familiarize them with the understanding and skills of integration of ICT in teaching learning, evaluation and management of an institution,
CO 3 To acquire the skill of organizing and creating her/his own digital resources,
CO 4 To sensitize them to practice safe, ethical and legal ways of using ICT,
CO 5 To enable them to use ICT for making classroom processes more inclusive and supportive in addressing multiple learning abilities.

B.Ed. II Course Outcomes

Paper-I BD 201 Knowledge and Curriculum

- CO 1 To understand the relative role of knower and the known in knowledge transmission and construction.
CO 2 To understand distinction between knowledge, skill, teaching and training.
CO 3 To understand the concept of curriculum and its nature and scope at secondary and senior secondary levels.
CO 4 Critical study of national curriculum framework of 2005 and 2009.
CO 5 To understand the role of states, local bodies and NGOs in the formation of school curriculum.
CO 6 Place of co-curricular activities in school curriculum.
CO 7 Place of language in school curriculum.
CO 8 role of teachers in proper class management and curriculum transaction.

Paper-II. BD 202 Assessment for learning

- CO 1 To explain the meaning , scope and characteristics of Assessment.
CO 2 To clarify the scales of Assessment, Nominal, Ordinal, Internal and Ratio scale.
CO 3 To throw the light on the relationship between Assessment, Measurement and Evaluation.
CO 4 To elucidate the significance of Educational Assessment at school level.
CO 5 To make clear the criteria of a good assessment tool.
CO 6 To explain the assessment of Intelligence, Personality, Creativity and Achievement.
CO 7 To describe the standardization of a good achievement test.
CO 8 To describe the characteristics of a good assessment system - Reliability, Validity, Objectivity etc.
CO. 9 To do comparative and critical study of Traditional Assessment System and Grading System.
Co 10 To enable the students to solve the problems related to measures of central tendency, standard deviation and correlation.

Paper -III BD 203 Creating Inclusive school

- CO 1 To understand the need to address the children with diversities.
CO 2 Characteristics and causes of diversities .
CO 3 Monitoring and controlling diversities in the classroom.
CO 4 Requirements of creating Inclusive school.
CO 5 Designing and implementing suitable curricular programme for an inclusive school.
CO 6 Supportive services in Inclusive Education to include children with diversities in main stream.
CO 7 New approaches to streamline diversities in inclusive classroom.

Paper-IV BD 204 Yoga Education

- CO 1 The course aims at developing a holistic vision of life and one self through yoga.
- CO 2 Adopt a wellness lifestyle and appreciation of values of peace.
- CO 3 Know about Meaning and definition of Yoga and Meditation.
- CO 4 Understand Philosophy of Yoga and its relation to individual and social upliftment.
- CO 5 Know the Instrumentals of Yoga (Sadhana Pod).
- CO 6 Organization of five day yoga camp focussing on Yoga practices, meditation and reflective sessions on use and applications of Yoga in schools and other related contexts.

Paper-V BD 205

(b) Environmental Education

- CO 1: To define the philosophy ,aims and subjects of environmental education and also discuss ecological perspectives and nature of environmental education.
- CO 2: To explain the environmental education related to the curriculum.
- CO 3 To describe the relation between Ecosystem and Man.
- CO 4 To understand and be aware about environmental crisis.
- CO 5 To understand the real meaning of sustainable development.

(d) Guidance and Counseling

- CO 1 To appreciate the nature, purpose and need for guidance and counseling,
- CO 2 To sensitize them towards the understanding of educational, vocational and personal guidance,
- CO 3 To familiarize the responsibilities and moral obligation of a counselor,
- CO 4 To develop capacity of applying the techniques and procedures of guidance and counseling,
- CO 5 To explore the sources of occupational information, their types and modes of dissemination,
- CO 6 To understand the concept, importance and theories of career development.

Course Outcome Faculty of Law

LL.B. I, Paper I

“Contract I – Law of Contract”

- CO 1 Learning the meaning and essentials of a valid Contract.
- CO 2 Use of kinds of Agreement and Contracts, Agreement and Contract, Illegal Agreement, Void, Voidable Contracts.
- CO 3 Conceptual knowledge of meaning and essentials elements of consideration.
- CO 4 Practical application knowledge of capacity to Contract with special focus on Minor Agreement.
- CO 5 Learning the meaning and Importance of free consent with reference to coercion, undue influence, fraud, Misrepresentation and Mistake.
- CO 6 Gain the knowledge of what are lawful object and consideration.
- CO 7 Learning the differentiations of different kinds of void Agreements.
- CO 8 Knowledge of the define Contingent Contract and its difference with Wagering Agreement.
- CO 9 To differentiate the different modes of discharge from Contract and wagering Agreement.
- CO 10 Learning the application of rectification, Rescission and Cancellation of Instrument and Discretion of the Courts in regards to the Declaratory Decrees.

LL.B. 1st year Paper - II

Arbitration and Conciliation

- CO 1 Explain Arbitration and Conciliation Act 1996 and benefits of this Act for legal aspects and Social Aspects
- CO 2 Describe the Requirement of Arbitration and conciliation for society
- CO 3 Explain Litigations can less by Arbitration and conciliation in court
- CO 4 Describe every person can get Benefit of Arbitration and Conciliation if he is involve in any case
- CO 5 Explain importance of Arbitration and conciliation Act on Social, Economical and Moral Status
- CO 6 Describe competence of Arbitral Tribunal to rule on its Jurisdiction
- CO 7 Explain effect of finality of and Enforcement of Arbitration Awards
- CO 8 Explain Arbitration is the reference of dispute between not less than two parties and conciliation is an alternative dispute resolution process whereby the parties to a dispute use a conciliator

LL.B- I : Paper : III

“Torts and Consumer Protection Act”

- CO 1 Describe the Meaning, Nature, Scope and General Principles of Torts.
- CO 2 Describe the General Defenses and Immunity of Law of Torts and Joint and independent tort Feasers.
- CO 3 Write down the Malicious Prosecution, Nervous Shock, False imprisonment, Battery and assault, Tress Pass, and Public Nuisance.
- CO 4 Write down the classification and characteristics of Defamation and describe differences with Libel, Slander and Innuendo.
- CO 5 Describe the Principles of Strict and Absolute Liability, Vicarious Liability.
- CO 6 Write down the classification and characteristics of Negligence and Contributory Negligence.
- CO 7 Describe the term Consumer, Salient features of Consumer Protection Act
- CO 8 Describe the Constitution, Jurisdiction and Powers of State Commission and state consumer council and District consumer forum.

LL.B. I : Paper IV

Family Law I “Hindu Law”,

- CO 1 Describe origin, nature of Hindu Law with its sources & schools i.e. Dayabhag & Mitakshara.
- CO 2 Why the Hindu law is taught as personal law ? Why the descriptions of general topics such as Gift, Will, Debt, Religious & Charitable endowments etc. are taught in Hindu Law ?
- CO 3 Describe concept of Hindu marriage with previous & present approach and concept of Nullity of marriage. Explanation of Hindu Marriage Act 1956 with its salient features, scope, applicability etc.
- CO 4 Describe Dissolution of Marriage: Types, Theories, Judicial separation, Divorce, Restitution of conjugal rights & consequences of dissolution of marriage.
- CO 5 Concept of Stridhan & women estate with latest amendments in Hindu Succession Act 1956 & its importance & consequences.
- CO 6 Describe concept of Adoption & Maintenance: meaning scope etc with comparative analysis between pre laws & present law.
- CO 7 Concept of Hindu Minority & Guardianship Act 1956; extent, applicability, importance etc with its historical background.
- CO 8 Describe Extent & applicability of Hindu Succession Act 1956, its salient features, doctrine of inheritance i.e. survivorship & succession with brief discussions on Indian Succession Act 1925 too.
- CO 9 Discussions on some land mark cases on Hindu Law with its judgment outcomes of different superior courts such as Privy Council, High Courts & Supreme Court for legal awareness & subject updating.

Sample COs of the Course “Muslim law - family law II”.

LL.B. First year : Paper - V

- 1. Describe various sources and schools of Muslim law.
- 2. Describe Muslim law and why it is taught?
- 3. Describe Nikah- Muslim marriage, polygamous nature and prohibition of nikah.
- 4. The concept of dower and divorce, whether dower is sale price of a bride. History and consequences of triple divorce.
- 5. Legitimacy and parentage presumption and acknowledgement of legitimacy.
- 6. Guardianship its classification and presumptions. Describe the concept of minority.
- 7. Describe general rules regarding gift-Hiba, future gifts, conditions relating to it.
- 8. Describe will, its form, formalities and conditions.
- 9. The concept of wakf in India. Kinds, nature and importance of wakf, formalities conditions and subject matters of wakf.
- 10. Extent and application of Special Marriage Act, 1954.

Describe its general features and formalities. Application of law of pre-emption in India.

LL.B. – I year : Paper - VI

“INDIAN PENAL CODE” (Law of Crimes)

- CO 1 Describe legislative act indian penal code 1860 as a general penal code for india. It is a comprehensive code intended to cover all substantive aspects of criminal law.
- CO 2 Definition of crimes and definition of various types of offences.
- CO 3 Provision for the punishment of various type of offences.
- CO 4 Causing injury is an offence and the word injury denotes any harm whatever illegally Caused to any person in body, mind, reputation or property.
- CO 5 General exception is an exception of any offences ie Mistake of fact, accident, necessity, Childness, insanity, drunkenness, consent etc.

- CO 6 Definition of right of private defence. Causing harm in accordance to the private defence is not an offence.
- CO 7 Distinguish between culpable homicide and murder.
- CO 8 Attempt of any offence is an offence itself.

LL.B.- I year Paper VII

Constitutional law of India "

- CO 1 To describe salient features and nature of the Constitution of India.
 - CO 2 To discuss the Directive Principles of State Policy and the fundamental duties.
 - CO 3 To describe fundamental rights, its kinds with latest case laws.
 - CO 4 To describe President and Union Executive, Governor and State Executive.
 - CO 5 To write down the Emergency provisions, its kinds and effect.
 - CO 6 To discuss on the administrative and financial relations between Union and the State.
 - CO 7 To discuss the parliament and State legislature.
 - CO 8 To write down the Amendment of the Constitution.
 - CO 9 To describe the Supreme Court and the High Courts.
 - CO 10 To describe the constitutional safeguard to servant of the Government.
- Course Paper VIII " Legal language, Legal writing including General English "

LL.B.- I Year Paper VIII

- CO 1 To describe the rules of translation. And to make understand the method of translation from Hindi to English and vice versa.
- CO 2 To make understand the meaning of legal words in Hindi and English both with their use in sentences.
- CO 3 To explain the meaning of legal terms and phrases from English to Hindi and vice versa with their use in sentences.
- CO 4 To discuss an essay on a topic to legal interest in Hindi and English both and to explain the importance of these legal issues for our society.
- CO 5 To describe the importance of legal language (Hindi and English both) with special reference to the decided case laws of Supreme Court and the High Courts.
- CO 6 To explain the rules of grammar with correct spelling of legal terms to make practice the correction of sentences and word formation and the consequences of using the wrong terms.
- CO 7 To describe and discuss the synonyms and antonyms of legal words in Hindi and English and to explain the importance of synonyms and antonyms.
- CO 8 To write down the Applications, Notices and Affidavits in Hindi and English.

LL.B. II : Paper Ist.

Jurisprudence

- CO 1 Describe Jurisprudence, Nature, Scope of Study, Utility & Future growth of the subject. To explore the relationship between Jurisprudence & the social sciences with areas of humanities.
- CO 2 Describe branches & sources i.e. ancient & modern sources of jurisprudence. Why the jurisprudence is taught in LL.B.? How the sources of law such as Judicial precedent, Legislation & customs etc. are useful to understand jurisprudence/law.
- CO 3 What are different schools of jurisprudence with its theories propounded by jurists under different school, their contribution & analyses criticism to their theories. Concept of Law, to understand what law is or what the law ought to be kinds of law & how the law is classified?
- CO 4 Describe the concept of Rights & Duties, kinds of legal rights, theories & enforcement process of legal rights & duties.

- CO 5 Describe the meaning of possession, its elements mode of acquiring possession importance & the reasons why should be protected by law? Describe the concept of ownership, elements, kinds, differentiations with possession.
- CO 6 Describe the concept & meaning of liability, its classification & different theories of liability.
- CO 7 Describe the different concepts relating to Law such as Property, Title, Obligations, State, Administration of Justice, Law of Procedure etc. with then theories & relevancy.
- CO 8 Define the term person, its kinds, elements theories of legal personality with special reference to legal personality of corporations.
- CO 9 Describe the recent trends in International & Indian Jurisprudence with case study.

LL.B.- II year Paper II

The Code of Criminal Procedure, Juvenile Justice Act and Probation of Offenders Act

- CO1 To explain the provisions of the Code of Criminal Procedure with its historical background, Extent and Commencement and to define the terminologies used under this code. To discuss the classes and constitution of criminal courts under this code with its powers.
- CO2 To describe the various procedure of arrest of persons. Who can be arrested by whom? Under what circumstances and by what procedure? To discuss about the procedure to compel appearance of persons by Summons, Warrant, Proclamation and Attachment.
- CO3 To describe the procedure to claim the maintenance by wives, children and parents. To discuss the provisions relating to FIR, Police report, Inquest report, Inquiry, Investigation and Examination in detail
- CO4 To define the jurisdiction of the criminal courts in enquiries and trials and conditions requisite for initiation of proceedings.
- CO5 To discuss the procedure regarding complaints to Magistrate and commencement of proceedings before magistrates and to frame the charges.
- CO6 To define and describe all four types of trials before different criminal courts including Court of Session and Courts of Magistrates.
- CO7 To explain other provisions regarding plea bargaining, evidence, enquiries, trials, accused of unsound mind, judgement, death sentence etc.
- CO8 To discuss in detail Appeal, Reference, Revision, Bail and Bonds. To describe the procedure of transfer of cases. And the rules of limitation and other related provisions.
- CO9 To describe in detail the provisions relating to Juveniles, Observation Home, Remand Home, Correction Homes, Child in need of care and Protection.
- CO10 To define Probation, Admonition and laws relating to Probations of offenders. To describe powers of Courts to release offenders after admonition and on probation of good conduct.

LL.B- II : Paper III

“Transfer of Property Act and Easement Act”

- CO 1 Describe the Transfer of Property, whether Movable or Immovable.
- CO 2 Describe the sale of Immovable Property.
- CO 3 Describe the Mortgage of Immovable property and Charges and explain rights and duties of Mortgagor and Mortgagee.
- CO 4 Describe the Lease of Immovable Property.
- CO 5 Describe the Exchange.
- CO 6 Describe general rule regarding Gift and Onerous Gift.
- CO 7 Describe Transfer of Actionable Claims.

- CO 8 Describe Easement, Essential Elements of Easement and Methods of Acquired of Easement.
- CO 9 Describe Various modes of Suspension and Revival of Easement.
- CO 10 Describe License, Right and Duty of Grantor, Circumstances a License can be Revoked.

LL.B. – II year : Paper IV

“THE INDIAN EVIDENCE ACT 1872”

- CO 1 The indian evidence act is necessary for the consolidate , define and amend the law of evidence.
- CO 2 This is a procedural law and it make an important role in legal proceedings whether it is civil proceedings or criminal proceedings.
- CO 3 Definition of fact, evidence, relevant fact and fact in issue.
- CO 4 Identify the more valuable evidence and less valuable evidence.
- CO 5 Provisions for the inadmissibility of some evidence whether it is relevant.
- CO 6 Which type of evidence can be rejected or admitted by the court.
- CO 7 Provisions for burden of proof.
- CO 8 Some privileged communication can not be an evidence ie. Communication between Course Paper V “ The Code of Civil Procedure“

LL.B.- II Year Paper V

- CO 1 Describe the Code of Civil Procedure, Commencement and Extent.
- CO 2 Define Decree in detail with its types.
- CO 3 Explain the Expression “Suit of Civil nature” and discuss with decided case laws.
- CO 4 Explain the principal of Res judicata.
- CO 5 Discussion on the rules determining the place of suing in civil cases.
- CO 6 Write down the general provisions of Execution
- CO 7 Explain Appeal. Reference, review and revision.
- CO 8 Describe important orders according to syllabus.
- CO 9 Explain limitation of suits, Appeals, and applications.
- CO 10 Describe the computation of period of limitation.

LL.B. – IIInd Year : Paper VI

“Contract II – Law of Contract”

- CO 1 Learning the meaning of Indemnity and guarantee and its difference.
- CO 2 Learning the meaning of Bailment and Pledge and its difference.
- CO 3 Knowledge of the process of creation of Agency and Relation between the Principal and Agent.
- CO 4 Knowledge about the Rights and Duties of Principal and Agents.
- CO 5 Knowledge of the process of Rectification of the Act done by the Agent by the Principal.
- CO 6 Learning the definition in details about Conditions and Warranties.
- CO 7 Knowledge of the Rights of the unpaid seller against the Goods.
- CO 8 Practical Application Knowledge of Suits of Breach of Contract by the Buyer and Seller.
- CO 9 Learning of the Nature of Partnership and Relation of Partners with each other.
- CO 10 Knowledge of the Process of Registration of Partnership firm and Process for the Dissolution of the Partnership firm.

LL.B. II Year Paper-VII Paper

“INTERPRETATION OF STATUTES”.

1. Classification of statutes, General principles of interpretation and construction.
2. Describe beneficial construction circumstances and its applicability.

3. Explanation of strict construction of penal and taxing statute. The concept of benefit of doubt.
4. Classification of mandatory and directory Enactments, describe conjunctive and disjunctive Enactments.
5. Describe various internal aid to interpretation and external aid to interpretation,
6. Write down various presumptions regarding jurisdiction, classify ouster and creation of enlargement of jurisdiction.
7. Explain commencement repeal and revival of legislation.
8. Describe retrospective operation of a statute interpretation of statute in Pari materia.
9. Write down the interpretation of constitution. Describe colourable legislation and the doctrine of pith and substance.
10. Describe the extent, application and object of the General Clauses Act, 1897.

LL.B. IInd year : Paper VIII (iii)

Taxation

- CO 1 Explain Taxation law is compulsory for society
- CO 2 Benefits of Taxation Law of Public
- CO 3 Explain Importance of Taxation Law on Legal aspects and social aspects
- CO 4 Explain main source of income for Central Government because it is fixed income for Government
- CO 5 Describe Taxation law gives long term capital gain and capital gain gives benefits for country
- CO 6 Discusses the law regarding to tax exemption and liability of tax on the income of any charitable trust and institution and Benefits of Charitable Tax Exemption for society
- CO 7 Explain Taxation is used as an instrument of economic policy and main objectives of taxation is to raise revenue to meet huge public expenditure.

LL.B. – IIIrd Year : Paper I

“U.P. Zamindari Abolition and Land Revenue Act”

- CO 1 Learning the process of Acquisition of the Interest of Intermediaries and its Consequences.
- CO 2 Knowledge of the Classification of the Tenure holders.
- CO 3 Knowledge of the Powers and functions of Gram Sabha and the Land Management Committee.
- CO 4 Knowledge of the Rights of Bhumidhan with transferable and Bhumidhan with Non-transferable Rights.
- CO 5 Process practical knowledge of Succession process under UP2ALR in case of inherited and Personal Property.
- CO 6 Practical knowledge of Land Revenue and its assessment in a village.
- CO 7 Process of Collection of Land Revenue.
- CO 8 Practical application of Maintenance and Revision of maps and Records.
- CO 9 Knowledge of the Procedure of Revenue officers and Revenue Courts.
- CO 10 Process practical knowledge of Appeals and Revision in the Revenue Courts including Board of Revenue.

LL.B- III : Paper II Course Paper VIII

‘Equity, Trust and Fiduciary Relations “ “Human rights and International Law”

- CO 1 Write down Definition and General Principles of International Law.
- CO 2 Describe Various Sources , Nature and Scope of International Law
- CO 3 Describe Recognition of State, State Succession, State Territory and State Responsibility.

- CO 4 Describe Intervention, Extradition, Diplomatic Agent and Nationality.
- CO 5 Write down the classification of Privacy and the law of the Sea.
- CO 6 Write down the classification of Treaties.
- CO 7 Describe the Settlement of International Dispute and Laws of War.
- CO 8 Write down the classification and characteristics of Neutrality.
- CO 9 Describe the UNO and International Institutions.
- CO 10 Describe the Regional and Universal Protection of Human Rights.

LL.B. III Year Paper-III

“Administrative Law”

1. Describe history, nature and scope of Administrative law.
2. Describe the doctrine of separation of power and rule of law.
3. Describe Administration and its function. Describe french system of droit administratif.
4. Explain delegated legislation in general and its controls.
5. Write down the importance of the principles of natural justice.
6. Describe administrative discretion and its control.
7. Describe various judicial remedies – writs.
8. Write down the importance, object and application of Tribunals, Corporations. Describe the role of Ombudsman.
9. Describe the position of a Suit against government in contract and tort.
10. Explain the power of administration of Investigation and enquiry.

LL.B.- III year Paper IV

“ Company Law ”

- CO 1 To describe Company and its kinds, advantages and disadvantages of incorporation of company.
- CO 2 To describe formation of company, Articles of Association, Memorandum of Association and Prospectus of company.
- CO 3 To explain the Doctrine of Indoor Management and Ultra Virus
- CO 4 To discuss the formation of company.
- CO 5 To define Shares, Debenture, Allotment, transfer and forfeiture of shares.
- CO 6 To write down the management and control of company directors auditors and meeting.
- CO 7 To describe the management of company.
- CO 8 To describe the winding up, its types and provisions applicable to every mode of winding up.

LL.B. IIIrd year : Paper V

Labour Law

- CO 1 Explain Labour Law benefits of workers and employer
- CO 2 Describe Without Labour Law employee and employer feel unsafe
- CO 3 Explain Labour Law's and History and Present Position shows improvement in society and her employee and employer
- CO 4 Describe Present Position of Labour Law importance of Legal Status and Social and Economical Status
- CO 5 Describe the Form and aware and settlement of disputes and contained in Industrial Disputes Act 1947 State the circumstances when a settlement is binding on parties involved
- CO 6 Explain Effect of strikes and Lockout on employees and employer
- CO 7 Explain Benefits of the Employees State Insurance Act 1948 without insurance of any worker will be effect in future

- CO 8 Describe Labour law provide social justice to the workers by ensuring suitable distribution of profits and benefits among the employer and employee

Law, LL.B. III : Paper - VI

Course outcomes of: Environmental

- CO 1 Describe the meaning of Environment, Environmental Law, Nature, Scope & Importance of Environmental Law. Why the Environmental Law is taught in LL.B.?
- CO 2 Describe Environment with its components, variables & significance of its study. Man & Environment in different eras such as primitive, middle & modern period with its consequences & importance.
- CO 3 What is Pollution, explain nature, kinds, consequences & its prevention. Pollution : A prize tag on modern society. Concepts relating to Environment-Hazardous substances environment, Impact assessment, sustainable development etc.
- CO 4 What are the Constitutional commitment to protection of the environment, Public Interest Litigation, Judicial Activism, establishment of Green Courts etc.
- CO 5 Describe initiatives taken at an International level to protect the environment such as UNO, earth summit, conferences, declarations & its relevancy.
- CO 6 Describe Extent & Applicability of Environment Protection Act 1986 describe salient features, extent.
- CO 7 Describe various topics relating to environment such as Public liability insurance act, National Environment Tribunal act, Coastal zone management, Environment Audit Eco Mark, Ozone Depletion, Global warming, Green house effect, Corporate Liability for environment damages, Disaster Management, Environment Management etc.
- CO 8 Make a critical appraisal of protection of the environment with special reference to provisions of the Indian Penal Code, Criminal Procedure Code, Civil Procedure Code Law of Torts etc. What is the role of Pollution Control Board, Statutory Boards, Non Government Organisations etc. in protection of environment.
- CO 9 Explain Extent & applicability of wild life protection Act 1972 Describe salient features with special reference to provisions of punishment & penalties in protection of wild life & environment, explaining the purpose, scope, concepts relating to wild life such as insitu, exsitu etc., its importance & historical background of wild life protection.
- CO 10 Discussions on some landmark reported & unreported cases with decisions, on environmental law.

LL.B. - III year : Paper - VII (v)

“CRIMINOLOGY AND PENOLOGY”

- CO 1 Criminology is the scientific study of the nature, cause, control and Prevention of criminal behaviour.
- CO 2 Criminology finds the cause of crime by the criminal's environment.
- CO 3 Learning of criminal behaviour by the society.
- CO 4 Distinguish between adult and juvenile justice system.
- CO 5 Modern method of investigation by the police administration.
- CO 6 Penology is the study of punishment of crime and prison management.
- CO 7 Definition of parole, probation, indeterminate sentence and recidivism.
- CO 8 Study about new dimensions of crime i.e. white colour crime, cyber Crime, hacking, mob lynching etc.

LL.B.- III year Paper VIII (v)

- CO 1 To Explain Conception, Description, History of Equity in relation to common law.
- CO 2 To define Equity in relation to common law.
- CO 3 To classify the jurisdiction of Equity and Judicature Act.
- CO 4 To Explain the maxims of equity.

- CO 5 To Classify the Equitable rights. To explain Election, Mistake, Fraud, Misrepresentation, Undue Influence.
- CO 6 To explain the conception and definition of trust with their kinds.
- CO 7 To describe the formation and extinction of Trust and transactions similar to trust in nature.
- CO 8 To describe appointment, removal, rights, duties, powers and liabilities of trustees.
- CO 9 To explain and discuss the rights, duties, powers and liabilities of beneficiaries.
- CO 10 To discuss Fiduciary Relations with examples with special reference to other laws.

Course Outcome Faculty of Physical Education

B.A. I

Foundations Of Physical Education

- CO 1 Describe the education, Physical Education, its aims and objectives.
- CO 2 Define the meaning, definitions and scope of Physical Education.
- CO 3 Importance of various Philosophical Foundation in Physical Education.
- CO 4 Describe the growth and development, age and sex. Identify the age of the individual by chronological, anatomical and physiological age.
- CO 5 Write down the sports as man's cultural heritage and sociological implications of Physical Education & Sports.

B.A. I

History Of Physical Education

- CO 1 To know the history of Physical Education in ancient time Greek, Rome, Athens and Sports.
- CO 2 To know the Indian history of Physical Education before & after the independence and important institution of Physical Education like YMCA, LNIPE etc.
- CO 3 To know the history and organization of different sports competitions like Olympic Games, Asian Games, Commonwealth Games etc.
- CO 4 To know the functions and objectives of the various Institute of sports in India their contribution in Physical Education like NIS Patiala , SAI, IOA, NSFI etc.

B.A. I

Anatomy And Physiology In Physical Education

- CO 1 Define the meaning, definition, need and importance of anatomy and Physiology In Physical Education.
- CO 2 Classify the various systems of the body to understand the skeletal and muscular systems, respiratory, digestive circulatory system their organs and functions.

B.A. II

YEAR Physical Education

- PSO-1 To Understand the health and health Education, meaning, definition, scope etc.
- PSO-2 To understand the diet, nutrition for athletes.
- PSO-3 To know the effects of drugs and tobacco on the performance of athletes.
- PSO-4 To know the use of first aid in various sports injuries during the competitions.
- PSO-5 To understand communicable diseases their mode of transmission and method of prevention.
- PSO-6 To understand the various postural deformities and their remedial exercises ,
a- kyphosis, b-scoliosis, c- lordosis , knock knee,e-flat foot.
- PSO-7 To understand the sports psychology, growth and development. physical, mental and social development.
- PSO-8 To know the various types of emotions, learning, motivation and personality in physical education.
- PSO-9 To understand the various parts injuries, their treatment rehabilitation and therapeutic exercises.
- PSO-10:-to know the various types of massage their techniques and theraputic uses.

B.A. II

Health Education

- CO 1 Define the definition, meaning of health and health education and its importance for physical education.
- CO 2 The students are enable to understand the use and benefits of balance diet of athletes.

- CO 3 The students are enabled to understand the effects of doping, drugs and tobacco on the performance of athletes.
- CO 4 To understand the importance of first aids in sports and understand the various sports injuries and their treatment.
- CO 5 Understand the various communicable diseases and their mode of transmission and methods of prevention.
- CO 6 Students are enabled to know the various types of postures, their causes and remedial exercises.

B.A. II

Psychological Foundation Of Physical Education

- CO 1 To define the sports psychology its need and importance in Physical Education & sports.
- CO 2 Students are enabled to know the growth & development in various stages and their effecting factors in early, middle, late childhood and in adolescences period.
- CO 3 Student are enabled to understand the meaning, nature and theory of learning.
- CO 4 To understand the motivation its type, factors and role of motivation in Physical Education & Sports.
- CO 5 Students are enabled to know the various types of emotion and personality dimension and affecting factors and uses in Physical Education.

B.A. II

Year Athletics Injuries & Rehabilitation

- CO 1 To understand the various sports injuries their treatment and prevention.
- CO 2 To understand the common sports injuries and their immediate treatment like Sprain, Strain, Dislocation & fracture.
- CO 3 To know the rehabilitation in sports and how to overcome in an athlete in his previous position by applying certain therapies.
- CO 4 Define the various therapeutic exercises for recovered the injuries.
- CO 5 To define the massage manipulation and technique.
- CO 6 To understand the common massage technique and their therapeutic uses like Effleurage, Kneading, Petrissage, Friction, Stroking, Percussion manipulation, Shaking manipulation.