

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

## **Programme and course outcomes**

### **Session – 2023-24**



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## 2.6 Student Performance and Learning Outcomes

**2.6.1. Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

Govt. Nehru PG college Dongargarh College has 14 subjects out of which 10 subjects are taught as major subjects. T programme outcomes, programme specific outcomes and course outcomes of each subject are mentioned below.

### **COURSE OUTCOME**

#### **BA ENGLISH LITERATURE**

**(PART – I, II & III)**

There are two papers in the English literature of each academic year. Each paper carrying maximum marks of 75. Each question carries the marks according to the scheme mentioned in each paper. Minimum passing marks will be 50.

At the end of the BA course in English Literature the student can:

- **Read** and interpret the Basic English literary texts. The students will have basic knowledge of the Ancient Greek Literature, Roman Literature and the Renaissance English.
- **Acquisition** - Student will acquire knowledge of the use and interpretation of the literary texts and to introduce and felicitate students to understand the history of post-war reflection of life in literature. To focus on the demeanour behind the paradigm shift from orthodoxy to radical life during the modern age.
- **Engage** them in the life-long learning process.
- **Research** – Students will be capable to explore and research in the field of literature more with progress of the course.
- **Assist** students in the field of literacy, intellectuality, flexibility and adaptability to different cultures.
- **Understanding** – Students will develop an understanding towards the less familiar texts and will read them more for the proper usage.
- **Description** – Students will describe, analyse and interpret literary texts critically exploring ideas and themes by themselves.
- **Aesthetic sense** - Students will develop an aesthetic sense and a sense of love towards the literature and learning and interpreting the concept of individualism and equality at all inclusive levels.

- **Expressive** - The learning of the literature will make them more expressive and sharpen their artistic outlook further, retracting the ideas of the 'modern' mindset and the cultural transition.
- **Language** – Students will learn and use the literary language in their writings and will also be able to create poetry and prose of their own.
- **Acquaint** with various schools of thought in the modern age leading to Post-modern age and new trends in English theatre.
- **Analyses** the effects of socio-cultural changes in the poetry of the century.
- **Future Scope** – Students can secure their future in the fields of transcription, teaching and education, language curators etc.

**BA, BSc & B.Com (PART – I, II & III)**  
**FOUNDATION COURSE**  
**(ENGLISH LANGUAGE)**

The subject Foundation Course has been divided into two separate papers; Paper-II – English Language. The paper is of maximum marks 75 and minimum pass mark is 26. The candidate has to pass each paper separately.

At the end of the course in the English Language the student can:

- **Read** and write the in the language
- **Acquisition** - Student will acquire knowledge of the use and interpretation of the texts.
- **Engage** them in the life-long learning process.
- **Write** – Student can write and describe his thoughts in the language
- **Assist** students in the field of literacy, intellectuality, flexibility and adaptability to different cultures.
- **Understanding** – Students will develop an understanding of the less familiar texts and will read them more for the proper usage.
- **Description** – Students will be able to describe the incidences and events in the language
- **Aesthetic sense** - Students will develop an aesthetic sense and a sense of love towards the literature and learning.
- **Expressive** - The learning of the literature will make them more expressive and sharpen their artistic outlook.
- **Language** – Students will learn and use the literary language in their writings and will also be able to create poetry and prose of their own.
- **Future Scope** – Students can secure their future in the fields of translation, transcription, teaching and education, language curators etc.

**B.Com./B.Sc. /B.A. – F.C. – Paper- I (Hindi Language)**

**(आधार पाठ्यक्रम हिन्दी भाषा)**

- हिंदी भाषा के व्याकरण नियमों को समझना ताकि बिना त्रुटियों के भाषा के उपयोग को विकसित किया जा सके।
- समकालीन आवश्यकताओं के सहयोग से हिंदी भाषा व साहित्य को समझने के लिए।

- युवाओं के बीच हिंदी भाषा का उपयोग को बढ़ावा देना और प्रसार के लिए ।
- प्रसिद्ध साहित्यकारों की दृष्टि से प्रेरणादायक जीवन दर्शन को विकसित करना ।
- कार्यालयीन हिंदी के माध्यम से अधिकारी पत्र लिखने के कौशल को विकसित करना ।
- बुनियादी सूचना कौशल को अद्यतन और विस्तृत करने के लिए ताकि विद्यार्थी हिंदी कंप्यूटिंग के महत्व और संभावनाओं से परिचित हो सकें ।
- आईसीटी की मदद से भाषा के उपयोग को बढ़ाने के लिए ।
- भारतीय संस्कृति और परंपरा के साथ हिंदी में संवाद कौशल और संप्रेषण की दक्षता अर्जित कर अखिल भारतीय और राज्य सेवाओं की प्रतियोगी परीक्षा में सम्मिलित हो सके ।
- पाठ्यक्रम को समाप्त करने के उपरांत निम्नलिखित परिणाम मिल सकते हैं
- भारतीय भारतीय लोक सेवा आयोग की प्रतियोगिता मूलक परीक्षा में बैठने की योग्यता प्राप्त होना
- अनुवादक के रूप में देश के प्रशासनिक व्यवस्था अथवा विविध क्षेत्रों में सहायक के रूप में नियुक्ति
- रचनात्मक लेखन के द्वारा भारतीय संस्कृति और साहित्य के क्षेत्र में अपना योगदान दे सकते हैं ।
- इस पाठ्यक्रम के माध्यम से विभिन्न सरकारी उच्च सरकारी एवं गैर सरकारी संस्थान जैसे
- भारतीय रेलवे भर्ती बोर्ड, भारत संचार निगम लिमिटेड, भारतीय खाद्य निगम, संयुक्त रक्षा अकादमी,
- भारतीय इस्पात प्राधिकरण आदि पर कार्यरत हो सकते हैं
- बैंकों में हिन्दी अधिकारियों की नियुक्ति तथा विभिन्न खेलों हेतु कमेंटेटर की नियुक्ति ।
- फिल्म, दूरदर्शन, विज्ञापन, डिस्कवरी चैनल आदि में हिन्दी में डबिंग करने हेतु नियुक्ति ।
- कुछ बहुराष्ट्रीय कम्पनियों द्वारा हिन्दी भाषा के जानकारों को प्राथमिकता ।
- स्कूलों, महाविद्यालयों, विश्वविद्यालयों में हिन्दी अध्यापन-प्राध्यापन हेतु शिक्षकों-प्राध्यापकों के रूप में नियुक्ति ।

### **B.A. – Hindi Literature (हिंदी साहित्य)**

- हिंदी साहित्य की विविध विधाओं से परिचित होना ।
- साहित्य के पठन-पाठन के माध्यम से मूल्यों के महत्व को प्रदर्शित करना ।
- साहित्य और भाषा के माध्यम से सामाजिक मुद्दों का समाधान करना ।
- विभिन्न साहित्यकारों के व्यक्तित्व एवं कृतित्व से परिचित होना ।
- विद्यार्थियों को हिंदी की मूल आधार भाषाएं तथा विभिन्न बोलियों से अवगत कराना ।
- हिंदी भाषा व साहित्य से जुड़ी ऐतिहासिक सांस्कृतिक पारंपरिक साहित्यिक शैक्षणिक पृष्ठभूमि की यात्रा से परिचित कराना ।
- पाठ्यक्रम द्वारा अवसरो की उपलब्धता:
- सरकारी संस्थानों एवं सार्वजनिक उपक्रमों में हिन्दी अनुवादकों एवं हिन्दी अधिकारियों की नियुक्ति ।
- बैंकों में हिन्दी अधिकारियों की नियुक्ति तथा विभिन्न खेलों हेतु कमेंटेटर की नियुक्ति ।
- पटकथा लेखक,संवाद लेखक, विज्ञापन लेखक के रूप में नियुक्ति ।
- प्रूफ शोधक, निवेदक और सूत्र संचालक के रूप में नियुक्ति ।
- प्रिंट मीडिया एवं इलेक्ट्रॉनिक मीडिया में विभिन्न पदों में नियुक्ति ।

**BACHELOR OF ARTS**  
**(Subject: Political Science, Economics, History, Geography & Home Science) First, Second & Third Year**

**Political Science:-**

- Students will be able to access the primary literature, identify the relevant work for particular topic and evaluate the content of this study.
- Establish the ideal political system and encourage students to participate in awareness programme.
- The students should know the importance of democracy as the back bone of the nation.
- Understand Constitutional Framework of state and central government.
- Know about Right to Information Act.
- Understand the basic concepts of political theories
- Study the fundamental right and duties in reality
- Analyze the thoughts of Political Thinkers.
- To analyze the source and making of Constitution and understand the objectives of constitution.
- To understand the importance of Preamble of the Constitution, Fundamental Rights, Directive Principles of State Policy
- To analyze the working of the Union Executive - President, Vice-President, Prime Minister, Council of Ministers; State Executive- Governor, Chief Minister and Council of Ministers.
- To understanding the working of the Union Legislature- Parliament-Composition and Functions and the Composition and functioning of the State Legislature-Vidhan Sabha; Panchayati Raj Institutions
- To analyze the working of Judiciary-Supreme Court, High Courts, Judicial Review and Judicial
- To Analyze the Federalism and its Working with reference to Centre-State Relations
- To understand demand for State Autonomy; Emerging Trends in Indian Federalism.
- To understand the working of Election Commission, Electoral Process and its defects and Voting Behavior, Electoral Reforms, Problem of Defection.
- To analyze the Party System in India: National and Regional Political Parties, Interest and Pressure Groups.
- Role of Caste, Religion, Language, Regionalism in India, Politics of Reservation, Emerging Trends and Challenges before Indian Political System.

**ECONOMICS:-**

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

- Understand the fundamental concepts of Economics
- Understand the theory of Production and Cost
- Understand the process of commercial and central Banking
- Study economic development and economic growth
- Study Environment, ecology and pollution control.

## History:-

- भारत का इतिहास, प्रारंभ से 1206 ई. तक
- विश्व का इतिहास—1453 ई. से 1890 ई. तक
- भारत का इतिहास 1206 ई. से 1761 ई. तक
- विश्व का इतिहास 1890 ई. से 1964 ई. तक
- भारत का इतिहास सन् 1761 ई. से 1950 ई. तक
- विश्व इतिहास – सन् 1871 ई. से 1945 ई. तक

## Geography:-

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

- Understand the fundamental concepts of Geography
- Understand the effect of rotation of revolution the Earth.
- Know the internal and interior structure of the earth.
- Study the formation of Rocks.
- Understand the work of internal and external forces and their associated landforms.
- Understand the types of Elements of Weather and Climate, Composition and Structure of the Atmosphere.
- Understand the relationship of man and environment
- Demonstrate an understanding of the concept, principles and theories in the field of economic geography
- Demonstrate the knowledge of basic concepts in economic and resources geography
- Comprehend the linkages of systematic geography of India with the regional personality of the country.
- The completion of the course the students of resources and environment.
- The completion of the course the students of geography of India(with special reference to Chhattisgarh)

## Home Science:-

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

- Develop understanding of scope and concepts of anatomy and Physiological function of skeletal system, Circulatory system, digestive system and nervous system.
- Understand the personal hygiene social hygiene, environmental and industrial hygiene.
- Understand the introduction of home science extension, community development problems, teaching method aids and attitude toward home science curriculum planning.
- Understand the Introduction to fiber science, types of weaver, washing, and types of printing, clothing.
- Understand the home arrangement, home decor, family resource kitchen.
- Develop understanding of scope and concepts of definition of nutrition, diet, food preservation, diet planning, and definition of therapeutic nutrition.

## BACHELOR OF SCIENCE

### (Subject: Physics, Mathematics, Chemistry, Botany & Zoology) First, Second & Third Year

**Physics:** - On the completion of the course the student will be able to

- Understand the surface tension and viscosity of fluid
  - Analyze waves and oscillations
  - Study the elastic behaviour and working of torsional pendulum
  - Understand the dynamics and gravitation
  - Explain the concept of Gravitation and planetary motion with rotational motion of rigid body and moment of inertia and concept of linear and angular momentum.
  - Understand semiconductor physics and devices like diode LED, FET, OP-AMP, with the study of special theory of relativity.
  - Understand failures of classical mechanic through the study of quantum mechanics
- 
- Explain the origin of the quantum theory

**Mathematics:** - On the completion of the course the student will be able to:

- Develop the knowledge of algebraic skill essential for the study of systems of matrix algebra, linear equations, Eigen values and Eigen vectors.
- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.
- Develop the knowledge for applying the concept and principles of Differential and integrals to solve problems.
- Develop the skill of computation of integral using Gauss's, Divergence and Stoke's theorems.
- Integrate functions of several variables over curves and surface.
- Demonstrate the knowledge of the basic concepts of Geometry.
- Solve algebraic equations of up to degree four.
- Develop the knowledge of the fundamental tools of calculus such as limit, sequence, continuity and differentiability of functions of two variables.
- Identify a general method for constructing solutions of homogeneous linear differential equations with constant coefficients.
- Distinguish between partial differential equation and ordinary differential equation.
- Solve problems of motion of a particle in rough and smooth plane.
- Develop the knowledge of Kepler's Law of motion.
- Understand the basic concept of Mathematical Induction, computability and Formal Languages.
- Explain the travelling salesman Problem, planner Graphs.

- Understand the basic principle of Boolean Algebras, Finite State Machines and Recursive Algorithms.

**Chemistry:** - On the completion of the course the student will be able to:

- The describe Atomic Structure, Periodic Properties.
- Understand the mechanism in transition metal complex.
- To understand the 18 electron rule and its application.
- The describe Chemical Bonding
- Understand the Chemistry of Elements of Second & Third Transition Series.
- The explain acids and Bases, Non-Aqueous Solvents.

**Botany:** - On the completion of the course the student will be able to:

- Understand the Critical evaluations of ideas and debates from collections relevant information about plants, so as to acknowledge the status of the plant in the broad classification and pedigree level.
- Understand the accurately interpretation of collected information and use taxonomic information to evaluate and formulate a position of plant in taxonomy.
- To study the structural, developmental and economic importance of lower plants including Algae, Fungi, with practical knowledge.
- To know about the various plants diseases and their control
- Understand the plant-water relations: importance of water to plant life.
  - Know the scope and importance of the discipline.
  - To study the structural, developmental and economic importance of lower plants including Bryophytes and Pteridophytes with practical knowledge.
  - To study the structural, developmental and economic aspects of Gymnosperms.
  - Understand the typification, numerical taxonomy and chemotaxonomy.
  - Understand the systemic position of distinguishing character and economic importance.
  - Understand the plant anatomy and embryology.
  - Understanding the basic concept of introduction and scope of ecology, adaptation, population of community characters and concept of ecology.
  - Understand of biogeochemical cycle.
  - To identify diversity of life forms in an ecosystem.
  - Understand the plant in relation to water.
  - Understand the photosynthesis apparatus and pigment, ATP synthesis, C3 C4 CAM pathway and photosynthesis.
  - Understand the aerobic and anaerobic respiration, factor effecting respiration and plant growth hormone.



**Zoology:** -On the completion of the course the student will be able to:

**CELL BIOLOGY:**

- Understand the scope and importance of cell biology and characteristics between Prokaryotic and Eukaryotic cell.
- Understand the organization of cell and to study the whole-cell organelles with their structure and function, structure, function and organization of chromosomes, DNA and RNA.
- Understand the cell division (Mitosis and Meiosis) and to know the importance and features of the cell cycle in organisms, various applications of cells and various types of tumor and to get an elementary idea of Cancer cells and cell transformation.
- To develop an elementary idea about immunity to study the lymphoid organs and the immune system

**NON CHORDATA:**

- Students will have learning about the basic taxonomy and systematics, general characters and classification of Protozoa, Porifera, Annelida, Arthropoda, Coelenterata, Mollusca, Echinodermata and Helminth groups.

**CHORDATA:**

- Students will understand the classification, structure, function and biology of chordates of different taxonomic classes.
- Understand the some special topics like, Fishes-Skin and Scales, metamorphosis, snake bites migration of bird and fish, parental care of amphibian and fishes.

**EMBRYOLOGY:**

- Understand the Fertilization: Gametogenesis, Structure of gamete and Types of eggs Cleavage. Development of Frog. Formation of three germ layer, Parthenogenesis, Embryonic and Regeneration. Development of Chick, formation of three germ layers and Placenta in mammals.

**ANATOMY:**

- Understand familiarize the Comparative Anatomy of various organ systems of vertebrates.
- To know the Integument and its derivatives: structure of scales, hair and feathers.
- To know the structure of the alimentary canal and digestive glands in vertebrates.
- Understand the Respiratory Organs, Gills, lung and Air-Sac in birds.
- To study the endoskeleton-Limbs, girdles and vertebrae.
- Understand the features of circulatory System and able to know the evolution of heart and aortic arches.
- Understand the features of Urinogenital System and able to know the structure of Kidney and excretory ducts.
- To study the Nervous System and general plan of the brain and spinal cord.
- To study the classification and histology of endocrine glands.
- Know the structure and functions of gonads and genital ducts.

## **PHYSIOLOGY:**

- Understand the process of Digestion and absorption of dietary components.
- Know the Physiology of heart, Cardiac cycle and ECG.
- Know the processes of Blood Coagulation.
  
- Know the Mechanism of Respiration and control of breathing.
- Understand The Physiology of excretion and Osmoregulation.
- Know the Physiology of Muscle contraction.
- Understand the Physiology of nerve impulse, Synaptic transmission.
- Know the structure and function of Ear and Eye.

## **VERTEBRATE ENDOCRINOLOGY:**

- Know the General Characters of Hormones and Hormone Receptors
- Understand various aspects of Biosynthesis and secretion of the thyroid, Adrenal; Ovarian and testicular hormones.
  
- Know the Endocrine disorders due to hormones and other glands.

## **REPRODUCTIVE BIOLOGY:**

- Know the Reproductive cycle in vertebrate, Menstruation, Lactation and pregnancy.
- Know the Mechanism of parturition.
- Understand the Hormonal regulation of gametogenesis.
  
- To study the structure and functions of Extra embryonic membranes.

## **EVOLUTION:**

- To familiar with the evidence of organic evolution, Theories of organic evolution.
- Understand Variation, Mutation, Isolation and Natural selection.
  
- Explain the Evolution of Horse.

## **BEHAVIOUR:**

- Know various aspects of Ethology.
- Understand the Patterns of Behaviour Taxes, Reflexes, Drives and Stereotyped Behaviour.
- Understand the Reproductive Behavioural Patterns.
  
- Explain the Hormones and Drugs which influence Behaviour.

## **APPLIED ZOOLOGY:**

- Know the importance of Aquaculture, Sericulture, Apiculture, Pisciculture and Poultrykeeping.
- Understand the methods and features of Pest Control (Chemical control and Biological Control)

## **ECOLOGY:**

- Understand the aims and scopes of Ecology.
- To familiarize with the major ecosystems of the world, characteristics and methods of regulation of Population densities.

- To familiarize with the major ecosystems of the world, characteristics and methods of regulation of Population densities.
- Understand the Communities and Ecosystems and Bio-geochemical cycles.
- Understand the impacts of air, water pollution and various stages of Ecological succession.

#### **ENVIRONMENTAL BIOLOGY:**

- To study the Laws of limiting factors and food chain in a freshwater ecosystem.
- know the energy flow in ecosystem-trophic levels, importance of conservation of natural resources
- understand the importance of Environmental Impact Assessment

#### **TOXICOLOGY:**

- Understand the field of Toxicology and principle of systematic toxicology, Classification of toxicants, toxic agents (Metallic and inorganic agents) and their action.
- Know the animal poisons (Snake-venom, Scorpion and bee poisoning) and Food poisoning.

#### **MICROBIOLOGY:**

- Understand the areas and scope of microbiology, microbiology of domestic water and sewage and milk and milk products.
- To familiarize the area of industrial microbiology.

#### **MEDICAL MICROBIOLOGY:**

- Know the pathogenic micro-organisms, Rickettsia, Spirochaetes and Bacteria.
- To study the life-history and pathogenicity of the Pathogenic Protozoans, Pathogenichelminths and Nematode Pathogenic parasites with reference to man.
- Know prophylaxis and treatment, Vector insects.

#### **GENETIC'S:**

- Understand Linkage and Linkage maps, varieties of gene expression - Multiple alleles; litho genesis; Pleiotropic genes; gene interaction and epistasis.
- To familiarize the area of Human genetics – chromosomal and single-gene disorders (somaticcell genetics)

#### **CELL PHYSIOLOGY:**

- To geta general idea about pH and Buffer.
- Understand the structure of cell membrane, Mitochondria andEndoplasmic reticulum.
- Know about the transport mechanisms across membranes and active transport and its mechanism in Mitochondria and Endoplasmic reticulum, Hydrolytic enzymes – their chemical nature, activation and specificity.

## **BIOCHEMISTRY:**

- Understand the structure and biological functions of amino acids and peptides.
- To study Carbohydrate and its metabolism through understanding Glycogenesis; Gluconeogenesis; glycolysis, Glycogenolysis and Cose cycle, Lipid metabolism – Oxidation of glycerol; oxidation of fatty acid, Protein metabolism – Deamination, Transamination, Transmethylation; Biosynthesis of Protein.

## **BIOTECHNOLOGY:**

- Understand the scope and importance of Biotechnology.
- To study and know the recombinant DNA technology and gene cloning techniques and other tools of biotechnology.
- Understand the applications of biotechnology in Pharmaceutical industry, and Food processing industry.

## **BIOTECHNIQUE:**

- To study the Principles and techniques of pH meter, Colorimeter, Microscopy-Light microscopes, Phase contrast and Electron microscopes, Centrifugation etc..
- Know the methods of Separation of biomolecules by chromatography and Electrophoresis.
- Understand histochemical methods for determination of Protein, Lipids and carbohydrates.

# **BACHELOR OF COMMERCE**

**(First, Second & Third Year)**

**COMMERCE:** - On the completion of the course the student will be able to:

- Transmits understanding of basic concepts of business along with setting business unit and logical provisions for initiating business.
- Gives clue to learners on entrepreneurship and exposes them to problems and prospects of women entrepreneurs
- Conveys to the learners the current trends in business

## **Financial Accounting:**

- Understand impart the knowledge of various accounting concepts.
- Understand instill the knowledge about accounting procedures, methods and techniques & develop skills for computerized Accounting.

**Business Communication:**

- Understand the concept, process and importance of communication.
- Explain the develop awareness regarding new trends in business communication.
- Recognize various media of communication.

**Business Mathematics;**

- Understand improve their calculating power & skills.
- Understand the concept of simple interest, compound interest & concept of EMI.

**Business Regulatory Framework:**

- Understand the acquainted with the basic concepts, terms & Provisions of mercantile & Business Laws.
- Develop the awareness regarding laws affecting business, trade & commerce.

**Business Environment:**

- The students after the completion of this course will become aware about the Business Environment.
- Understands create entrepreneurial awareness.
- Understand the motivated themselves for taking up entrepreneurship as career.

**Business Economics:**

- Understand the use various economic theories
- Describe apply economic reasoning to problems of business.
- Understand the basic micro economic concepts.

**Corporate Accounting:**

- The develop awareness about corporate accounting with the provisions of companies Act & Accounting as per Indian Accounting standards.
- Explain develop conceptual aspect of corporate accounting & develop skills about accounting standards.

**Company Law:**

- Understand impart the knowledge of fundamentals of company law.
- The knowledge of provisions of the companies Act of 2013.

**Cost Accounting:**

- The knowledge of Basic cost concepts, Elements of cost, Ascertainment of materials & costing.

- Understand various methods of costing & their applications.

#### **Principal of Business Management:**

- Understand about business management concept.
- Understand about various functions of business management.

#### **Business Statistics:**

- Understand & apply the concepts of mean, mode & median.
- Describe apply various methods of sampling & probability measurement.

#### **Fundamentals of Entrepreneurship:**

- Develop create entrepreneurial temper.
  
- The students after the completion of this course will be able to take up the cause of entrepreneurship.

#### **Income Tax:**

- Understand the basic concept & acquire knowledge about computation of Income.
- Know the enabled to submit Income Tax Return, Advance Tax & Tax deducted at source.
- Know identify the procedures of Tax collection authorities under Income Tax Act.

#### **Auditing:**

- Understand acquaint themselves about concept & principles of Auditing, Audit process, Assurance standards & Tax Audit and Audit of computerized system.
- Understand the prepare Audit Reports.

#### **Indirect Taxes with GST:**

- Understand and apply the concept of GST.
- Understand and apply the concept of Excise duty, CENVAT.
- Understand and apply the knowledge of Registration under GST including its procedures & the liable person for GST registration.

#### **Management Accounting:**

- Understand and apply the basic knowledge of management accounting & its relevance in a business organization.
- Understand and apply managerial behavior & control structures prevalent under varied business environment.

### **Principles of Marketing:**

- Understand the marketing concept and how we identify, understand and satisfy the
- To analyze companies and competitors and to introduce marketing strategy to increase
- Knowledge the strategic and tactical decisions behind today's top performing brands.
- Understand the marketing concept and environment.

### **International Marketing:**

- Understand the international marketing management with competencies in applied business research. Furthermore, you will learn responsible business and teamwork skills.
- Knowledge and understanding of international marketing strategy processes in all types of firms be able to identify current challenges in international marketing and propose solutions to them.
- Able to interpret the special characteristics of an international knowledge-intensive environment

## **Post Graduate Diploma in Computer Application (PGDCA) Semester- First, Second**

**PGDCA:-** On the completion of the course the student will be able to:

- COMPUTERFUNDAMENTAL
- OFFICEAUTOMATION
- DATABASEMANAGEMENTSYSTEM
- E-COMMERCEANDHTM
- OPERATING SYSTEM
- VISUALBASIC
- TALLY
- OPERATING SYSTEM
- C LANGUAGE

## **Environmental Studies and Human Rights (B.A./B.Sc./B.Com.)**

### **Programme Outcome:-**

The Programme makes Students aware about:

- The major environmental Change
- An aptitude and altitude towards conserving the environment
- Effects on the ecosystem and Eco- chain of the changing environment

- Use geospatial technologies (including global positioning systems, geographic information systems, and remote sensing) to address environmental problems
- To demonstrate ecosystems in the context of coupled human-environmental interactions.
- To competently implement an individual or group scientific project, which may include literature review, experimental design, data collection, data analysis, and reporting.

## **MASTER OF ARTS**

**(Hindi, English, Political Science, Economics, History, Geography)**

### **एम. ए. हिन्दी— प्रथम सेमेस्टर**

#### **प्रथम प्रश्नपत्र – हिन्दी साहित्य का इतिहास**

इतिहास ऐतिहासिक घटनाओं और वृत्तान्तों का लेखा-जोखा ही नहीं प्रस्तुत करता, इतिहास का निर्माण भी करता है। इतिहास के स्वरूप को समझना सरल कार्य नहीं है। इतिहास से मनुष्य का संबंध पुराना है। हमारा संस्कार, हमारा व्यवहार हमारी संस्कृति, हमारी नीति अतीत से अनुभासित एक अनवरत धारा है। अतीत के परिप्रेक्ष्य में वर्तमान को समझ सकते हैं। अतः विद्यार्थियों के लिए यह सर्वाधिक उपयोगी पाठ्यक्रम है।

#### **द्वितीय प्रश्नपत्र – प्राचीन एवं मध्यकालीन काव्य**

प्राचीन एवं मध्यकालीन काव्य में समाज को दिग्ग निर्देश देने के साथ धार्मिक एवं ऐतिहासिक तथ्यों से लोगों को अवगत करना साहित्य का मुख्य उद्देश्य है। काव्य में भक्तिकाल, जहाँ लोक जागरण को स्वर देने वाला है, वहीं रीतिकाल अपने लौकिक – श्रृंगारिक परिदृश्य में तत्कालीन सामाजिक, सांस्कृतिक, राजनीतिक स्थितियों को बेलौस अभिव्यंजित करता है। अतः भाषा, संस्कृति, विचार, मानवता काव्यरूपता, लौकिकता, पारलौकिकता आदि दृष्टियों से इसका अध्ययन आवश्यक है।

#### **तृतीय प्रश्नपत्र – द्विवेदीयुगीन एवं छायावादी काव्य**

साहित्य समय का सहचर होता है समाज में आत बदलावों का साक्षी होता है। साहित्य सिर्फ समुन्नत समाज की कल्पना नहीं करता बल्कि सर्वांगीण विकास जिसमें समता, स्वतंत्रता और बंधुता का भाव हो। साहित्य के आधुनिकता, लोक व कुलीन, इतिहास व वर्तमान सभी को ध्यान में रखकर चलता है तथ्य और सत्य दोनों की आराधना साहित्य का विषय होता है साहित्य के चिंतन मनन के केन्द्र में मानव कल्याण के बीच छिपे है इन समस्त स्थितियों से विद्यार्थियों को अवगत कराना है ताकि उनमें चेतना का संचार हो, उनमें लेखन की भावना जागृत ह

#### **चतुर्थ प्रश्नपत्र – हिन्दी गद्य साहित्य**

आधुनिक काव्य गद्य की विधाओं पर आश्रित है यह मानव के मन और मस्तिष्क में अनेक प्रयोजनों को प्रस्तुत करता है। उन्हीं भावनाओं के आधार पर काव्य का सृजन होता है। इसमें चिन्तन, मनन और रागात्मकता का प्रस्तुतीकरण कौशलपूर्ण ढंग से होता है। प्राकृतिक परिवेश में काव्य वैभव का भाव एवं कला पक्ष इसमें गद्य साहित्य की विविध विधाओं में अत्यन्त विगल बन गया है। हमारी सांस्कृतिक चेतना को इसने अत्यन्त प्रभावित किया है। साहित्य के विद्यार्थी इससे लाभान्वित होते हैं।



## एम. ए. हिन्दी – द्वितीय सेमेस्टर

### तृतीय प्रश्नपत्र – आधुनिक काव्य – 2 (प्रगतिवाद, प्रयोगवाद, नई कविता एवं समकालीन कविता)

साहित्य एक सामाजिक संस्था है इसलिए समाज में परिवर्तन का अर्थ है साहित्य के स्वरूप और दृष्टिकोण में परिवर्तन। केवल हिन्दी कविता पर ध्यान दे तो उसमें वीरगाथा काल, भक्तिकाल, रीतिकाल, भारतेंदु युग, द्विवेदी युग, छायावाद, प्रगतिवाद, नई कविता एवं समकालीन कविता जैसी विविध – काव्य दृष्टियाँ परिलक्षित होती हैं। जीवनानुभूतियाँ और उन पर पड़ने वाले तत्कालिक दबावों को कारगर ढंग से व्यक्त करने के लिए कविता आवश्यक है। अतः यह पाठ्यक्रम विद्यार्थियों के लिए उपयोगी है।

### चतुर्थप्रश्नपत्र – आधुनिक गद्य साहित्य (उपन्यास, निबंध एवं कहानी)

छात्राओं में नाटक एवं एकांकी के रसास्वाद की दृष्टि विकसित हुई। इनमें हिन्दी नाटक का स्वरूप, तत्व आदि मानदंडों के आधार पर समीक्षा की क्षमता निर्मित हुई। उनमें हिन्दी के प्रतिनिधि उपन्यास, निबंध, कहानीकारों का परिचय प्राप्त हुआ। उनकी कहानियों एवं नाटकों में निहित तत्वों से अवगत हुए। अच्छाइयों एवं बुराइयों को समझने की उनमें चेतना जागृत हुई

### पंचमप्रश्नपत्र – उत्तर मध्यकाल से आधुनिक काल तक

काल से आधुनिक काल तक छात्राओं में हिन्दी साहित्य के विकास क्रम की समझ पैदा करना। उत्तर मध्यकाल की परिस्थितियों एवं प्रवृत्तियों से परिचित कराना। स्वाधीनता आंदोलन की पृष्ठभूमि में साहित्य की भूमिका को परिलक्षित करना। गद्य लेखन के प्रादुर्भाव एवं महत्व से भी छात्राओं को परिचित कराना इस पठन का उद्देश्य है। इस पाठ के माध्यम से विद्यार्थी आधुनिक काल के साहित्य की प्रमुख रचनाओं एवं प्रवृत्तियों को जान एवं समझ सकेंगे।

### षष्ठम प्रश्नपत्र – मध्यकालीन काव्य

विद्यार्थियों को मध्ययुग के कवियों के योगदान का परिचय प्राप्त हुआ। विद्यार्थियों में साहित्यिक कृतियों के मूल्य एवं सौन्दर्य को देखने की दृष्टि विकसित होती है। इनमें संत एवं भक्तों के काव्य सौन्दर्य की जानकारी प्राप्त होती है। छात्राओं को हिन्दी साहित्य के प्रतिनिधि रचनाकारों का महत्व प्रदेय, प्रभाव आदि का ज्ञान प्राप्त हुआ।

## एम. ए. हिन्दी – तृतीय सेमेस्टर

### प्रथमप्रश्नपत्र – साहित्य के सिद्धांत तथा आलोचना पाठ्यक्रम

भारतीय काव्यशास्त्रीय आचार्य हित चिंतन के पक्षधर रहे हैं। साहित्य मानवीय मूल्यों की स्थापना व प्रतिष्ठा करने का बेजोड़ माध्यम है। वाट्सअप, फेसबुक, ई – मेल के छद्म व सतही प्रेम के दौर में साहित्य ही तो बचा है जो मानवीय प्रेमवस्तु को मजबूती प्रदान करता है। साहित्य विद्यार्थियों में संवेदना के भाव को जगाता है राष्ट्रीय व अंतर्राष्ट्रीय मंचों पर हिन्दी भाषा व साहित्य की महत्ता व उपयोगिता को बताते हैं। हिन्दी साहित्य के विद्यार्थी जो स्नातकोत्तर कक्षाओं में अध्ययनरत हैं उनके गौरव, प्रशंसा, जिज्ञासा आदि के लिए यह उपयोगी सिद्ध होगा।

## द्वितीय प्रश्नपत्र – भाषा – विज्ञान

विद्यार्थियों को भाषा विज्ञान के माध्यम से हिन्दी भाषा के व्यवस्थित और यथोचित प्रयोग का ज्ञान प्राप्त कराना। छात्राओं में भाषा विज्ञान के वैज्ञानिक अध्ययन की दृष्टि से वि०व में फैली विभिन्न भाषाओं का तुलनात्मक, ऐतिहासिक कालक्रमानुसार अध्ययन कराना उद्देश्य है। जिससे विद्यार्थियों को विविध रूपों का ज्ञान प्राप्त हो सके। विद्यार्थियों को भाषा के स्वरूप परिभाषा और विशेषताओं की जानकारी प्राप्त कराना इसका उद्देश्य है।

## तृतीय प्रश्नपत्र – कामकाजी हिन्दी और पत्रकारिता

मानव की सामाजिक आवश्यकताओं और जीवन में भाषा का विशेष महत्व है। कामकाजी हिन्दी में राजभाषा का विशेष प्रयोजन है। ज्ञान-विज्ञान के क्षेत्र में ज्ञानवर्धक सामग्री का प्रयोग किया जा सकता है। ग्रासकीय एवं अग्रासकीय कार्यों की भाषा संबंधित ऋद्धावली का सुन्दर प्रयोग करके इसे सरल बनाया जा सकता है। स्नातकोत्तर के विद्यार्थियों के लिए यह पाठ्यक्रम उपयोगी व सार्थक है।

## चतुर्थप्रश्नपत्र – भारतीय साहित्य

मनुष्य विविध देाकाल में भाषा, साहित्य और संस्कृति का सृजन और विकास करता आया है जिसमें अनेक प्रकार की विविधताएँ, भिन्नताएँ और समानताएँ पाई जाती हैं, इन भिन्ताओं और समानताओं का अध्ययन आवश्यक है। वि०व साहित्य में जो कुछ भी श्रेष्ठतम उसका अध्ययन मनन और प्रचार करना चाहिए ताकि प्राणवान और सत्य विचारों की धारा प्रवाहित की जा सकें। इसलिए पाठ्यक्रम उपयोगी है।

## एम. ए. हिन्दी – चतुर्थ सेमेस्टर

### प्रथमप्रश्नपत्र – हिन्दी आलोचना तथा समीक्षा णास्त्र

हिन्दी आलोचना के अंतर्गत णास्त्रीय, व्यक्तिवादी, ऐतिहासिक, प्रभाववादी, समाज की मनोवि०लेषणवादी तुलनात्मक काव्यधाराओं का वर्णन समाहित है जो हिन्दी आलोचना का औचित्य प्रदर्शित करता है। हिन्दी आलोचना तथा समीक्षा णास्त्र के अध्ययन से विद्यार्थियों को समझने व परखने का अवसर मिलता है। जिससे सामाजिक और सांस्कृतिक परिवेा को समझने में विद्यार्थियों को सहायता मिलती है।

### द्वितीय प्रश्नपत्र – हिन्दी भाषा

लोक मानस भाषा का व्यवहार अपनी जरूरतों के मुताबिक करता है। संविधान में हिन्दी भाषा को राजभाषा का दर्जा दिया गया है। कोई भी भाषा जनता के जितने करीब होती है, उनमें जनभाषा बनने की उतनी ही सामर्थ्य होती है। भाषा का विकास जनता की राष्ट्रीय भावना के विकास का प्रतीक है। अतः यह पाठ्यक्रम विद्यार्थियों के विकास में बहुत उपयोगी होगा।

## तृतीय प्रश्नपत्र – मीडिया – लेखन एवं अनुवाद

आज के युग में मीडिया लेखन का अत्यधिक महत्व है। मीडिया के माध्यम देा विदेा में होने वाली घटनाओं, क्रियाकलापों एवं गतिविधियों की जानकारी ाीघ्न प्राप्त होती है। ज्ञान विज्ञान तकनीकी, अनुसंधान, सामाजिक, आर्थिक, धार्मिक, सांस्कृतिक, राजनीतिक समस्त क्षेत्रों में घटित होने वाली समस्त प्रकार की जानकारी मीडिया के माध्यम से विद्यार्थियों को प्राप्त होती है। उनमें चेतना जागृत होती है। यह पाठ्यक्रम छात्राओं के लिए उपयोगी है।

## चतुर्थप्रश्न पत्र – छत्तीसगढ़ी भाषा

जनपदीय भाषा एवं साहित्य के माध्यम से छात्राओं को छत्तीसगढ़ की गौरवगाथा, ऐतिहासिकता, पौराणिकता का ज्ञान कराना है। छत्तीसगढ़ी साहित्य की सामाजिक, धार्मिक, सांस्कृतिक गतिविधियों का जीवंत दस्तावेज है। जनपदीय भाषा साहित्य के माध्यम से छत्तीसगढ़ी भाषा की विकास यात्रा का विस्तृत ज्ञान कराता है। विद्यार्थी छत्तीसगढ़ी साहित्य एवं साहित्यकारों का अध्ययन कर यहाँ की रीति-रिवाज, रहन-सहन, खान-पान, संस्कृति का ज्ञान प्राप्त कराता है।

## **English:-(Semester- First, Second, Third,Fourth)**

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

### **Poetry:**

- The identify a variety of forms and genres of poetry from diverse cultures and historic periods, such as sonnets, ballads, dramatic monologues, epic and pastoral, free verse, Elegy etc.
- Recognize the rhythms metrics and other musical aspects of poetry.

### **Drama:**

- Understand the insights, genres, conventions and experimentations associated with English Drama.
- The resources language's creativity to explore the entire range of human experience through dramas as a literary form.

### **Prose:**

- Understand a literary text in different contexts, and be aware of socio-political and economic conditions of the society from different periods.
- Students will be able to write precisely with brevity.

### **Fiction:**

- Understand various cultures and construction of gender, nation and race throughout the history.
- Know learn human values and the behavioral patterns from great work of art.
- Know develop the ability to understand human race.

### **History of English Literature:**

- Identify and delineate major writers and their works in chronological order.
- To compare English literature of one period with that of another
- Understand classify all major literary works.

### **Critical Theory:**

- Know debate the nature of literary criticism based on classical Greek paradigms and trace the historical development of criticism.
- Develop an aptitude for critical analysis of literary works.

### **Indian Writing in English:**

- Know become aware of social, political and cultural issues reflected in Indian writing in English.
- Understand discuss major class / Caste issues in the context of Indian Literature.

### **American Literature:**

- Know inculcate a rhetorical approach to the literary study of American texts and also the conceptions, generalization, myths and beliefs about American cultural history.
- Understand develop awareness of the social, historical, literary and cultural elements of the changes in American literature.
- Analyze literary works of eminent American writers.

### **Colonial and Post-Colonial Studies:**

- Know explore and understand ways in which literary theory applies to their own lives and cultures in Post-Colonial literature.
- Develop understanding and assessment of various mainstream and subaltern cultures and appreciate them.

### **Linguistics:**

- Identify the symbols of all the 44 English sounds, and transcription of the sounds.

Know improve the fluency in spoken English and neutralize mother tongue influence.

### **ECONOMICS:-**

On completion of the course, Students will be able to:

- The students should be able to analyze the socio-political and economic issues related to national and international scenario.
- Apply supply and demand analysis to examine the impact of government regulation.
- Curriculum helps to create the capacity to Work effectively in a multi-disciplinary environment.

- The students should be able to find a career in Economics.
- The students should be able to understand how the economic policies affect the common people through the societal interactions.
- Understand the circular flow model and use the concepts of aggregate demand and aggregate supply to analyze the response of the economy to disturbances.

**POLITICAL SCIENCE**  
(Semester- First, Second, Third, Fourth)

**COURSE OUTCOME**

The students will be able to critically assess the constitutions or party systems of different countries and voluntarily participate to bring positive changes in Indian political atmosphere

**Indian Political Thought:**

- The students will be able to critically contemplate and comprehend on Indian Political thought and philosophical thinkers.
- The students will be able to critically contemplate and comprehend about the new thinkers like Nehru, Deendayal Upadhyay, and Abdul Kalam etc.

**Indian Government and Politics:**

- The students will be able to critically explain the politics, governance and authority of India.
- The students will be able to critically assess the information about racism, regionalism, communalism, criminalization and corruption and be refrained from such politics and politicians.

**Comparative Politics:**

- The students will be able to critically judge the useful information about the probable consequences of different political order.

**Western Political Thought:**

- The students will be able to critically understand the dominant feature of ancient western political thought.
- The students will be able to critically assess features of medieval political thought.

**State Politics in India:**

- The students will be able to critically understand the State Legislature and State Executives.

- The students will be able to critically assess the demand for State Autonomy.

### **Comparative Politics of Developing Countries:**

- The students will be able to critically understand the classification of Government.
- The students will be able to critically assess the political development, political Elites, Political socialization, Political Modernization.

### **Indian Foreign Policy:**

- The students will be able to critically ascertain the increasing India's influence in the international platform.
- The students will be able to critically assess India's foreign policy and India's engagement with the rest of the world.
- The students will be able to critically examine India's foreign relations with her neighbors.

### **Principles of International Politics:**

- The students will be able to critically assess the evolution of International politics.
- The students will be able to critically contemplate the theories of International politics.
- The students will be able to critically examine the nature and developments in International politics.

### **Public Administration – I:**

- The students will be able to critically ascertain the concept of administration in India.
- The students will be able to critically compare traditional approach and new approaches.
- The students will be able to critically examine the structure and operation of public organizations.

### **Research Methodology – I:**

- The students will be able to critically ascertain and apply various research methods used in social science by drawing upon a range of theoretical and empirical research in survey studies of political science.
- The students will be able to critically examine the theoretical aspects comprising an exploration of various theories, concepts and term that are part of the research methodology in survey studies of political science.

### **Government and Politics of Chhattisgarh:**

- The students will be able to critically ascertain and comprehend the main determining factors and features of state politics in Chhattisgarh.
- The students will be able to critically assess the various national movements in Chhattisgarh and major social reformist and political leaders.

The students will be able to perform the critical comprehension, review and assessment of various concepts

### **Public Administration – II:**

- The students will be able to critically ascertain the importance of public administration in India.
- The students will be able to critically examine the characteristics of public administration in India.
- The students will be able to critically assess the operations of public organizations in India.

### **Research Methodology – II:**

- The students will be able to perform the critical review of published political science literature and research for advancement of new research and development in political science.
- The students will be able to critically examine the research methodology used in survey studies of political science.
- The students will be able to critically analyze the data used in survey studies of political science and comprehend the data based conclusive interpretations for political survey studies in India.

### **Political Ideologies and Modern Political Thought:**

like Individualism, Existentialism, Feminism, and Liberalism, Socialism etc prevalent in national and international political scene

## **M.A. GEOGRAPHY**

### **Course Outcomes (CO):-**

#### **Geomorphology:**

- The students after the completion of this course will be able to comprehend with the nature and scope of geomorphology.
- The students after the completion of this course will be able to determine the interior of the earth.
- The students after the completion of this course will be able to comprehend the movement of the earth.

#### **Climatology:**

- The students after the completion of this course will be able to comprehend with the nature and scope of climatology.
- The students after the completion of this course will be able to determine the composition of atmosphere.
- The students after the completion of this course will be able to comprehend the movement of general circulation of Jet stream, El-Nino and La-Nino.

#### **Geographical Thought**

- The students after the completion of this course will be able to determine the modern Geographical thoughts and contribution of eminent geographers.
- The students after the completion of this course will be able to comprehend the beginning of modern geography fundamental concepts and models in geography.
- The students after the completion of this course will be able to comprehend the present status and application of modern techniques and it's uses in climatology, geomorphology, economic geography and population geography.

### **Geography of India:**

- The students after the completion of this course will be able to comprehend with the geological structure, relief, climate, drainage, vegetation and soils of India.
- The students after the completion of this course will be able to determine the nature of agriculture and agricultural regions of India.
- The students after the completion of this course will be able to comprehend the geographical-regional division of India and various land forms in India.
- The students after the completion of this course will be able to determine the stratosphere of India.

### **Economic and Natural Resource Management:**

- The students after the completion of this course will be able to comprehend with the nature and scope of economic geography.
- The students after the completion of this course will be able to determine the world pattern of major natural resources.

### **Oceanography:**

- The students after the completion of this course will be able to comprehend with the nature and scope of oceanography
- The students after the completion of this course will be able to determine the physical and chemical properties of sea water
- The students after the completion of this course will be able to comprehend the conservation and management of oceanic resources

### **Regional Development and Planning:**

- The students after the completion of this course will be able to comprehend the regional planning in India.
- The students after the completion of this course will be able to determine the center-state relations and multilevel planning in India

### **Social Geography:**

- The students after the completion of this course will be able to comprehend with the nature, scope of social geography and its relationship with other social sciences.



- The students after the completion of this course will be able to determine the concept of society.

## **Population Geography**

### **Field Work:**

- The students after the completion of this course will be able to perform diverse technical works in various fields of geographical studies like climatology, geomorphology, economic geography, population geography, settlement geography, urban geography, agricultural geography, climate change etc.

## **MASTER OF HISTORY I, II, III & IV SEMESTER**

### **COURSE OUTCOME**

#### इतिहास पद्धति

##### इकाई— 1

- इतिहास का अर्थ एवं परिभाषा
- इतिहास का स्वरूप
- इतिहास विज्ञान एवं कला के रूप में
- इतिहास के प्रकार एवं क्षेत्र विस्तार

##### इकाई— 2

- इतिहास का अन्य सभी सामाजिक विज्ञान विषयों के साथ संबंध
- इतिहास का साहित्य के साथ संबंध
- इतिहास में तथ्य
- तथ्यों की व्याख्या

##### इकाई— 3

- इतिहास में उपकरण
- इतिहास में कारण,कार्य—कारण संबंध
- इतिहास में वस्तुनिष्ठता
- इतिहास में पूर्वाग्रह

##### इकाई— 4

- इतिहास का चक्रवादी सिद्धांत
- इतिहास का समाज शास्त्रीय सिद्धांत

- इतिहास का आदर्शवादी सिद्धांत
- इतिहास का तुलनात्मक सिद्धांत

इकाई— 5

- इतिहास का आलोचनात्मक सिद्धांत
- इतिहास का भौतिकवादी सिद्धांत
- इतिहास का प्रत्यक्षवाद
- इतिहासवाद

### आधुनिक विश्व

इकाई— 1

- विश्व में पूंजीवाद का विकास
- साम्राज्यवाद का विकास—इंग्लैंड और फ्रांस में
- साम्राज्यवाद का विकास—जर्मनी और जापान में
- इंग्लैंड में उदारवाद का विकास

इकाई— 2

- बिस्मार्क की आंतरिक एवं विदेश नीति
- कैसर विलियम द्वितीय की विश्व राजनीति
- 1900—1910 तक अंतर्राष्ट्रीय संधियां
- 1912 तक पूर्वी समस्या

इकाई— 3

- प्रथम एवं द्वितीय बाल्कन युद्ध—कारण एवं प्रभाव
- प्रथम विश्वयुद्ध कारण एवं परिणाम
- पेरिस शांति सम्मेलन एवं वर्साय की संधि
- विश्व में समाजवाद का विकास

इकाई— 4

- 1917 की रूसी क्रांति—कारण एवं परिणाम
- बोल्शेविक क्रांति एवं लेनिन
- राष्ट्रसंघ संगठन
- राष्ट्रसंघ की उपलब्धियां एवं असफलताएं

इकाई— 5

- प्रथम विश्वयुद्ध के पश्चात् विश्व आर्थिक मंदी का उदय
- न्यूडील में फांसीवाद—उदय के कारण
- मुसोलिनी—गृह एवं विदेश नीति

### प्राचीन एवं मध्यकालीन छत्तीसगढ़

इकाई— 1

- छत्तीसगढ़ का परिचय एवं भौगोलिक स्थिति
- छत्तीसगढ़ का नामकरण
- छत्तीसगढ़ की महापाषाणयुगीन संस्कृति
- प्राचीन छत्तीसगढ़—मौर्य वंश के पूर्व तक

इकाई— 2

- मौर्यकालीन एवं गुप्तकालीन छत्तीसगढ़
- छत्तीसगढ़ में सातवाहनों का प्रभाव
- क्षेत्रीय राजवंश—नलवंश, शरभपुरीय वंश
- पाण्डु वंश, छिन्दकनाग वंश, फणिनाग वंश

इकाई— 3

- छत्तीसगढ़ में कलचुरियों का आगमन
- छत्तीसगढ़ में कलचुरिवंश—रत्नदे वसे मोहन सिंह तक
- कलचुरि कालीन शासन व्यवस्था
- कलचुरि कालीन आर्थिक दशा

इकाई— 4

- कलचुरि कालीन सामाजिक एवं सांस्कृतिक दशा
- कलचुरि स्थापत्य
- छत्तीसगढ़ में मराठा शासन — बिंबाजी एवं उनका प्रशासन
- छत्तीसगढ़ में मराठों की सूबा शासन व्यवस्था

इकाई— 5

- रघुजी तृतीय
- मराठा कालीन छत्तीसगढ़ की आर्थिक दशा

- मराठा कालीन छत्तीसगढ़ की सामाजिक एवं सांस्कृतिक दशा
- ब्रिटिश नियंत्रण काल—राजनितिक एवं प्रशासनिक व्यवस्था

### ग्रेट ब्रिटेन का इतिहास (1815 से 1885)

#### इकाई— 1

- 1815 से 1822 तक आंतरिक समस्याएं
- 1822 से 1830 तक इंग्लैंड की आंतरिक स्थिति
- कैसलरे की विदेश नीति
- कैनिंग की विदेश नीति

#### इकाई— 2

- ब्रिटेन में उदारवाद का उदय
- ब्रिटेन में उदारवाद के विकास का कारण  
1832 का सुधार अधिनियम  
1830 से 1841 तक (अन्य सुधार)

#### इकाई— 3

- चार्टिस्ट आंदोलन
- ग्रेट ब्रिटेन की विदेश नीति (1830—1841)
- सर राबर्ट पील
- लार्ड जॉन रसेल

#### इकाई— 4

- लार्ड पामस्टन
- 1867 का सुधार अधिनियम
- बेंजामिन डिजरेली – विदेश नीति
- नवीन टोरीवाद

#### इकाई— 5

- ग्रेट ब्रिटेन और पूर्वी समस्या (1828—1878)
- ब्रिटिश साम्राज्यवाद (1880 तक)
- 1885 के संसदीय सुधार
- ग्रेट ब्रिटेन का मुक्त व्यापार

## इतिहास लेखन

### इकाई— 1

- यूनानी एवं रोमन इतिहास लेखन
- चीनी इतिहास लेखन
- मध्यकालीन यूरोपीय इतिहास लेखन
- प्रबुद्धतावादी इतिहास लेखन

### इकाई— 2

- अरबी तथा परशियन (फारसी) इतिहास लेखन
- प्राचीन भारत में इतिहास लेखन की परम्परा
- मध्यकालीन भारतीय इतिहास लेखन—सल्तनत काल
- मध्यकालीन भारतीय इतिहास लेखन—मुगल कालीन

### इकाई— 3

- भारतीय इतिहास की साम्राज्यवादी व्याख्या
- भारतीय इतिहास की राष्ट्रवादी व्याख्या
- भारतीय इतिहास की मार्क्सवादी व्याख्या
- भारतीय इतिहास की सवालटर्न अथवा जनवादी व्याख्या

### इकाई— 4

- भारतीय इतिहास की विषय वस्तु—आर्थिक इतिहास
- भारतीय इतिहास की विषय वस्तु—सामाजिक—सांस्कृतिक इतिहास
- जातीय एवं जनजातीय इतिहास
- क्षेत्रीय इतिहास लेखन

### इकाई—5

- भारतीय इतिहास की विषय वस्तु—कृषक एवं श्रमिक
- भारतीय इतिहास की विषय वस्तु—विज्ञान एवं प्रौद्योगिकी

## समकालीन विश्व

### इकाई— 1

- जर्मनी में नाजीवाद का उदय—कारण
- हिटलर की गृह नीति
- हिटलर की विदेश नीति
- जापान में सैन्यवाद

#### इकाई- 2

- द्वितीय विश्व युद्ध – कारण एवं परिणाम
- संयुक्त राष्ट्रसंघ – उद्देश्य एवं संगठन
- संयुक्त राष्ट्रसंघ – उपलब्धियां एवं योगदान
- निशस्त्रीकरण की समस्याएं

#### इकाई- 3

- चीनी क्रांति 1911
- चीन में गृहयुद्ध एवं राष्ट्रवादी सरकार की स्थापना।
- चीन में साम्यवादी सरकार का अभ्युदय।
- हिन्द चीन एवं इंडोनेशिया में राष्ट्रीय आंदोलन

#### इकाई- 4

- शीत युद्ध – परिभाषा एवं स्वरूप
- शीत युद्ध – अंतर्राष्ट्रीय संधियां एवं तनाव
- साम्यवादी रूस का विघटन – कारण एवं परिणाम
- एक ध्रुवीय विश्व

#### इकाई-5

- गुटनिरपेक्ष आंदोलन एवं भारत, पंचशील का सिद्धांत
- अरब राष्ट्रवाद
- आधुनिक तुर्की
- अंतर्राष्ट्रीय समस्या – फिलीस्तीन, कोरिया एवं वियतनाम

### **आधुनिक छत्तीसगढ़**

#### इकाई- 1

- ब्रिटिश सत्ता की स्थापना
- ब्रिटिश कालीन प्रशासनिक व्यवस्था
- छत्तीसगढ़ के रियासतों के प्रति ब्रिटिश नीति

#### इकाई- 2

- 1857 का विप्लव- वीरनारायण सिंह
- 1857 का विप्लव – छत्तीसगढ़ में सिपाही विद्रोह –हनुमान सिंह
- बस्तर में आदिवासी विद्रोह – 1876 एवं 1910

- छत्तीसगढ़ में राष्ट्रीय आंदोलन 1920 तक

इकाई— 3

- छत्तीसगढ़ में असहयोग आंदोलन
- छत्तीसगढ़ में सविनय अवज्ञा आंदोलन
- छत्तीसगढ़ में जंगल सत्याग्रह
- छत्तीसगढ़ में व्यक्तिगत सत्याग्रह

इकाई— 4

- छत्तीसगढ़ में भारत छोड़ो आंदोलन
- छत्तीसगढ़ में किसान आंदोलन
- छत्तीसगढ़ में श्रमिक आंदोलन
- छत्तीसगढ़ में रियासतों का विलीनीकरण

इकाई—5

- छत्तीसगढ़ में धार्मिक आस्थाएँ, शैव, वैष्णव, शाक्त, जैन एवं बौद्ध धर्म
- छत्तीसगढ़ में कबीर एवं सतनाम पंथ
- छत्तीसगढ़ की लोक संस्कृति एवं आदिवासी संस्कृति
- छत्तीसगढ़ राज्य निर्माण की पृष्ठभूमि

**आधुनिक इंग्लैंड (1885 से 1956 तक)**

इकाई— 1

- ग्लैंडस्टन – आयरिश नीति
- ग्लैंडस्टन – गृह नीति
- सेलिसबरी – गृह नीति
- सेलिसबरी – विदेश नीति

इकाई— 2

- चेम्बरलेन का साम्राज्यवाद
- 1911 का सुधार अधिनियम
- इंग्लैंड की गृह नीति (1902–1914)
- इंग्लैंड की विदेश नीति (1902–1914)

इकाई- 3

- इंग्लैंड और पूर्वी समस्या (1878–1914)
- प्रथम महायुद्ध में इंग्लैंड के भाग लेने के कारण
- प्रथम विश्व युद्ध में इंग्लैंड की भूमिका
- दो विश्व युद्धों के बीच इंग्लैंड

इकाई- 4

- विश्व आर्थिक मंदी और इंग्लैंड
- अफ्रीका के विभाजन में इंग्लैंड की भूमिका
- ग्रेट ब्रिटेन की गृह नीति (1919–1939)
- ग्रेट ब्रिटेन की विदेश नीति (1919–1935)

इकाई- 5

- चेम्बरलेन की तुष्टीकरण की नीति (1936–1939)
- द्वितीय विश्व युद्ध में इंग्लैंड की भूमिका
- द्वितीय विश्व युद्ध के पश्चात् इंग्लैंड की स्थिति
- इंग्लैंड और शीत युद्ध

**सल्तनतकालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1526 ई.)**

इकाई- 1

- सल्तनत कालीन इतिहास के स्रोत
- दिल्ली सल्तनत की स्थापना एवं प्रसार
- सल्तनत कालीन इतिहास लेखन – विभिन्न विचारधाराएं
- सल्तनत कालीन राज्य का स्वरूप एवं सिद्धांत

इकाई- 2

- सल्तनतकालीन केन्द्रीय प्रशासन
- सल्तनत कालीन प्रांतीय व्यवस्था-इक्ता
- अलाउद्दीन खिलजी की आर्थिक नीति-बाजार नियंत्रण
- अलाउद्दीन खिलजी की विजयें-उत्तर भारत, दक्षिण भारत

इकाई- 3

- मुहम्मद बिन तुगलक की योजनाएं
- फिरोजशाह तुगलक का प्रशासन
- सल्तनतकालीन क्षेत्रीय राज्य – उत्तर भारत
- सल्तनतकालीन क्षेत्रीय राज्य –दक्षिण भारत



इकाई- 3

- मुगलकालीन दरबारी राजनीति एवं संघर्ष
- मराठा इतिहास के स्रोत
- मराठा राज्य की स्थापना एवं विकास
- शिवाजी का प्रशासन

इकाई- 4

- मुगलकालीन कृषि अर्थव्यवस्था एवं भू-राजस्व
- मुगलकाल में शिल्प उद्योग
- मुगलकालीन आंतरिक व्यापार
- मुगलकालीन विदेशी व्यापार

इकाई- 5

- मुगलकाल में नगरों का उदय-नगरीय प्रशासन
- मुगलकालीन मुद्रा एवं बैंकिंग
- नए व्यापारिक वर्गों का उदय
- मुगल काल में कृषि एवं उद्योग में तकनीकी परिवर्तन

**मुगलकालीन भारतीय समाज एवं संस्कृति (1526 से 1750 ई. तक)**

इकाई- 1

- मुगलकालीन हिन्दू समाज
- मुगलकालीन मुस्लिम समाज
- मुगलकालीन समाज में शासक वर्ग की भूमिका
- मुगलकाल में स्त्रियों की दशा

इकाई- 2

- मुगलकालीन स्थापत्यकला
- मुगलकालीन क्षेत्रीय स्थापत्य कला
- मुगलकालीन चित्रकला
- क्षेत्रीय चित्रकला का विकास

इकाई- 3

- फारसी भाषा एवं साहित्य का विकास
- हिन्दी साहित्य का विकास
- संस्कृत साहित्य का विकास
- उर्दू भाषा एवं साहित्य का विकास

इकाई- 4

- मुगलकाल में समन्वयवादी संस्कृति का विकास
- मुगलकाल में संस्कृति के विकास में अकबर का योगदान
- समन्वयवादी संस्कृति का विघटन और औरंगजेब
- मुगलकाल में नृत्य एवं संगीतकला का विकास

# **MASTER OF COMMERCE**

## **I, II, III & IV SEMESTER**

### **COURSE OUTCOME**

#### **Managerial Economics**

- The students after the completion of this course will be able to comprehend with the basic concepts, terms & provisions of managerial economics.
- The students after the completion of this course will be able to determine the prices under different market forms.
- The students after the completion of this course will be able to comprehend with the concepts of inflation, slowdown, deflation, stagflation and recession in an economy.

#### **Advance Accounting**

- The students after the completion of this course will be able to comprehend with the basic accounting structure of companies.
- The students after the completion of this course will be able to find out how a company can dissolve by liquidating its assets or through bankruptcy and insolvency.
- **Income Tax Law and Account**
- **Statistical Analysis**
- **Corporate Legal Framework**
- **Business Economics**
- **Specialized Accounting**
- **Tax Planning and Management**
- **Advanced Statistics**
- **Business Law**
- **Management Concept**
- **Organizational behavior**
- **Advance Cost Accounting**
- **Management Accounting**
- **Accounting For Managerial Decisions**
- **Principles of Marketing**
- **Advertising and Sales Management**
- **Marketing Research**
- **International Marketing**
- **Project Work**

**MASTER OF SCIENCE(M.Sc.)**  
**(Physics, Mathematics & Zoology)**

**PHYSICS:-**

**PAPER –I MATHEMATICAL PHYSICS**

In this course the student will:

- Learn about special type of matrices that are relevant in physics and then learn about tensors.
- Get introduced to Special functions like Delta function, Dirac delta function, Bessel functions and their recurrence relations.
- Learn the fundamentals and applications of Fourier series, Fourier and Laplace transforms their inverse.
- Learn different ways of solving second order differential equations and familiarized with singular points and Frobenius method transforms etc.
- Know the method of contour integration to evaluate definite integrals of varying complexity.
- To become familiar with the method of Green's function to solve linear differential equations with inhomogeneous term.

**PAPER –II CLASSICAL MECHANICS**

This paper enables the students to understand

- The Lagrangian and Hamiltonian approaches in classical mechanics.
- The classical background of Quantum mechanics and get familiarized with Poisson brackets and Hamilton -Jacobi equation.
- Kinematics and Dynamics of rigid body in detail and ideas regarding Euler's equations of motion.
- Theory of small oscillations in detail along with basis of Free vibrations.
- Basic ideas about non linear equations and chaos.

**PAPER –III ELECTRODYNAMICS AND PLASMA PHYSICS**

After successful completion of the course, the student is expected to:

- Have gained a clear understanding of Maxwell's equations and electromagnetic boundary conditions.
- Know that laws of reflection, refraction are outcomes of electromagnetic boundary conditions. 3 Have grasped the idea of electromagnetic wave propagation through wave guides and transmission lines.
- Extend their understanding of special theory of relativity by including the relativistic electrodynamics.
- Understand the rather complex physical phenomena observed in plasma

**PAPER –IV ELECTRONIC**

On completion of this course the student will learn about

- Field Effect Transistors, their principles and applications.
- Photonic devices like LED, Laser diode, photo detectors, solar cells etc and their working in detail.
- 3 Basic operational amplifier characteristics, OPAMP parameters, applications as inverter, integrator, differentiator etc.
- Digital electronics basics using logic gates and working of major digital devices like flip flops, CMOS, CCD etc. 5 Study the Organization and internal architecture of the Intel 8085.

## **Semester-II**

### **PAPER –I QUANTUM MECHANICS –I**

After successful completion of this paper, the student will be well-versed in

- Linear vector spaces, Hilbert space, concepts of basis and operators and bra and ket notation.
- Both schrodinger and Heisenberg formulations of time development and their applications.
- Theory of angular momentum and spin matrices, orbital angular momentum and Clebsch Gordan Coefficient.
- Space-time symmetries and conservation laws, theory of identical particles.
- Theory of scattering and calculation of scattering cross section, optical theorem, Born approximation, partial wave analysis etc.

### **PAPER –II STATISTICAL MECHANICS**

The students should be able to,

- Explain statistical physics and thermodynamics as logical consequences of the postulates of statistical mechanics.
- Apply the principles of statistical mechanics to selected problems.
- Grasp the basis of ensemble approach in statistical mechanics to a range of situations.
- To learn the fundamental differences between classical and quantum statistics and learn about quantum statistical distribution laws.
- Study important examples of ideal Bose systems and Fermi systems.

### **PAPER –III ELECTRONICS & PHOTONICS DEVICES & OPTICAL MODULATORS**

The students should be able to,

- To learn the Special Bipolar Devices: Diac & Triac, SCR, UJT etc.
- Explain the Unipolar Devices: JFET, MOSFET, MESFET etc.
- Learn common applications of Photonic Devices.
- Study the Optical modulator and display devices like luminescence, LCD etc.

### **PAPER –IV COMPUTATIONAL PHYSICS & COMPUTER PROGRAMMING**

- The students should be able to,
- Learn about the linear and nonlinear algebraic equation and their solution.
- Apply the Newton cotes formula, Gauss method in polynomial equation.
- Numerical solution of ordinary differential equation.
- Elementary information about the digital computer principle and FORTRAN Programs

## **Semester-III**

### **PAPER –I QUANTUM MECHANICS – II**

This course will enable the student to have basic knowledge about advanced techniques like

- Approximation methods for time-independent problems like the WKB approximation.
- The variational equation and its application to ground state of the hydrogen and Helium atom.
- Perturbation theory and Interaction of an atom with the electromagnetic field.
- Relativistic Quantum Mechanics using Dirac equation, Dirac matrices. The Klein Gordon equation etc.

### **PAPER –II ATOMIC & MOLECULAR SPECTROSCOPY**

After successful completion of the course, the student is expected to:

- Know about different atom model and will be able to differentiate different atomic systems, different coupling schemes and their interactions with magnetic and electric fields.
- Have gained ability to apply the techniques of microwave and infrared spectroscopy to elucidate the structure of molecules.
- Be able to apply the principle of Raman spectroscopy and its applications in the different field of science & Technology.
- To become familiar with different resonance spectroscopic techniques and its applications.
- To find solutions to problems related different spectroscopic systems.

### **PAPER –III SOLID STATE PHYSICS - I**

After successful completion of the course, the student is expected to

- Have a basic knowledge of crystal systems and spatial symmetries.
- Know what phonons and be able to perform estimates of their dispersive and thermal properties , be able to calculate thermal and electrical properties in the free-electron model.
- Know Bloch's theorem and what energy bands are and know the fundamental principles of semiconductors.
- Know the fundamentals of dielectric and ferroelectric properties of materials.
- Be able to explain superconductivity using BCS theory.

### **PAPER –IV ELECTRONICS**

The students should be able to,

- To learn about the Microwave devices like, Klystron, Magnetron.
- Explain the Microwave wave guide & components with their modes.
- Use Microwave cavities in communication system and explain Transferred Electrons devices.
- Learn about the Radar System.
- Know Satellite Communication through the orbital satellite, geostationary satellite etc.

## **Semester-IV**

### **PAPER –I NUCLEAR AND PARTICLE PHYSICS**

After successful completion of the course, the student is expected to

- Have a basic knowledge of nuclear size, shape, binding energy etc and also the characteristics of nuclear force in detail.
- Be able to gain knowledge about various nuclear models and potentials associated.
- Acquire knowledge about nuclear decay processes and their outcomes. Have a wide understanding regarding beta and gamma decay.
- Grasp knowledge about Nuclear reactions, Fission and Fusion and their characteristics.
- Understand the basic forces in nature and classification of particles and study in detail conservation laws and quark models in detail.

### **PAPER –II LASER PHYSICS AND APPLICATIONS**

After successful completion of the course, the student is expected to

- Have a basic knowledge of laser physics and their working process.
- Learn about the many types of laser system such as solid state laser, gas laser, etc.
- Study advanced in laser physics like giant pulse dynamic harmonic generation, optical mixing etc.
- Explain the multi-photon processes.
- Be able to gain knowledge about various application of laser.

### **PAPER –III SOLID STATE PHYSICS- II**

This paper enables the students to understand

- Gain knowledge about Plasmon's, Polaritons.
- Study the dielectric and ferroelectric materials.
- Learn about the advance in magnetism theory.
- Have a gain the knowledge about the ferromagnetism and anti-ferromagnetism.
- Explain the optical processes and excitations and defects in crystal structure.

### **PAPER –IV ELECTRONICS**

The students should be able to,

- Be able to gain knowledge about the digital communication.
- Explain the digital modulation techniques.
- Study the Noise in Digital communication.
- Learn about data transmission through PSK, FSK etc.
- Understand the basic knowledge of PCM Transmission

### **MATHEMATICS:-**

On completion of this course, the students will be able to:-

- Identify the concept of Normal groups and Quotients groups.
- Concentrate on a particular Euclidean ring and other forms of Polynomial rings.

- Study in detail the Mean value theorem and Taylor's theorem.
- Locate Sequence and Series comprising convergence sequences, upper and lower limits.
- Understand Local properties of Analytic functions.
- Analyze Analytic functions and exponential functions.
- Discuss and understand the importance of the concepts Graph and Lattice, Algebraic Structure.
- Study the properties of trees and connectivity.
- Understand the elements of Galois Theory.
- Discuss connected spaces, the components of a space and totally disconnected spaces.
- Study Continuous linear transformations and the Hahn-Banach theorem.
- Understand the Open Mapping Theorem and its applications.
- Apply Duality to solve problems in Linear Programming.
- Study Assignment Problem and its applications.

## **ZOOLOGY:-**

### **I Semester**

- Study the significance of biosystematics importance of biosystematics, different aspects of taxonomy and bio diversity
- Study the importance of body organisation, locomotion, feeding mechanism in invertebrates. The importance of respiration excretion and larval stages in invertebrates
- Study the importance of evolution, evolution of different animals population genetics
- Study the working principles, applications of tools, different Methods of fixation, and different methods of staining.

### **II Semester**

- Brief account of cell organelles, genetic materials, protein synthesis, genetic code
- Brief account of physiological processes such as digestion, respiration, temperature regulation, endocrine glands and hormones.
- Brief account of gametes, fertilisation, developmental processes, metamorphosis organisms, teratology.
- Brief knowledge of software, hardware, basic knowledge of computer applications Importance of biological data, testing of significance

### **III Semester**

- Discuss the classification of vertebrates, study comparative anatomy of different organ system of vertebrates
- Brief account of behaviour, orientation, migration in fish understands the scope.

- Brief knowledge of demography, life table, reproductive rates, reproductive values, Population growth, Population density adaptations Stress. Physiology; Basic concepts of environmental stress and strain, Concept of elastic and plastic strain
- Brief account of immune systems, lymphoid organs, cells of immune systems, immunoglobulin pathogens, and vaccines.

#### **IV Semester**

- A detailed knowledge on structure functions of proteins, carbohydrates lipids, vitamins. Chemistry of nucleic acids.
- A detailed knowledge of physiological role of nerve cells nerve physiology, reflex Action, brain.
- A detailed knowledge on character of origin and evolution of fishes and importance of classification of fishes as proposed by Berg.
- To understand the scope and importance of Collection of fish seed, breeding in fish, ponds required for fresh water fish culture farms. Management of fish farm. Composite fish culture Prawn culture and pearl industries in India