



PROGRAM OUTCOME

PROGRAM SPECIFIC OUTCOME

COURSE OUTCOME

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PROGRAM OUTCOME OF BACHELOR'S DEGREE

PROGRAM OUTCOME OF BACHELOR'S DEGREE

Expectations from a graduation program-(UGC guidelines)

The students who complete three years of full-time study of an undergraduate program of study will be awarded a Bachelor's Degree

Some of the expected learning outcomes that a student should be able to demonstrate on completion of a degree-level program may include the following:

Demonstrate

1. Fundamental/systematic or coherent understanding of an academic field of study, its different learning areas and applications, and its linkages with related disciplinary areas/subjects;
2. Procedural knowledge that creates different types of professionals related to the disciplinary/subject area of study, including research and development, teaching and government and public service;
3. Skills in areas related to one's specialization and current developments in the academic field of study.
4. Use knowledge, understanding and skills required for identifying problems and issues, collection of relevant quantitative and/or qualitative data drawing on a wide range of sources, and their application, analysis and evaluation using methodologies as appropriate to the subject(s) for formulating evidence-based solutions and arguments;
5. Communicate the results of studies undertaken in an academic field accurately in a range of different contexts using the main concepts, constructs and techniques of the subject(s);
6. Meet one's own learning needs, drawing on a range of current research and development work and professional materials;
7. Apply one's disciplinary knowledge and transferable skills to new/unfamiliar contexts, rather than replicate curriculum content knowledge, to identify and analyze problems and issues and solve complex problems with well-defined solutions.
8. Demonstrate subject-related and transferable skills that are relevant to some of the job trades and employment opportunities.

PROGRAM OUTCOME (PO)

PROGRAM OUTCOME (PO) OF B.A

- 01.The students get knowledge in the field of social sciences, literature and humanities which sensitize them toward society needs and challenges
- 02.The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.
- 03.This program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.
- 04.It enables them to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
- 05.This program provides the base to become socially and politically informed citizen.

PROGRAM OUTCOME (PO) OF B.SC

- 01.The B. Sc. Program develops scientific temperament and attitude among the science graduates.
- 02.The qualities of a science – observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making are enlarged.
- 03.The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.
- 04.This program trains the learners to extract information, formulate and solve problems in a systematic and logical manner.
- 05.This program enables the learners to perform the jobs in diverse fields such as science, engineering, industry, survey, education, banking, development-planning, business, public service, self business etc. efficiently.

PROGRAM OUTCOME (PO) OF B.COM

- 01.They would be able to acquire basic and fundamental knowledge and skills for doing business and commercial activities of their choice.
- 02.This program also empowers the graduates to appear for various competitive exams or choose a profession of their choice such as CA, CS, ICWA, MBA, M.Com etc.
- 03.This program enables the students to acquire the accounting knowledge, management principles, retail trading, banking and insurance transactions, business economics and financial management.
- 04.The students also acquire knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and knowledge relating to corporate law and business laws.
- 05.The students become capable of doing a business of their choice or can become employees having basic knowledge and skill required for such activities.

PROGRAM SPECIFIC OUTCOME (PSO)

PROGRAM SPECIFIC OUTCOME (PSO) (PSO)- B.A. POLITICAL SCIENCE

01. To get basic understanding of discipline of political science.
02. To describe the foundational theories of political science.
03. To get the knowledge of Indian political system and functioning of Indian govt.
04. To introduce the concept of comparative politics
05. To get the knowledge of major political thinkers across the world.
06. To describe the theories and nature of international politics
07. To get the knowledge of public administration as a discipline.

(PSO)- B.A. SOCIOLOGY

01. To get basic understanding of discipline of sociology
02. To describe the features and changing pattern of Indian society.
03. To introduce the concept of tribal society and its structure.
04. To describe the social problems and its impact on Indian society.
05. To introduce the research methods to students.
06. To understand the cycle of social change and reform process
07. To gain the knowledge of sociological theories and their development.

(PSO)- B.A. ECONOMICS

01. To get basic understanding of discipline of economics.
02. To describe the features and changing pattern of Indian economy.
03. To describe the theories of development of markets.
04. To get the knowledge of world economy and its relation with Indian economy.
05. To be able to understand the need of economic reforms
06. To understand the economic development models.
07. To get the knowledge of challenges before Indian economy and its features.
08. Students will understand the role finance institution, finance management, Banking E – Banking, money and Capital markets. Students will understand the concepts GNP, NNP, GDP, NDP, PCI, Disposable Income
09. The students will understand various concepts of Agricultural Economics and they can be well familiar with rural Economy. Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade.

(PSO)- B.A. हिन्दी साहित्य

01. विद्यार्थियों को भाषा विकास के इतिहास एवं वर्तमान स्वरूप से परिचित कराना
02. हिन्दी साहित्य की विभिन्न विधाओं एकांकी, नाटक, कहानी, कविता आदि से परिचित कराना एवं उनमें संवेदनात्मक मूल्यों को विकसित करना

03. देवनागरी लिपि के विकास से परिचित कराना
04. हिन्दी की विभिन्न बोलियों में विद्यमान विविधता का ज्ञान प्रदान करना
05. छत्तीसगढ़ी भाषा के विकास एवं इतिहास से परिचित कराना
06. कार्यालयीन हिंदी भाषा की औपचारिक ज्ञान प्रदान करना

(PSO) – B.SC. BOTANY

01. Students shall be able to deal with the topics related to cell biology, genetics and Biochemistry.
02. They will be able to discuss on lower plants, Cryptogams and faanerogams.
03. They will be able to explain morphological characters, Anatomical character of a plant.
04. Students shall be able to explain the functioning, utilization and important of a plant in their surroundings.
05. They shall be able to clarify the systemic of plant according to morphological characteristics.
06. They shall be able to explain the experimental demonstration of plants to the others.
07. They shall be able to understand the developmental biology.
08. They will be able to discuss on lower plants, Cryptogams and faanerogams.
09. They will be able to explain morphological characters, Anatomical character of a plant.
10. They shall be able to clarity difference between divisions of plant kingdom.
11. Students shall be able to explain the concept of biotechnology, genetic, engineering, gene mapping and Tissue culture.
12. They shall be able to understand concepts of Biomolecules, Biochemistry and physiology of plants.

(PSO)–B.SC. ZOOLOGY

01. Depict, carry out & learn of major concept in zoology.

02. Develop an awareness of the impact of zoology on the atmosphere.
03. To ingrain scientific temperament in the student.
04. Understand the phylum history and evolution of chordates & non-Chordates by graph/picture/model etc.
05. To study and understand the micro-organism and their pathogenicity, symptoms & prevention.
06. Gain the knowledge about structural organization of Animal and their component.
07. Understand the embryological stage and their role.
08. To study and understand the vertebrate & invertebrate and their Physiology and anatomy.
09. Understand the cell transformation, immunity & cancer.

(PSO)–B.SC. CHEMISTRY

01. To understand the major concepts in all disciplines of chemistry.
02. Solve the question & also think concept and independently draw a logical conclusion.
03. Employ critical thought and scientific knowledge to design record and analyze the results of chemicals reaction.
04. Developed an awareness of the impact of chemistry on the environment, society and development the scientific community.
05. Find out the Green path for chemical reaction for sustainable development.
06. Obtain the knowledge of chemistry in theoretical and practically manner.
07. To describe nomenclature, stereo chemical, structure, reactivity & mechanism of the chemical reaction.
08. Understand chemical formula and solve numerical questions.
09. Use latest chemical tools, modes, charts & equipment's to gain knowledge of the subject
10. Understand better laboratory practices and safely measures.
11. Develop research related skills and Innovative technique.

COURSE OUTCOME

COURSE OUTCOME

COURSE OUTCOME -POLITICAL SCIENCE

This course enables its students to understand the foundations, theories and structure of Political system in country and outside world.

B.A. I Paper I - Political Theory

01. It introduces the concept of state sovereignty and the origin and role of state and the Study methods of Political Science
02. It helps to understand the basic concepts and kinds of Govt. as unitary and federal, welfare state, parliamentary and presidential system.
03. It develops the knowledge of the Organs of Government: Executive Legislature and Judiciary.
04. It gives knowledge of theories of human rights and liberty, equality and justice and gives them broad view towards understanding of political system in world politics.

B.A. I Paper II – Indian Government and Politics

- 01.This paper provides the knowledge of the Indian constitution and its features.
- 02.This paper gives the information of Fundamental Rights and duties to become ideal citizens.
- 03.To understand the functioning of the Indian govt. and its parliamentary structure.
- 04.To assess and evaluate the Indian party system, Elections and reforms.
- 05.It gives them basic understanding of the major issues of Indian politics Caste, Religion,Language and Region.
- 06.It provides them information of local govt. and its functioning.

B.A. II Paper I Western Political Thought

- 01.This paper gives knowledge of western and Indian political thought process and contribution to political understanding of human and state relations.
- 02.This paper gives information of major political thinkers such as Plato, Aristotle, Marx, Machiavelli, Rousseau, Bentham etc.
- 03.To understand the Indian political thought history and its development.
- 04.To understand the Political thought of Gandhi, Ambedkar, kautilya etc.

B.A. II Paper II Comparative Government and Politics

- 01.This paper provides information of the concept of comparative politics and its necessity.
- 02.This paper gives detailed knowledge of political system of UK, USA, CHINA and SWITZERLAND.
- 03.To understand the concept of presidential form of govt. and direct democracy and one party rule.
- 04.It helps them to gain the knowledge of political socialization, culture and system and its changing pattern

B.A. III Paper I International Politics and Foreign Policy of India

- 01.Basic concepts of International relations and politics and its development across the world.
02. It provides the knowledge of Indian foreign policy and its relation with the world politics. India's relations with its major powers and other countries.
- 03.To understand the world political history and changing pattern.

04. This paper gives knowledge of major international challenges such as environmentalism, Arms disarmament, Terrorism, Human rights and need of UNO reforms.
05. To understand the theories of world politics and concept of national interest.

B.A. III Paper II Public Administration

01. This paper gives information of public administration as a discipline and its modern concepts and reforms.
02. The kinds and functioning of Indian executive.
03. The functioning of public administration in a welfare state and the concept of globalization, privatization and liberalization.

COURSE OUTCOME - SOCIOLOGY

B. A. Part – I

Paper no-I, Introduction to sociology

Paper no-II, Contemporary Indian society

01. Introduction to the basic concept of sociology, subject matter & importance of sociology and origin and development of sociology.
02. Understanding in brief the knowledge of human society and sociology Scientific method
03. Implementing the Scientific approach in the student.
04. Introduction to the various scientific methods in the Students.
05. Developing the research attitude among student.

BA. PART 2

Paper no-I, Society of India

Paper no-II, Crime and Society

01. Getting acquainted with structure and composition of India society.
02. Discussing a brief outline of the making of the Indian society.
03. Awareness of contemporary social problems in India.
04. Introduction to major theories of Punishment and social structure and anomie.

B. A. Part-III

Paper-I, Sociology of Tribal Society

Paper-II, Social Research Methods

01. Acquaintance with different types of research and issues in research.
02. Importing basic Research Skills.
03. Analyzing the concept of Tribe.
04. Understanding sociocultural profile.
05. Introduction to various Steps in conducting Research.
06. Understanding problems of Tribal people.

COURSE OUTCOME – ECONOMICS

Ba.1

Paper 1 micro economics

Paper 2 Indian economy

01. To understand various aspects and features of Indian economy.
02. To understand the theories of production and cost, market structure, theories of distribution
03. To understand the basics of welfare economics
04. Student will know about Consumer's behavior, Demand analysis, cardinal and ordinal utility. It also provides the information to the student for elasticity of demand, price, income and cross elasticity of demand
05. Students will learn about the concepts of statistical methods.
06. Students will know the concepts of supply of money and demand for money, types of money, classical and modern theory of interest, Trade cycle Theory.
07. Students will know demographic features, size, sex ratio, growth rate, migration, Industrial development, Industrial policy, FERA, FEMA, Act and the Concept of LPG

08. To understand the role of external factors in Indian economy

Ba.2

paper 1 macro economics

Paper 2 money banking and public finance

01. To understand the concept of national income and measurement
02. To understand the basics and theories of macro economics
03. To provide the detailed knowledge of consumption function and investment function
04. To introduce the theories and models of trade cycle
05. To provide the knowledge of international trade and theories, Tariffs & import quotas, Concept of optimum tariff. Balance of trade & balance of payment
06. To provide the knowledge of concept & components of BOP, Equilibrium & disequilibrium in BOP, Relative merits & demerits of devaluation, Foreign trade multiplier
07. To provide the knowledge of concept of money, Value of Money, Inflation, deflation, types, causes and effects on different sectors of the economy; Demand pull and cost push inflation; Measures to control inflation
08. To get the knowledge of commercial banking, Quantitative and qualitative methods of credit control; Bank rate policy; Open market operations
09. To get the knowledge of public finance; public goods v/s private goods, The Principle of maximum social advantage; Role of the government in economic activities, Public expenditure
10. To provide the knowledge of Public revenue; taxation - Meaning, Canons and classification of taxes, Division of tax burden, The benefit and ability to pay approaches; Impact and incidence of taxes; Taxable capacity; Effects of taxation; Characteristics of a good tax system; Equity and Justice in Taxation, Major trends in tax revenue of the Central and State Government in India
11. To get the basics of public debt and financial administration: Sources of public borrowing, Effects of public debt, method of debt redemption. The public budget- Kinds of budget, Economic and functional classification of the budget; Preparation and passing of budget in India

Ba.3

paper 1 development and environmental economics

Paper 2 statistical methods

01. To provide the knowledge of relation of economics and development
02. To provide the knowledge of population problems and growth pattern of population, theories of demographic pattern
03. To get the knowledge of environmental issues and sustainable development
04. To get the knowledge of intellectual capital, sustainable agriculture, globalization and agriculture growth
05. To get the knowledge of Importance of Statistics in Economics, Statistical investigation, Census and sampling methods of statistical investigation, Statistical data, Collections of Data, Primary & Secondary Data.
06. To get the knowledge of dispersion, co relation, and other measuring methods

COURSE OUTCOME -COMMERCE

B.Com. First Year:

Group: 1

Subject: Financial Accounting:

Students are benefitted by the knowledge of basics of financial accounts in which golden rule of accounting, accounting concepts & principles, equation, journals, ledger, trial balance and final accounts as income statements like trading, P&L a/c, Financial Position (Balance Sheet). Bank reconciliation statement is directly related to rectify the transactions of bank passbook and bank statement. Students can apply this knowledge in various field of accounting. Tally is software package for accounting.

Group: 1

Subject: Business Communication:

01. To understand the basic elements and classification of communication.
02. To develop knowledge about evaluation of communication thoughts.
03. To enhance their writing skill and report writings.
04. Better communication skill and interview techniques.

05. Effective listening and proper feedback.

Group: 2

Subject: 1. Business Mathematics:

01. To understand the basic calculations and simplest techniques of calculation.
02. To provide practical knowledge regarding simple interest and compound interest.
03. Ratio and proportion is taught which is practically used in the real life.
04. Average and percentage is used everywhere.
05. Logarithm is used to calculate large numbers.

Group: 2

Subject: 2. Business Regulatory Framework

01. To help the students to understanding about the Law of contract in which proposal, acceptance, consideration, legal object, capacity of the party entering into the contract.
02. To introduce the concept of sales, its rules and regulations and remedies for the unpaid seller.
03. Negotiable instruments are dealt with the students in which cheques, bills of exchange, promissory notes etc.
04. Consumer Protection Act is very essential to the present scenario which is taught to the students.

Group: 3

Subject: 1. Business Environment:

01. Knowledge of Basics in business environment is provided to the students.
02. Environmental protection awareness is spread among the students.
03. Theory of monetary and fiscal policy, globalization, and devaluation of money is discussed.
04. Balance of trade and balance of payments is included in the syllabus.
05. Students are provided the knowledge regarding WTO, UNCTAD, World Bank, IMF and its implication on trade.

Group: 3

Subject: 2. Business Economics:

01. Students are provided the knowledge about micro economics, macroeconomics.
02. Concepts of demand and supply, factors of production.
03. National income is taught which is very important to the students.
04. Pricing policy in perfect competitive market, monopoly, monopolistic competition.

B.Com. Second Year:

Group: 1

SUBJECT: 1. CORPORATE ACCOUNTING:

01. Students learnt about share and debenture.
02. Valuation of shares and redemption of debenture is taught to the students.
03. Company final account is essential to know at this competitive era.
04. Merger and acquisition is the trending features of the era, thus it is important for all students.

SUBJECT: 2. COMPANY LAW:

01. Students are made aware of the company law 2013 in which new salient features are included.
02. Types of company and its formation is essential to know every students.
03. How company is incorporated and started its business in the market, all rules and regulations are explained.

Group: 2

SUBJECT: 1. COST ACCOUNTING:

01. Costing is essential to every manufacturing concern.
02. Unit costing and cost sheet is taught to the students.
03. Job Costing and Batch Costing is important.
04. Contract costing is very useful to the real life.

SUBJECT: 2. Principles of Business Management

01. To introduce the meaning and scope of Business Management.
02. Induce students by motivational theories.
03. Understand the concept of planning decision making.
04. Introduction on Managerial control.

Group: 3

SUBJECT: 1. Business Statistics

01. To understand the basic knowledge about statistics.
02. To provide practical Exposure on calculation of measures of central tendency.
03. To provide practical approach on correlation and regression.
04. To understand the concept of Index number.
05. Concept of probability and its applications.

SUBJECT: 2. Fundamentals of Entrepreneurship

01. To develop the concept of entrepreneurship and its applicability.
02. To create awareness on various entrepreneurial program.
03. Entrepreneurial behavior and environment is essential.
04. Role of entrepreneurship and its scope.

B.Com. Final Year:

SUBJECT: 1. Income Tax

01. To introduce the basic concepts of income from all major headings.
02. Residential status of the income tax payer is introduced.
03. Income from Salary, House Property, Business/Professions, Capital Gains and income from other sources are explained to the students.
04. Students are taught about deductions allowed u/s 80C to 80 U.
05. Income tax calculation and tax planning is beneficial to the students.

SUBJECT: 2. Auditing

01. To know the nature and scope of auditing.
02. To promote the internal check system.
03. Audit of Company, partnership firms, PPP Firms etc. are important for the students.
04. Auditing is essential in the competitive era.

Subject: 3. Indirect Tax

01. To develop an idea about Central Excise.
02. To enlighten the concept of state excise, CENVAT.

03. Enabling the students to have the fair idea on role of customs in international trade.
04. To determine the concept of central sales tax and state commercial tax.

Subject: 4. Management Accounting

01. To enlighten the knowledge of management accounting.
02. Helps to give proper idea on financial statement analysis in practical points of view.
03. Cash Flow and Fund flow statements are essential in the real world.
04. Accounting ratios are very useful to the business.
05. Marginal costing and differential costing is important to the students.

Group: 1

Subject: 1. Principles of Marketing

01. Nature and scope of marketing and applicability of marketing.
02. To enhance the knowledge of students on consumer behavior.
03. Product life cycle and its stages are very important for the manufacturing concern.
04. Pricing policies and sales forecasting are essential for the concern.

Subject: 2. International Marketing

01. To help the students regarding international marketing.
02. Identifying and selecting foreign market.
03. Trade association and international distribution are taught.
04. Importance of foreign trade and EXIM policy.

COURSE OUTCOME - BOTANY

B. Sc. I (A)

Bacteria, Viruses, Fungi, Lichens and Algal

01. They shall understand the general features, structures, reproduction and economic importance of microbes.
02. Students shall be able to understand habit, habitat, cellular

composition, nutrition, reproduction of fungi and Algae and their association.

03. Students shall be able to identify the useful and harmful fungi and their use in life.
04. They shall be able to explain the value of lichens.

B. Sc. I (B)

Bryophytes, Pteridophytes, Gymnosperm and Palaeobotany

01. To identify the characteristics, affinities, range of thallus organization, classification and ecological importance of Bryophytes, Pteridophytes and gymnosperm.
02. Students shall be able to explain the different type of gymnospermic plant with their morphological characteristics.
03. Students shall be able to understand the use of fossil to study the plant as well as importance of geological era.

B. Sc. II (A)

Diversity of Seed Plants and their Systematics

01. Students shall be able to understand the classification of different taxonomists.
02. They shall be able to understand the relation of taxonomy to cytology, phytochemistry and taxometrics.
03. Students shall be able to understand Principle and rules, taxonomic rank, Principles of priority of Botanical nomenclature.

B. Sc. II (B)

Structure, Development and reproduction in flowering plants

01. Students shall be able to understand the morphological, Anatomical and developmental structures of plants.
02. They shall understand the histological organization and vascularisation of plants.
03. Students shall be able to understand the horticultural concepts, vegetative propagation grafting and economic aspects.

B. Sc. III (A)

Plant Physiology, Biochemistry and Biotechnology

01. Students shall be able to understand physiological process of plants and relationship of plant to water, soil, and organic

substances.

- 02.They shall be able to deal with enzymology, growth and developmentalprocess of plants.
- 03.They shall be able to understand the basic concepts of genetic engineeringand Biotechnology.

B. Sc. III (B)

Ecological and Utilization of Plants

- 01.Students shall be able to understand the biological and physical factors of environment and their existence and importance to environment.
- 02.Students shall be able to explain the functioning of ecosystem.
- 03.They shall be able to Explain about economically important plants.
- 04.They shall be able to explain the ecological related topics.

COURSE OUTCOME- ZOOLOGY

B.SC 1ST YEAR

PAPER 1: CELL BIOLOGY AND NON CHORDATA

PAPER 2: CHORDATA & EMBRYOLOGY

1. Students will understand about the cell & cell division, elementary idea of immunity etc.
2. They will get knowledge about general characters & classification of phylum : protozoa, porifera & platyhelminthes& phylum mollusca etc.
3. They will understand about phylum hemichordate (balanoglossus), protochordata (amphioxus)etc.
4. They will understand about the different class of vertebrates: pisces, amphibian, reptiles, aves, mammals.
5. They will understand about fertilization & embryonic introduction.

B.SC 2ND YEAR

PAPER 1: ANATOMY & PHYSIOLOGY

PAPER 2: VERTEBRATE ENDOCRINOLOGY, REPRODUCTIVE BIOLOGY BEHAVIOUR, EVOLUTION & APPLIED ZOOLOGY

1. Students will understand about integument & their derivatives alimentary canal, respiratory organs endoskeleton circulatory system urinogenital system, nervous system structure & function of eye & ear etc.
2. They will understand about gonads & genital ducts digestion and absorption physiology of heart blood coagulation respiration excretion physiology of muscle contraction physiology of nerve impulse etc.
3. They will also understand about endocrine glands: structure & function, hormone receptor biosynthesis and secretion of hormones, reproductive cycle menstruation etc evidences & theories of evolution, evolution of horse, study about ethology, patterns of behaviour, reproductive behavioural patterns, hormones & behaviour.
4. They will understand the different types of cultures like: prawn culture sericulture pisciculture apiculture poultry keeping elements of pest control etc.

B.SC FINAL YEAR

PAPER 1: ECOLOGY, ENVIRONMENTAL BIOLOGY: TOXICOLOGY, MICROBIOLOGY & MEDICAL ZOOLOGY

PAPER 2: GENETICS CELL PHYSIOLOGY, BIOCHEMISTRY & BIOTECHNIQUES

1. The students will understand about aims & scopes of ecology, major ecosystem of the world population, communities & ecosystem, bio-geo chemical cycles air & water pollution laws of limiting factor food chain in fresh water ecosystem energy flow in ecosystem conservation of natural resources environmental impact assessment.
2. Study about toxicology: definition & classification, basic concept, principal of systematic toxicology, heavy metal toxicity, animal poisons: snake venom, food poisoning etc.

3. To understand microbiology: applied & general, domestic water & sewage, milk & milk products, industrial microbiology etc medical zoology brief introduction of pathogenic microorganisms brief account of life history & pathogenicity protozoa: Entamoeba, helminthes: schistosoma, vector insects.
4. They will understand about linkage & linkage maps, gene interaction, complementary gene, mutation, human genetics, general idea about Ph & buffer, transport across membrane, active transport in mitochondria, enzymes, amino acids & peptides, carbohydrates & its metabolism, glycolysis, lipid metabolism, protein catabolism, application of biotechnology, recombinant DNA & gene cloning, etc. Principles & techniques about: Ph meter, colorimeter, microscopy, centrifuge, separation of biomolecules etc.

COURSE OUTCOME- CHEMISTRY

B.Sc. 1st year

Inorganic chemistry

01. To understand the including effect & other field effect.
02. To discuss the crown ether & inclusion compound.
03. Knowledge about the intermediate like carbocation, carbanion, carbene, nitrene etc.
04. knowledge the hybridization in molecules.

Organic chemistry

01. Define organic acids & base.
02. Distinguish between geometrical & optical isomers.
03. Know kinetic, mechanism and stereochemistry SN1 & SN2 reaction.

04. Compare between E1 and E2 reaction.

Physical chemistry

01. To discuss about Gaseous theory.
02. To know the solid state theory and Braggs equation.
03. Discuss the colidal state and Tindal effect in surface chemistry.
04. Knowledge the rate of reaction & order of reaction – first, second & third order reaction.

B.Sc. 2nd year

Inorganic chemistry

01. Understand the electronic configuration & varies properties of d & f block elements.
02. Know the VBT theory for complexes.
03. To understand the extraction methods for lanthanides & acteniods.
04. Know the electronic spectra of elements.

Organic chemistry

01. To understand the monohydric, dihydric and trihydric alcohol.
02. Know the benzoin condensation and various name reaction.
03. Knowledge the heterocyclic compound and their synthesis.
04. Understanding the amine acids, lipids and other biomolucularcompound .

Physical chemistry

01. Knowledge the thermodynamic 1st, 2nd and third law of thermodynamic.
02. To understand the cell reaction and cell rotation.
03. Know the nernst equation and Gibb's free energy.
04. Discuss about the corrosion.

B.Sc. 3rd year

Inorganic chemistry

01. Know the metal ligand bonding nature & its properties.
02. Study the magnetic properties and its behavior.

03. Get knowledge about Bioinorganic chemistry.
04. Study about Essential & toxic element.

Organic chemistry

01. To study UV, IR, & NMR, ESR spectroscopy
02. Discuss about electronic transition molecule.
03. Knowledge about synthetic dyes & Rubbers.
04. Understand the organometallic chemistry & its daily use.

Physical chemistry

01. Understand the completion effect & black body radiation.
02. Know about Hook's law.
03. Discuss about Jablonski diagram.
04. Knowledge the result's law.

COURSE OUTCOME - HINDI LITERATURE

(प्राचीन हिन्दी काव्य)

01. छात्रों को हिंदी के गद्य और पद्य के कवियों एवं लेखकों से परिचित कराना।
02. साहित्य के विभिन्न विधाओं के माध्यम से छात्रों का भावात्मक एवं सृजनात्मक ज्ञान विकसित करना
03. छात्रों में साहित्य एवं साहित्यकारों के सृजनात्मक लेखन के प्रति अभिरूचि विकसित करना

B. A. I (हिंदी कथा साहित्य)

01. छात्रों में कथा साहित्य के प्रति अभिरूचित विकसित करना

02. छात्रों में भाषा के रचनात्मक पहलुओं की समझ विकसित करना
03. छात्रों में हिंदी तथा मानक लिपियों की समझ विकसित करना
04. छात्रों में कहानियों एवं उपन्यासों के माध्यम से लेखकों की सृजनात्मक शैली की समझ विकसित करना।

B. A. II(अर्वाचीन हिंदी काव्य)

01. छात्रों को हिंदी के कवियों एवं उनकी रचनाओं से अवगत कराना
02. छात्रों में देवनागरी लिपि के अंतर्गत उसकी उत्पत्ति, वैज्ञानिकता एवं विशेषता से अवगत कराना
03. छात्रों को हिंदी व्याकरण का ज्ञान कराना
04. छात्रों को हिंदी के कार्यालयीन एवं व्यवहारिक पत्रों के स्वरूप से परिचित कराना

B. A. II(हिंदी निबंध तथा अन्य विधाएं)

01. छात्रों को नाटककार, एकांकीकार एवं निबंधकारों एवं उनकी रचनाओं से परिचित कराना
02. छात्रों में नाटक एवं एकांकियों के माध्यम से सामाजिक समस्याओं से परिचित कराना
03. छात्रों में लेखन शैली के प्रति आलोचनात्मक दृष्टि विकसित करना

B. A. III(छत्तीसगढ़ी भाषा एवं साहित्य)

01. छात्रों को छत्तीसगढ़ी भाषा के प्रति अभिरूचि विकसित करना
02. छात्रों को छत्तीसगढ़ी साहित्य से परिचित करना
03. छात्रों को कंप्यूटर में हिंदी के अनुप्रयोग से परिचित करना

B. A. III(हिंदी भाषा एवं साहित्य का इतिहास तथा काव्यांग विवेचन)

01. छात्रों को हिंदी भाषा के विभिन्न रूपों का ज्ञान कराना
02. छात्रों की हिंदी भाषा के इतिहास एवं आधुनिक साहित्यिक विशेषताओं से परिचित कराना
03. प्रतिनिधि रचनाकारों की कृतियों एवं उनकी साहित्यिक विशेषताओं से परिचित कराना
04. छात्रों को काव्य स्वरूप एवं प्रयोजन से परिचित कराना

COURSE OUTCOME - HIND LANGUAGE (COMPULSORY)

01. छात्रों को हिंदी भाषा की उत्पत्ति विकास एवं उपभाषाओं एवं बोलियों का ज्ञान प्रदान करना
02. छात्रों की हिंदी भाषा के कवियों एवं लेखकों की सृजनात्मक लेखन का ज्ञान प्रदान करना
03. छात्रों को हिंदी व्याकरण एवं भाषा शुद्धियों का ज्ञान कराना
04. छात्रों में छत्तीसगढ़ी साहित्य के प्रति अभिरूचित विकसित करना
05. भाषा के माध्यम से सांस्कृतिक एकता का विकास करना
06. राजभाषा के रूप में हिंदी का विकास करना

COURSE OUTCOME - ENGLISH LANGUAGE (COMPULSORY)

01. Enhance language through a task-based & learner – centric syllabus
Familiarize with various aspects of our new state of Chhattisgarh.
02. Carry out all the LSRW skills
03. Channelize energy through soft skills and Value orientation ? Learn good English to prosper in professional and personal lives
04. Become proficient in English for global competency
05. To develop their critical thinking capabilities focused through the course as an important need.
06. To meet a variety of real life communication needs.
07. The students learn/are equipped with the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills.
08. The text focuses on readability and testability.
09. The exercises and the pre & post reading activities in the text draw the student into the book and make them to read it with understanding and insight and also encourage them to think beyond the text.
10. The students gain ample practice in writing skills. They can write essays and reports and differentiate between objective and subjective writing.

11.They become aware of the varieties of English through inputs in British and American Vocabulary. They are also exposed to different literary genres of prose and poetry

COURSE OUTCOME - ENVIRONMENTAL STUDIES (COMPULSORY)

- 01.It provides knowledge of environmental issues to students and sensitize them towards importance of environment conservation.
- 02.It enables them about climate change and impact on human society.
- 03.It enables them to learn about relation between environment conservation and sustainable development.
- 04.It gives them knowledge about kinds of pollution and its impact on economy and health issues of humans.
- 05.It gives them information of the efforts being made by govt. and international community.
- 06.It introduce them importance of renewable energy
- 07.It gives them knowledge of ecosystem and its functioning.