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(Accredited 'B' Grade by NAAC, UGC)

PROGRAMME AND COURSE OUTCOMES

B.A-

English

Course Learning Outcomes:

1. Enhancing vocabulary with different types of words
2. Translation from Hindi to English and vice versa
3. Reinforcing selected components of grammar and usage
4. Strengthening comprehension of prose and short stories
5. Strengthening compositional skills in English for paragraph writing. CVs and job applications.

Pol.Science-

Semester-Ist-Foundations of political science

Course Learning Outcomes:

After completing the course, the learner will be able to:

1. Understand the various traditional and contemporary approaches of Political Science.
2. Understand multiple frames by which the idea of political society is analysed, debated and constructed.
3. Understand the significance of theorizing and then applying theory in practice.
4. Gain critical thinking and develop the ability to make logical inferences about socioeconomic and political issues, on the basis of understanding of various aspects, concepts, views, ideas and theories in the sphere of Political Science.

Semester-IIst- Indian political Thought

Course Learning Outcomes:

After completing the course, the learner will be able to:

1. Critically understand and evaluate the Indian Political thought.
2. Identify and describe the key characteristics of Indian political thought and develop a strong understanding of selected histroiographical debates.
3. Think, discuss and debate about issues, conditions and challenges in ancient, medieval, contemporary India, from multiple vantage points, including its significance in the making of modern India.
4. Develop tolerance and respect for diverse opinion and at the same time, to admire and appreciate the plurality within the Indian intellectual tradition.

History-

Semester-I CC-I- History of India (From the Beginning Upto 1200 C.E.)

Course Outcome:

By the end of this course, students will have a sound knowledge of the main sources and methodologies used in studying ancient Indian history. Overall, the course aims to provide a comprehensive understanding of ancient Indian history and develop analytical and critical thinking skills in interpreting historical sources.

Semester: II CC 2-History of Modern World

Course Outcome:

Overall, this course aims to equip students with the historical knowledge and critical thinking skills necessary to comprehend and analyse the complex developments that have shaped the modern word.

Urdu Literature

Semester-1- Paper Prose and Rehetorics

Course learning outcomes:-

After the completion of the course, the students shall be able to;

1. To learn about basic concepts of URDU Prose.
2. To have knowledge about Evolution of URDU Prose.
3. To learn about Indian Culture, historical and political Scenario by different time period of URDU prose writers.
4. To explain prose text in depth
5. It intends to familiarize the students with basic concepts of URDU Rhetorics.
6. To gain the basic understanding of understanding of fundamental concepts of URDU Rhetorics.

Semester-II- Poetry and Drama

Course Learning outcomes :-

After the completion of the course the students shall be able to;

1. To gain the basic understanding of fundamental concepts of URDU Ghazal, NAZM.
2. To have Knowledge about evolution of URDU Ghazal and Nazm
3. To Explain the text of classical and modern Ghazals and Nazm in depth.
4. To learn about basic knowledge of fundamental concepts of Nazm and its forms.
5. To Explain the text of URDU, Nazm
6. To gain knowledge of different URDU poets, their life history, their thinking and their socio-political background which will help to understand Indian Culture through literature.
7. To learn about development of URDU Nazm
8. To gain the basic understanding of fundamental concepts of URDU Drama and forms of URDU Drama.
9. To have knowledge about evolution of URDU Drama
10. Students will gain better understanding of ethical, social, and human values with URDU Drama

HINDI LITERATURE-

Semester-1-आदिकाव्य एवं भक्तिकाव्य

Course Learning Outcomes:

1 आदिकालीन परिवेश राजनीतिक, सांस्कृतिक, सामाजिक, धार्मिक, इत्यादि परिस्थितियों से परिचित हो सकेंगे।
2 आदिकालीन शोध की नवीन दृष्टि का विकास हो सकेगा।
3 भक्ति काल की सामान्य परिस्थितियों तथा विशेषताओं से अवगत हो सकेंगे।
4प्रमुख भक्त कवियों और उनकी रचनाधर्मिता से परिचित हो सकेंगे।

Semester-II-कहानी एवं उपन्यास

Course Learning Outcomes:

1 जीवन की यथार्थ अनुभूति से परिचय हो सकेगा।
2 कथा लेखन तथा उसके प्रभाव का विश्लेषण संभव हो सकेगा।
3 आदर्श नागरिक बन सकेंगे।
4 आत्माभिव्यक्ति की भावना विकसित हो सकेगी तथा भावी लेखन की पृष्ठभूमि का विकास हो सकेगा।

B Sc (Mathenatics)-

PROGRAMME OUTCOMES (PO)

The program would enable students to take on advanced courses in Mathematics with global needs and to serve as a formidable skill-force in research, academia, industry, government, and other sectors where Mathematics is reckoned as a strong devising and design tool with diverse interdisciplinary applications.

Mathematics-

Semester-1st-Calculus& Optimization Techniques

Course Learning Outcomes:

By the end of the course, students should be able to:

1. Understand the concept of curvature and padel equations.
2. Understand the concept of maxima-minima, double triple integration and its allpications.
3. To understand mathematical formulation of optimization problems and allied theoretical concepts for solution methodologies.

Semester-2nd- Discrete Mathematics & Vector Calculus

Course Learning Outcomes:

The course would enable the student.

1. To understand the ideas in discrete structures viz. Partial ordered sets, Lattices, Graphs etc. and allied conceptual intricacies with applications.
2. Understand the concept of vector calculus viz. operators, vector intergration

Chemistry-

Semester-I-Structure-bonding, Matematical concept and States of matter

Course Outcomes: By the end of this course, students will have a clear understanding ofvarious concepts related to atomic and molecular structure, chemical bonding, mathematical concepts, and states of matter. Students will also have practical experience in calibration of glassware, qualitative analysis of radicals, identification of functional group in organic compounds, determination of various physical properties of substances, crystallization and preparation of standard solutions of different concentrations.

Semester-II-Reaction Mechanism, Stereochemistry, Aromatic hydrocarbons and Chemical kinetics

Course Outcomes: By the end of this course, students will have a clear understanding of drawing logical and detailed reaction mechanisms for various fundamental reactions of aliphatic and aromatic hydrocarbons, methods of determining the reaction mechanisms, classifying the molecules as chiral or achiral, determining the D/L and R/S nomenclature of stereoisomers and identifying the formation of racemic mixture or optically active compounds during the reactions. Students will also have an understanding about order and molecularity of reactions, rate law and methods determining of order and kinetic parameters of reactions. Students will also have practical experience in quantitative analytical techniques including

Physics-

Semester-I-Mechanics & Oscillations

Course Learning Outcomes:

By the end of the course, students should be able to:

1. Understand the concept of inertial and non-inertial frames of reference and their implications on the laws of motion.
2. Apply transformations of displacement, velocity, and acceleration between different frames of reference involving translation.
3. Explain the Galilean transformation and the invariance of Newton's laws.
4. Analyze the motion in rotating frames, including the transformation of displacement,

6. Define conservative and non-conservative forces and analyze rectilinear motion under conservative forces.
7. Analyze potential energy curves and understand the motion of particles under conservative forces.
8. Explain the concept of the center of mass and its relevance in the motion of systems of particles.
9. Apply the concept of conservation of angular momentum and analyze particle scattering by a nucleus.
10. Understand the equations of motion for rotating bodies and the concept of the moment of inertia.
11. Analyze the kinetic energy of rotation and the motion of spinning tops.
12. Understand the motion under central forces, including gravitational interaction and Apply Kepler's laws.
13. Analyze damped harmonic oscillations and understand the effects of damping on oscillatory motion.
14. Analyze driven harmonic oscillators with damping and understand frequency response and power dissipation.
15. Explain the behavior of coupled oscillators and analyze systems of oscillators with neighbor interactions.

Semester-II-Electromagnetism

Course Learning Outcomes:
By the end of the course, students should be able to:
1. Understand the concept of scalar and vector fields and their physical significance.
2. Demonstrate knowledge of gradient, divergence, and curl operators and their applications in electromagnetism.
3. Apply Gauss divergence and Stoke's theorems to analyze electric and magnetic fields.
4. Explain the behavior of electric fields and potential energy in different charge distributions.
5. Analyze the interaction of electric dipoles with external electric fields and calculate the resulting potentials.
6. Solve problems related to Poisson's and Laplace's equations in electrostatics.
7. Describe the behavior of electric fields in different types of matter, including dielectrics and polarized spheres.

B.Sc (Biology)

Botany-Semester-1st
Bot A02-Diversity of plant kingdoms
Course Outcomes-
Understanding
1. To aware students, diversity of plants present in various habitats.
2. Understand microscopic view of the plant
3. To interpret amphibious to symbiotic relationship of the plants

Memorizing
1. Diagrammatic representation of the algae, bryophytes and lichens.
2. Habit, habitat, thallus organization of various members
3. Typical type of Life cycles found in algae and bryophytes

Applying
1. Economic importance of algae, bryophytes and lichens.
2. Microscopic identification of algae, bryophytes and lichens.

Botany-Semester-2nd
BOT A03-Cell biology, molecular biology and Genetics
Courses Outcomes-
Understanding

4. To interpret genetics of a large group of population.

Memorizing•

1. The structural and functional aspects of cellular organelles.
2. Human chromosomes and organization of chromosomes
3. Differentiation between linkages, crossing over. allelic interactions
4. Mendal's laws of genetics.

Applying

1. Variations in functions of cell organelles.
2. Concept of cell cycle, abnormalities, cell membrane, cell-cell interactions.
3. Possibilities of mutations and mutagens.

Zoology-

Semester-1st-Animal Diversity

Course Learning Outcome: Upon completion of the course, students will be able to:

• Learn Morpho-taxonomy and structural organisation of non-chordate and chordate groups.
• Acquire knowledge of the diversity of non-chordate and chordate groups.
• Learn evolutionary relationships and phylogeny of non-chordates and chordates through functional and structural similarities.
• Understand the economic importance of non-chordates and chordates and their significance in the ecosystem.
• Promote shared learning through practical classes, class room presentations and projects.

Semester-II-Comparative Anatomy and Developmental Biology of Vertebrates

Course Learning Outcome: Upon completion of this course, students should be able to:

Know about the levels of organization among different groups of vertebrates.

Understand that different organs and organ systems integrate with each other to impart proper regulation of a particular function.

• Understand how the various organs evolved during the course of evolution through succession.
• Know the evolution of different concepts in developmental biology.
• Be able to understand the process of gamete formation from stem cell population to mature ova and sperm.
• Be able to comprehend the sequence of steps leading to the formation of gametes and the development of embryos.
• Learn the mechanisms underpinning cellular diversity and specificity in animals.
• Study the methods and tools related to developmental biology, which help to understand different processes of embryogenesis.

Commerce

PROGRAMME OUTCOMES (PO)

1. Accounting Knowledge: Students will acquire a comprehensive understanding of accounting principles, concepts, and practices, including financial accounting, cost accounting, management accounting, auditing, and taxation.
2. Financial Statement Analysis: Students will develop skills in analyzing and interpreting financial statements, assessing the financial health of organizations, and making informed decisions based on financial information.
3. Auditing and Assurance: Students will understand the principles and practices of auditing, including the role of auditors, audit procedures, internal controls, risk assessment, and ethical considerations inauditing.
4. Financial Management: Students will learn about financial management principles, including capitalbudgeting, capital structure, working capital management, financial

5. Communication and Interpersonal Skills: Students will enhance their communication skills, both writtenand oral, and develop the ability to work effectively in teams, present financial information, and communicate with stakeholders.
6. Analytical and Problem-Solving Skills: Students will develop strong analytical and problem-solving skills, enabling them to analyze complex financial data, identify issues, and propose appropriate solutions.

These program outcomes are designed to prepare B.Com. Graduates for careers in accounting, finance, auditing, taxation, financial analysis.

ABST

Semester-I- Financial Accounting
Course Learning Outcomes:
1. Understanding of the basic concepts and process of accounting.
2. Ability to prepare various subsidiary books, trial balance and final accounts of a sole proprietorship business.
3. Ability to prepare departmental profit and loss account and balance sheet.
4. Have deeper understanding with various methods of preparing branch accounts,
5. Understanding of the process of valuation of loss of stock, consequential loss of profit and amount to be claimed from the insurance company in the event of a fire accident.
6. Understanding of the steps involved in conversion of single entry into double entry system of bookkeeping with all the relevant adjustments.
7. Abilityto prepare accounts for transactions related to Hire Purchase, Installment and Lease system.

Semester-II-
Course Learning Outcomes:
1. Understand the basics of statistics and its applications
2. Understand various statistical tools for business decision-making.
3. Select the appropriate method for data collection, presentation, analysis, and interpretation to make formed decisions
4. Analyze the relationship between two variables of various managerial situations.
5. Compute basic statistical parameters and predict the values of regression, correlation, time series and Index numbers
6. Solve problems for business decision-making and interpret solutions with various statistical Techniques.

BUSINESS ADMINISTRATION
Semester-I-Principles of Business Management

LEARNNING OUTCOME OF THE COURSE:
1. Acknowledge the need for formal management education.
2. Acquire skills for becoming effective managers.
3. Acquire ability to apply basic business management principal to solve business and industry related problems.
4. Practice management principles wherever possible and utilize the available resources more productively.

Semester-II-Business law
LEARNING OUTCOME OF THE COURSE
1. Know rights and duties under various legal Acts.
2. Understand consequences of applicability of various laws on business situations.

प्राचार्य
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