



Veena Memorial PG College

(Affiliated to University of Kota, Kota & Recognized by DCE Rajasthan, NCTE New Delhi)

2.6.1: Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

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S.N.	Name of Document
1.	Program Outcomes (Pos) and Course Outcomes (Cos)

Principal
Dr. Laxman Dhaked



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Program Outcomes:

M.A. (Geography)

The M.A. Program Outcomes run by University of Kota are as follows:

1. The students attain comprehensive knowledge in Geography and English literature, fostering their sensitivity and practicality in resolving human-related issues.
2. Postgraduates will familiarize themselves with the social, economic, historical, geographical, political, ideological, and philosophical aspects within their respective fields.
3. The program also enables postgraduates to prepare for various competitive examinations or select any postgraduate or research program of their preference.
4. The M.A. program equips students with knowledge imbued with human values, providing a foundation to tackle life's challenges with bravery and compassion.
5. Through the specialized PG program, students will be sufficiently motivated to contemplate and take action towards resolving various issues in human life, contributing to making this world a better place.
6. The PG program acquaints students with research methodologies in their respective subjects, offering insights into data collection, inquiry, primary and secondary methods, data classification, and tabulation. Students gain knowledge of various research methods and recognize the significance of research in finding solutions to specific issues.

Bachelor of Science (B.Sc.)

The B.Sc. Program Outcomes run by University of Kota are as follows:

1. Graduates will have a strong foundation in the fundamental concepts of science (math & bio).
2. Graduates will be able to apply their scientific knowledge to solve real-world problems.
3. Graduates will be able to communicate their scientific ideas clearly and concisely.
4. Graduates will be able to think critically and solve problems creatively.
5. Graduates will be prepared for further study in mathematics and biology or related fields, or for careers in a variety of industries such as finance, technology, or education.

Bachelor of Arts (B.A.)

The B.A. Program Outcomes run by University of Kota are as follows:

1. The students gain knowledge in social sciences, literature, and humanities, fostering sensitivity and sensibility.



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2. B.A. graduates will familiarize themselves with social, economic, historical, geographical, political, ideological, and philosophical traditions and thoughts.
3. The program also prepares graduates for various competitive examinations or enables them to pursue their preferred postgraduate program.
4. The B.A. program equips students with knowledge infused with human values, laying the foundation to tackle life's challenges with courage and compassion.
5. Students will be inspired to contemplate and take action towards resolving various issues present in human life, contributing to making the world a better place.
6. The program establishes the groundwork for becoming responsible citizens.

FOUR-YEAR INTEGRATED B.Sc. B.Ed / B.A. B.Ed PROGRAM

After completing this program, student teachers will:

1. Understand educational concepts and create effective teaching methods for different subjects.
2. Recognize the importance of education in sustainable development and analyze different teaching approaches for diverse learners.
3. Apply subject knowledge to teaching, continue learning, and improve teaching skills for better education.
4. Gain essential computer skills for teaching and adapt to new learning technologies.
5. Acquire communication skills, artistic abilities, and effective teaching strategies for inclusive education.
6. Learn from practical teaching experiences in schools and adapt teaching methods to meet students' diverse needs.
7. Develop the qualities imbibed through this course and use them in life.
8. Through this course, try to understand yourself and understand others.
9. Develop various skills and gain proficiency in life useful skills

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Course Outcomes: Computer Application

Program: BA / BSc

Semester I: Introduction to Information Technology

1. Understanding Computer Basics

- **Outcome:** Students will be able to describe the basic model of a computer, including the CPU, memory, and I/O units, and explain the characteristics and importance of algorithms.
- **Units Covered:** UNIT-I

2. Computer Generations and Classifications

- **Outcome:** Students will be able to differentiate between the five generations of computers and classify computers based on their development. They will also understand the history and architecture of the Indian supercomputer PARAM.
- **Units Covered:** UNIT-I

3. Memory Organization and Storage Devices

- **Outcome:** Students will be able to identify different types of computer memory and physical storage devices, explaining their functions and uses.
- **Units Covered:** UNIT-II

4. Data Representation and Binary Arithmetic

- **Outcome:** Students will be able to perform data representation and binary arithmetic operations, including addition, subtraction, multiplication, and division.
- **Units Covered:** UNIT-III

5. Understanding Software Concepts

- **Outcome:** Students will be able to classify different types of software, understand their qualities and attributes, and differentiate between programming languages.
- **Units Covered:** UNIT-IV

6. Internet and E-Commerce

- **Outcome:** Students will understand the basics of the internet, web browsers, IP addresses, and e-commerce, particularly focusing on Indian digital initiatives and digital payment modes.
- **Units Covered:** UNIT-V

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7. Practical Skills

- **Outcome:** Students will gain hands-on experience with basic computer structures, software applications, and internet usage.
- **Practical Covered:** Basics of Computer structure; Software, Uses of Internet

Semester II: PC Software Packages

1. Understanding DOS

- **Outcome:** Students will be able to explain the history, versions, and basics of DOS, including the physical structure of disks, file and directory structures, and internal and external commands.
- **Units Covered:** UNIT-I

2. Word Processing Skills

- **Outcome:** Students will be proficient in creating, saving, opening, and editing documents in MS Word, utilizing its advanced features like Mail Merge, handling graphics, and converting documents to various formats.
- **Units Covered:** UNIT-II

3. Working with Worksheets

- **Outcome:** Students will be able to create and manage worksheets, enter data, use toolbars and menus, and work with multiple workbooks in spreadsheet software.
- **Units Covered:** UNIT-III

4. Formulas, Cell Referencing, and Macros

- **Outcome:** Students will be skilled in using formulas, cell referencing, formatting worksheets, and creating and using macros in spreadsheet software.
- **Units Covered:** UNIT-IV

5. Creating Presentations and Basic Database Management

- **Outcome:** Students will be able to create slide shows with animations using PowerPoint and understand basic database management using tools like MS Access and web editing tools.

- **Units Covered:** UNIT-V

6. Practical Skills

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- **Outcome:** Students will gain practical experience in using PC software packages, including DOS, word processing, spreadsheets, and presentation software.
- **Practical Covered:** PC Software Packages

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Part II: Optional Paper

Paper I: Database Management System

1. Categorization of DBMS Systems

- **Outcome:** Students will be able to classify different types of DBMS systems such as network, hierarchical, and relational databases, and understand their applications.
- **Units Covered:** UNIT-I

2. Relational Database Management Systems

- **Outcome:** Students will comprehend the importance and usage of relational database management systems (RDBMS) including data description language, data manipulation language, and data control language.
- **Units Covered:** UNIT-I

3. Working with MS Access

- **Outcome:** Students will gain practical skills in working with MS Access and understand security considerations and performance improvements in database management.
- **Units Covered:** UNIT-II

4. Advanced Concepts in Relational Databases

- **Outcome:** Students will understand advanced concepts of relational databases and gain introductory knowledge about ORACLE or similar RDBMS in a multi-user environment.
- **Units Covered:** UNIT-III

5. Relational Algebra and SQL

- **Outcome:** Students will learn relational algebra, structured query language (SQL), form design, report generation, and how to access RDBMS using programming languages.
- **Units Covered:** UNIT-IV

6. System and User Management

- **Outcome:** Students will understand system management, user management, and security considerations in database management systems.
- **Units Covered:** UNIT-V

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Paper II: Web Technology

1. Internet Basics and TCP/IP Services

- **Outcome:** Students will understand the basics of the internet, domain concepts, IP addressing, resolving domain names, and an overview of TCP/IP and its services.
- **Units Covered:** UNIT-I

2. HTML and Web Page Design

- **Outcome:** Students will be proficient in designing web pages using HTML, including essential and deprecated tags, text styles, arrangements, and attributes.
- **Units Covered:** UNIT-II

3. Hypertext, Hyperlinks, and Multimedia

- **Outcome:** Students will understand the concepts of hypertext, hyperlinks, hypermedia, navigation, and creating tables, frames, forms, and style sheets.
- **Units Covered:** UNIT-III

4. Dynamic HTML and CSS

- **Outcome:** Students will learn about dynamic HTML (DHTML), document object model (DOM), cascading style sheets positioning (CSSP), and JavaScript-assisted style sheets (JSSS).
- **Units Covered:** UNIT-IV

5. Web Design Tools and Front Page Basics

- **Outcome:** Students will be skilled in using web design tools, understanding web terminologies, planning and building websites, and using FTP, HTTP, and WAP.
- **Units Covered:** UNIT-V

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Part III: Optional Paper

Paper I: Computer Graphics and Computer Aided Drafting

1. Importance and Types of Graphics Programs

- **Outcome:** Students will understand the importance of graphics, various types of graphics programs, and drafting and DTP packages like Microsoft Windows and Word.
- **Units Covered:** UNIT-I

2. Document Preparation using DTP Packages

- **Outcome:** Students will be able to prepare documents using DTP packages such as PageMaker or Ventura, and understand formatting, printing, and using various fonts and printers.
- **Units Covered:** UNIT-II

3. Commercial DTP Systems and Indian Language Fonts

- **Outcome:** Students will learn about commercial DTP systems, the creation of Indian language fonts, and their applications.
- **Units Covered:** UNIT-III

4. Microsoft Windows and Document Publishing

- **Outcome:** Students will gain skills in using Microsoft Windows, creating groups and program items, tuning Windows, and preparing documents for publication using DTP systems.
- **Units Covered:** UNIT-IV

5. Introduction to AutoCAD and Advanced Features

- **Outcome:** Students will understand the basics of AutoCAD, Auto Sketch, and Auto Solid, including drawing plans for buildings and analyzing features of these packages.
- **Units Covered:** UNIT-V

Paper II: Entrepreneurship Development Course, Project Report & Job Training

1. Entrepreneurship Characteristics and Market Survey

- **Outcome:** Students will understand the need, scope, and characteristics of entrepreneurship, and learn techniques for market surveys and identification of opportunities.
- **Units Covered:** UNIT-I

2. Project Formulation and Financial Planning

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- **Outcome:** Students will be able to formulate projects, understand principles of product selection, structure project reports, choose technology and equipment, and comprehend financial procedures and incentives.
- **Units Covered:** UNIT-II

3. Resource Management and Project Planning Tools

- **Outcome:** Students will learn about resource management, critical path methods (CPM), project evaluation review techniques (PERT), creativity, problem-solving approaches, and SWOT analysis.
- **Units Covered:** UNIT-III

4. Marketing, Sales Management, and Quality Control

- **Outcome:** Students will understand elements of marketing and sales management, product and market strategies, quality control, and remedial measures for small-scale industries.
- **Units Covered:** UNIT-IV

5. Legal, Social, and Financial Aspects of Business

- **Outcome:** Students will learn to manage uncertainties, stress, and understand licensing, municipal laws, social responsibility, business ethics, and essential provisions of relevant business laws.
- **Units Covered:** UNIT-V

Practical Outcomes

- **Database Management System and Web Technology**
 - **Outcome:** Students will apply theoretical knowledge in practical scenarios involving database management systems and web technology.
- **Computer Graphics, Drafting, and Entrepreneurship**
 - **Outcome:** Students will develop practical skills in computer graphics, drafting, and undertake entrepreneurial activities such as market surveys, project report analysis, and management exercises.

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Course Outcomes of Sociology

Programme	Unit / Chapter	Learning Outcome
BA/BA B ED - I (Sociology) Paper I - Principles of Sociology	Unit - I	<ol style="list-style-type: none">1. Student will be able to define meaning of Sociology, develop good understanding about nature, scope and subject-matter of Sociology.2. Able to understand sociological perspective.3. Identify and apply sociological concepts and theories to understand social phenomena.4. Able to tell how Sociology differ and similar to other social sciences and their areas of interdependence including sociology relationship with other social sciences.5. Able to develop scientific & humanistic approach to sociological study.
	Unit - II	<ol style="list-style-type: none">1. Acquaint themselves with the basic concept of Sociology like Society, Community, Association, Institution, Social structure, Status & Role, its types, their structure & components, co-relation between them and major characteristics.2. Student will be able to define and explain main characteristics of Social Institutions.3. Explain Social groups, its various types and characteristics.4. Able to know the concept of basic social institutions like Family, Kinship, Religion, Education & their importance in society.5. Able to discuss concepts relevant for understanding kinship, marriage and family.6. Able to analyze the coexistence of multiple perspectives in the study of Family, Marriage and Kinship.
	Unit - III	<ol style="list-style-type: none">1. Able to understand relationship between individual and society, Types of societies and their characteristics.2. Able to communicate meaning of culture, its components and importance.3. Able to develop better understanding about process of socialization, its meaning, objective, importance and related some major theories.4. Able to verify concept of social norms, value, sanctions and their benefits.5. Able to define and explain meaning of social stratification in society, its causes and bases, related some important theories.6. Able to know social mobility meaning, forms & bases, importance in society.
	Unit - IV	<ol style="list-style-type: none">1. Able to Explain the meaning of Social Change.2. Able to analyze the process of Social Change.


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		<ol style="list-style-type: none"> 3. Able to Describe the forms of Social Changes. 4. Able to evaluate Linear, Cyclical, evolutionary theories of Social Change. 5. Characteristics of Evolution, Revolution, Progress and Development. 6. Various factors responsible to Social Change. 7. some major theories of social change
	Unit - V	<ol style="list-style-type: none"> 1. able to use sociological knowledge and use of sociology in their social life. 2. Able to represent applied sociology and its utilization. 3. Able to inform Role and importance of sociology to understand social problems and their elimination. 4. Able to communicate Role and importance of sociology in social change. 5. Able to discuss Role and importance of sociology in making social policy and social action to its implementation.
BA/BA B ED - I Paper II - Indian Society	Unit - I	<ol style="list-style-type: none"> 1. Students will be able to recognize cultural & ethnic diversity of the society and culture of India in the context of Language, Caste, and Religious beliefs. 2. Able to know Religious, Ethno, Caste, Linguistic, Tribal and Racial diversity etc. 3. Able to present a comprehensive, integrated and empirically - based profile of Indian society and culture. 4. Able to Define Socio - Cultural profile of Ethic and Cultural diversity.
	Unit - II	<ol style="list-style-type: none"> 1. Students will be able to learn textual and the field view of Indian society. 2. Able to be familiar with concepts of Varna system, Ashrama system, Purusharth, Dharma and Karma, their theories, characteristics and sociological importance in society.
	Unit - III	<ol style="list-style-type: none"> 1. Able to Understand the caste system, its characteristics and theories of origin of caste system. 2. Able to Demonstrate how caste system operates in society and its merits / demerits to society. 3. Able to discuss Factors responsible for change in caste system and recent changes in Caste system. 4. Able to Know properly the meaning of basic social institutions like Family, Marriage, Kinship in a scientific way. 5. 6. Types and categories of Kinship, Patterns of behavior to usages of kinship, role and importance of kinship in social structure. 7. Able to understand meaning and types of family. 8. Merits and demerits of joint family, factors responsible for change in joint family. 9. Able to know concept, types, aims and forms of Marriage, recent changes in Hindu Marriage. 10. Meaning, aims, forms and divorce types of Muslim marriage. 11. They will be able to identify different theories, approaches and concepts that make up the study of religion. 12. enable student Impact of religion on Indian society and about


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		linkages between religion and society at various levels. 13. to think able to differentiate between Caste and class.
	Unit - IV	1. Understanding the Rural community meaning and characteristics. 2. Able to Explain meaning and characteristics of Urban society. 3. Able to Describe town and its characteristics. 4. Understand linkage between Rural - Urban continuum. 5. Tribal problems and constitutional provisions for them. 6. Understand concept of Weaker section, disabilities of Dalits, constitutional provisions for Dalits (SC). 7. Status of women in current scenario, violence against women and provision for remedies. 8. Understand major problems of minorities in various aspects. 9. Able to describe Population explosion, factors responsible for population explosion and remedies to control population.
	Unit - V	1. Able to understand conceptual knowledge of social change and process of Sanskritisation, Westernization and Urbanization, meaning & their characteristics, problems of urbanisation. 2. Able to explain meaning and concept of planned change to transform india and action taken in this direction. 3. Bases and barrier of Nation building and National identity.
BA/BA B ED - II Paper I - Social Thinkers	Unit - I	1. Explain contributions of Emile Durkheim to Sociology. 2. Student will be able to explain social facts, characteristics, rules for the observation of social facts, types of social facts, rule for the explanation of social facts. 3. Division of labour in society, Mechanical and Organic solidarity, its characteristics. Difference between mechanical and organic solidarity, causes and functions of division of labour 4. Meaning, causes and types of Suicide. 5. Origin of religion as Totemism and function of religion.
	Unit - II	1. Contributions of Max Weber to sociology. 2. Meaning and characteristics of Social Action. Criticism of social action. 3. Meaning, characteristics and critiques of Burocracy. 4. Concept and Methodology of Ideal Type. 5. Max Weber views on religion, contribution of protestant ethics in the development of capitalism.
	Unit - III	1. contributions of Karl Marx to sociology. 2. concept, meaning and characteristics of class. 3. Class in various socities and theory of class struggle, criticism of class struggle. 4. Concept of surplus value and its criticism. 5. Concept of Marxian dialectic materialism and its criticism. 6. Meaning and Concept of alienation in industry, its characteristics, causes and consequences, role of alienation in class struggle.
	Unit - IV	1. contributions of Radhakamal Mukherjee to Indian sociology. 2. Concept, meaning, characteristics, importance and classification of social value. 3. Concept, meaning and components of Social Ecology. 4. Theory of social science.
	Unit - V	1. Explain the contributions of G.S Ghurey to Indian sociology.


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		<ol style="list-style-type: none"> 2. Caste, class and occupation related thoughts of GS Ghuriye, characteristics of caste, factors responsible for change in caste system, recent trends in caste system. 3. Meaning and types of social tension, causes of social tension in india, measures to reduce social tension.
BA/BA B ED – II Paper II - Social Anthropology	Unit - I	<ol style="list-style-type: none"> 1. meaning, nature and scope of social Anthropology. 2. Approaches to the study of social Anthropology : Structural-Functional, Evolutionary and Comparative 3. concept of Tribe, characteristics of Tribal Society, tribe and caste. 4. Develop an understanding about classification of tribal people.
	Unit - II	<ol style="list-style-type: none"> 1. Prohibitions and preference regarding marriage in tribal society, Forms of tribal marriage, methods of mate selection in tribal society. 2. Origin of family and types of family in tribal societies. 3. Meaning, types and categories of kinship, pattern of behavior to usage of kinship.
	Unit - III	<ol style="list-style-type: none"> 1. Anthropological meaning and characteristics of culture, relation between culture, personality and society, components of culture, major theories of culture growth. 2. Meaning and characteristics of religion, theories of origin of religion, its criticism. 3. Meaning and types of magic, similarity and differentiation between religion and magic.
	Unit - IV	<ol style="list-style-type: none"> 1. Understand characteristics and classification of tribal economy, economic mechanism in primitive society. Economic organization of Indian tribes. 2. Characteristics of primitive political system. 3. Characteristics of primitive Law, customs and social control, justice process in tribal society. 4. Types of govt. in tribal society.
	Unit - V	<ol style="list-style-type: none"> 1. Major problems of tribes – Poverty, Indebtness, Land Alienation, Agricultural issues and Exploitation, its causes, effects and suggestion to remove these problems.
BA/BA B ED – III Paper I - Survey Methods of Social Investigation	Unit - I	<ol style="list-style-type: none"> 1. Able to understand Relationship and debate between Natural Sciences and Social Sciences. 2. Able to learn Meaning, Nature, Characteristics, Objective, importance and problems or limitations of social research and social survey. 3. Able to know about Types of social research and Differentiation between kinds of research. 4. Able to describe Meaning, steps and importance of scientific method, use of scientific method in social research and social survey.
	Unit - II	<ol style="list-style-type: none"> 1. Able to know Meaning, need and importance of objectivity in social research and social survey, difficulties in achieving objectivity in social research, means and methods for achieving objectivity in social research. 2. Meaning and definition of hypothesis, qualities of a good hypothesis, types of hypothesis, sources of formulation of hypothesis, importance and limitations of hypothesis.

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		3. Meaning of primary and secondary data. Sources and limitations of primary and secondary data, merits and demerits of primary and secondary data.
	Unit - III	<ol style="list-style-type: none"> 1. Meaning, characteristics and types of observation. 2. Meaning, characteristics, merits and demerits of participant, non participant and quasi participant observation, Importance of observation. 3. Meaning, characteristics, types and guide of interview. 4. Able to understand Meaning, objective, types, characteristics, merits and demerits of questionnaire. 5. Able to interpret Meaning, characteristics, objectives, types, merits and demerits of schedule. 6. Able to explain Meaning, characteristics, types, procedure, limitations, merits and demerits of case study method.
	Unit - IV	<ol style="list-style-type: none"> 1. Able to discuss Meaning, definition, essential characteristics, procedure, merits and demerits of sampling method. 2. Able to use Various types of sampling method, their characteristics and techniques, merits and demerits. 3. Able to understand Meaning, definition, characteristics, objectives, steps, and uses of content analysis.
	Unit - V	<ol style="list-style-type: none"> 1. Able to analyze Meaning and characteristics of codification and tabulation of data, objectives, structure, merits and demerits of tabulation. 2. Able to interpret Bivariate and multivariate Tabular presentation of data. 3. Able to define and calculate Meaning, characteristics, objectives and limitations of Statistical averages like - Mean, Median and Mode.
BA/BA B ED – III Paper II – Social Problems in Contemporary India	Unit - I	<ol style="list-style-type: none"> 1. Able to discuss Meaning and concept of social problem, major social problems in india. 2. Able to understand Meaning, definition and characteristics of deviance and social disorganization. 3. Able to define Various theoretical concept related to social problems. 4. Student will demonstrate knowledge of how to use theory to conceptualize a sociological problem.
	Unit - II	<ol style="list-style-type: none"> 1. Able to estimate Major rural problems including like indebtedness, unemployment, poverty, population, alcoholism and untouchability, their causes, effect and remedies. 2. Problems and types of Gender Inequality. 3. Able to define and explain Meaning of communalism, factor responsible for communalism, communalism as a barrier in National Integration and suggestion to eradicate communalism. 4. Able to estimate Major problem of minorities. 5. Able to understand Disabilities of scheduled caste, effect and eradication of untouchability, provisions to welfare of scheduled caste, The Untouchability Act 1955. 6. Able to know Major problems of scheduled tribes and provisions to welfare of scheduled tribes.
	Unit - III	<ol style="list-style-type: none"> 1. Able to Discuss about Dowry and divorce.


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		<ol style="list-style-type: none"> 2. Able to understand Causes and demerits of Child marriage. 3. Able to estimate Problems of elderly. 4. Able to describe Meaning, causes, impact and prevention of AIDS. 5. Able to explain problems and causes of Youth unrest.
	Unit - IV	<ol style="list-style-type: none"> 1. Students will be able to define and explain Concept, classification and factors of crime, classification of criminals, theories of causation of crime. 2. Able to analyze and interpret Concept and meaning of juvenile delinquency, difference between crime and juvenile delinquency, causes of juvenile delinquency and prevention of juvenile delinquency. 3. Able to understand Meaning, causes, types and effects of corruption. 4. Able to explain Meaning of drug addiction, theories of drug abuse, evil effects of drug abuse. 5. Able to assess Meaning of Casteism, factors responsible for casteism, Evil effects of casteism and suggestion to eradicate casteism. 6. Able to define Problem of Terrorism and provision in india to control terrorism.
	Unit - V	<ol style="list-style-type: none"> 1. Able to describe Concept, measurement, cause and evil effect of poverty. Efforts by govt. to eradicate poverty. 2. Able to Explain meaning, types, causes and evil effects of unemployment, suggestions to remove employment. 3. Demonstrate the ability to understand Concept, causes and evil effects of illiteracy, measures to remove illiteracy. 4. Able to communicate about Meaning of environment and ecosystem, classification of environment and ecosystem. 5. Able to develop analytical thinking about Water, Air, Sound, Radioactive and Soil pollution, their effect on society and prevention of pollution problem. 6. Able to understand Meaning and characteristics of slums and efforts made to solve problems of slums. 7. Able to describe Meaning of displacement, development induced displacement and suggestion to remove displacement problem.


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Veena Memorial P.G. College

Veena Campus, Veena Marg, Karauli (Raj.)


Department of Mathematics

Objectives and Learning Outcomes of B. Sc./B. Sc. B. Ed. Mathematics

When the students will complete the three years B.Sc. Degree Course successfully in Mathematics, they will be able to:

- ❖ Gain basic practical skills and technical knowledge's in various fields such as differential equations, Geometry, vector calculus, differential calculus, integral calculus, Real analysis, Dynamics, Statics, Linear algebra and complex analysis, Numerical methods in various application fields, operational research, Education, Planning, Accounts, Finance, Economics, Statistics, computing and in all science and technology.
- ❖ They will know about the facts of mathematics and would be able to transform the knowledge to others.
- ❖ Our teaching methodology is in such way that the students would not feel the mathematics only in paper-pen mode but in real life experiments also.
- ❖ The foundation of students in various branches of Mathematics will be strong to formulate real life problems into mathematical models.
- ❖ Improve a positive attitude towards Mathematics as an interesting and valuable subject of study.
- ❖ They would try to understand scientific context using perfect technology and new findings.
- ❖ Improve logical thinking and expertise required in various techniques for proving or disproving the facts after mathematical formulation.
- ❖ Improve and enhance student's overall activity and to equip them with mathematical modeling abilities, problems solving skills, creative talents and power of communication etc., which are necessary for various kinds of employment.
- ❖ Create awareness to become an enlightened citizen with commitment to deliver one's responsibility within the scope of bestowed rights and privileges.
- ❖ Attain a relational understanding of mathematical concepts and concerned structures and follow the patterns involved, mathematical reasoning.


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प्राचार्य
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करौली (राज.)

Department of Mathematics						
Class	Subject	Semester	CourseCode	Course Title	Marks	
B.Sc./ B.Sc. B. Ed.	Mathematics	First		Mathematics	200 & 203	

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

- ❖ The students will be able to learn divisibility of numbers, HCF, LCM congruence relations, diophantine equations, Chinese remainder theorem etc.
- ❖ They would know to form the algebraic structures, binary operations, and various types of groups and their properties.
- ❖ Cyclic group, generator of cyclic group, order of cyclic group and its element and their properties.
- ❖ Euler- phi function and its application in determination of order of an element, subgroup.
- ❖ Introduction to Permutation group and its various types, Order of permutations, cyclic representation of permutation, transpositions, inverse permutation, sign and signature of a permutation, Alternating group.
- ❖ Complex of a group, Subgroup test: single test and double test. Properties of subgroups.
- ❖ Cosets and its properties.
- ❖ Lagrange's theorem and its applications.
- ❖ Index of a group, Normalizer of a group and Centre, centralizer of a group.
- ❖ Euler's theorem.
- ❖ Normal group and its properties, Quotient group and its properties.
- ❖ Various types of homomorphism between groups like: automorphism, monomorphism, endomorphism, isomorphism and their properties. Kernel of a homomorphism.
- ❖ Introduction to the Ring and its properties, types of ring, sub ring and their application.
- ❖ Axioms of Integral domain and Field. Finite and infinite fields and their properties and applications.
- ❖ Introduction to the Ideal and its properties, types of ideal: Maximal, Minimal, Polynomial ring, Unit factorization domain etc.


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 वीणा मेमोरियल पी.जी. कॉलेज
 करौली (गज०)

- ❖ Find curves in polar and Cartesian co-ordinate systems and calculate arc length, area and volume of evolution of a curve.
- ❖ Find the volumes of solids using cross sections.
- ❖ Determine the area and volume by applying the techniques of double and triple integrals. Students will be able to know about various types of ordinary derivatives and partial derivatives of various functions.
- ❖ Partial derivative of higher orders.
- ❖ Homogeneous functions and its order, Euler's theorem for homogeneous functions.
- ❖ Implicit and Composite functions and their derivatives and its applications.
- ❖ Jacobian of a function with several variables and its application.
- ❖ Linear dependency and independence of a function with the use of Jacobian.
- ❖ Jacobian of implicit function.
- ❖ Introduction of Maxima and Minima and its Examination of for function of two/three variables and its use to solve industrial problems related to mathematics.
- ❖ Criteria for a point (a, b) or (a, b, c) to be the stationary point of a function $f(x, y)$ or $f(x, y, z)$.
- ❖ Condition of maxima and minima and examination of maxima and minima of a function of two and three variables.
- ❖ Lagrange's method of undetermined multipliers of a function of several variables.
- ❖ Introduction to Cartesian coordinates of a point and Cartesian equation of curves.
- ❖ Polar coordinates of a point and polar equation of various curves.
- ❖ Relation between polar and Cartesian coordinates of a point and equations of a curve.
- ❖ Pedal equation of curve, tangent, normal, sub tangent, subnormal of a curve.
- ❖ Angle of intersection of two polar curves.
- ❖ Angle between radius vector and tangents.
- ❖ Derivative of length of an arc of a curve.


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 करौली (गज०)

- ❖ Introduction to asymptotes of a curve.
- ❖ Conditions for the existence of the asymptote of a curve and asymptotes of the general algebraic curve. Methods for finding asymptotes.
- ❖ Introduction to the curvature of a curve. Centre, radius, Circle and chord of curvature of various curves. Length of chord of curvature in various forms.
- ❖ Tangential polar equations.
- ❖ Singular points of a curve and its various form.
- ❖ Concavity and convexity of curves with respect to a line and their various tests.
- ❖ Point of inflexion and point of undulation.
- ❖ Necessary condition for the existence of double points and Kinds of double points: Node, cusp.
- ❖ Kind of cusps: single, double cusps and nature of cusp.
- ❖ Envelope and Evolutes of a curve and its application.
- ❖ Tangent at the origin.
- ❖ To trace various types of graphs/curves by use of fundamental concept of differential calculus.
- ❖ Introduction to quadrature and its determination for various curves and their applications.
- ❖ Introduction to rectification and its determination for various curves and intrinsic equation of a curve.
- ❖ Determination of length of arc of an evolute.
- ❖ Introduction of volume and surface of solid revolutions and their determination for Cartesian, polar curves.
- ❖ Surface area of solid of revolutions.
- ❖ Beta and gamma functions and their properties and relation between them.
- ❖ Recurrence formula for gamma function and its applications.
- ❖ Derivation of gamma formula and its applications.
- ❖ Legendre's duplication formula and its applications
- ❖ Differentiation and Integration under the sign of integration and its application in determination of special types of integrations.
- ❖ Introduction to double integration of various types of functions.

- ❖ Evaluation of double integral in Cartesian and polar coordinates and its properties.
- ❖ Evaluation of various double integral by changing the order of integration and change of variables.
- ❖ Triple integral and its evaluation, volume as triple integral.
- ❖ Determination of volume by triple integration.
- ❖ Dirichlet's integral and its Liouville's extension for double and triple integrals.
- ❖ Basic idea of a vector and its various types of representations.
- ❖ Different types of operations in vector calculus.
- ❖ Multiplication of a vector with a scalar quantity (scalar product).
- ❖ Multiplication of two or three vectors like : Dot product , cross product, vector triple product, scalar triple product.
- ❖ Differentiation of vector point function and its application.
- ❖ Introduction to vector integration and its application.
- ❖ Determination of Gradient of scalar point function and its application.
- ❖ Determination of Divergence and Curl of vector point function and its application.
- ❖ Several vector identities and their applications in vector calculus.
- ❖ Evaluation of various types of vector integrals like: Line, Surface and Volume integral.
- ❖ Find integrals by using Green's Theorem, Stokes' Theorem and Gauss's Theorem.
- ❖ Evaluation of line, surface, volume integral by the use of Gauss theorem, Green theorem and Stoke's theorem.
- ❖ Introduction to the two dimensional curves like Parabola, Ellipse, Hyperbola.
- ❖ Parabola and establishment of its standard equation, Tangent, chord, normal of a parabola and their properties. Equation of two tangents from a point from a parabola. Chord of contact of a parabola. Chord with a given middle point of a parabola. Diameter and three normal from a point on a parabola.
- ❖ Ellipse and its standard forms. Derivation of standard equation of ellipse. Auxiliary circle .Eccentric angle of ellipse. Equation of tangents, normal. Equation of two tangents from a point of the ellipse. Equation of chord of

contact of ellipse. Coordinates of Pole and equation of polar, chord of ellipse whose middle point is given for ellipse. Equation of diameter, conjugate diameter and four normal from a point of the ellipse.

- ❖ Introduction to hyperbola and its standard equation. Asymptotes, Equation referred to asymptotes as axes. Conjugate diameter of hyperbola. Equation of rectangular hyperbola. Polar equation of directrix, tangent, normal, polar and asymptotes of hyperbola.
- ❖ Introduction to the three dimensional geometry.
- ❖ Sphere: Equation of sphere in various forms, Plane section of sphere. Sphere passing through the circle of intersection of two spheres. Power of a point with respect to sphere. Conditions of a plane to be tangent plane of a sphere. Polar plane, polar line of a sphere. Angle of intersection of two spheres and its application. Length of a tangent of sphere. Radical plane and radical axes. Coaxial system of spheres and their limiting points.
- ❖ Introduction to cone, Homogeneous equation in x, y, z cone with a given vertex and given base. Enveloping cone. Condition for the general equation to represent a cone. Equation of tangent plane, Reciprocal cone. Angle between two lines of a cone in which a plane cuts the cone. Three mutually perpendicular generators of a cone. Right circular cone.
- ❖ Introduction to the cylinder and its various forms,
- ❖ Central conicoids like: paraboloid, ellipsoid and hyperboloid with one sheet and two sheets. Standard equation of these conicoids. Tangent plane, Condition of tangency of a plane. Director sphere. Polar plane and polar lines. Enveloping cone and enveloping cylinder of central conicoid. General equation of ellipsoid. Normal of ellipsoid. Six normal from a point of the ellipsoid. Cone through normal, conjugate diameter.


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करौली (गज.)

Department of Mathematics					
Class	Subject	year	Course Code	Course Title	Marks
B.Sc./ B.Sc. B. Ed.	Mathematics	First		Mathematics Practical	25 & 22

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

1. To form construction table of given Algebraic structure and prove it group.
2. To test whether the given structure is a group or not.
3. Form graph of polynomials of four or more degree.
4. simplification of logical circuits using Boolean algebra
5. Formation of truth table of Boolean functions.
6. Curve tracing of plane curves including polar curves.
7. Application of fundamental theorem on morphism of groups.
8. Find roots of algebraic equation by graphical method.

Department of Mathematics					
Class	Subject	year	CourseCode	Course Title	Marks
B.Sc./ B.Sc. B. Ed.	Mathematics	Second		Mathematics	200 & 203


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- ❖ After completion of these courses, students will be able to:
- ❖ Understand basic properties of real numbers and its subsets,
- ❖ They would use the general concepts of real number system in various types of mathematical problems.
- ❖ They will get perfection in partitioning the intervals on real number line.
- ❖ They perform to examine the limits, continuity and differentiability of various types of one variable and double variable functions on domain in \mathbb{R} .
- ❖ Application of intermediate/ Ruche's, Lagrange's mean value theorems etc.
- ❖ Application of Riemann integral and Liouville's integral.
- ❖ Use of convergence theory and checking the convergence of various types of real sequences and series by important tests like: Weierstrass's M test, Cauchy Riemann test, Able's test, D' Alembert test, logarithmic test, gauss test etc.
- ❖ Determination of proper and improper integrals and their convergence.
- ❖ Formation of ordinary differential equations of first and higher order.
- ❖ Identify different types of differential equations and solving them.
- ❖ Solve first order differential equation utilizing the standard technique for separable, exact, linear, homogeneous and Bernoulli's cases.
- ❖ Solution of ordinary differential equations with constant and variable coefficients.
- ❖ Solution of second order ordinary differential equations by change of independent variables where one part of complementary functions is given, removable of first order derivative terms and variation of parameters.
- ❖ Solution of Simultaneous system of differential equations.
- ❖ Solution of exact and total differential equations.
- ❖ Formation of order and degree of partial differential equations of first and higher order.
- ❖ Knowledge of initial and boundary value problems.
- ❖ Develop problem solving skills for solving various types of differential equation.
- ❖ Evaluate the complete solution of non-homogeneous differential equation as a linear combination of the complementary function and a particular solution.


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 करौली (गजग)


- ❖ Application of like, unlike forces, resultant/addition/subtraction of forces.
- ❖ Addition law/triangle law of addition of parallelogram of forces.
- ❖ Lami's theorem and sine rule of equilibrium of forces.
- ❖ Application of $\lambda - \mu$ theorem.
- ❖ Various types of motions of a body like translation, rotation and both.
- ❖ Geometrical interpretation of moments
- ❖ Sufficient knowledge of Moment of forces.
- ❖ Varignon's theorem for determining condition of equilibrium.
- ❖ Reduction of a system of coplanar forces into a force and a couple.
- ❖ Determination of equations of resultant forces.
- ❖ Equilibrium of rigid body under three forces under various geometrical conditions.
- ❖ Necessary conditions of equilibrium of three forces acting on a rigid body.
- ❖ Two m-n theorems and their application.
- ❖ General conditions of equilibrium when more than three forces acting on a rigid body.
- ❖ Friction and its laws under various conditions.
- ❖ Concept of Catenary in various forms and determination of equation of catenary, common catenary.
- ❖ Equation of catenary in Cartesian and intrinsic form.
- ❖ Kinetics and kinematics motion of particle/body. Rectilinear motion, uniform motion, projectile motion.
- ❖ Motion of a particle under uniform forces, inverse square law, simple harmonic motion, oscillatory motion, cycloidal motion, circular motion, impact of rigid body.
- ❖ Various types of velocities and acceleration like tangential, linear, radial, angular.


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 करीली (महाराष्ट्र)


Department of Mathematics					
Class	Subject	year	CourseCode	Course Title	Marks
B.Sc./ B.Sc. B. Ed.	Mathematics	second		Mathematics Practical	25 & 22
<p>Course Learning Outcomes: Upon successful completion of the course, students will be able to:</p> <p>1. Solution of differential equations using picard's method and comparison with exact solution. 2. Solution of differential equations using Euler's method and comparison with exact solution. 3. Formation of the ordinary differential equation. 4. Singular solution of differential equations. 5. Solution of differential equations using variation of parameters method. 6. Solution of partial differential equations using charpit's method. 7. Application of differential equations to solve LCR-circuits and harmonic motions. 8. Find convexity and concavity of the plane curves. 9. Find the singular points and their nature of the plane curves. 10. Formation of partial differential equations.</p>					

Department of Chemistry					
Class	Subject	year	CourseCode	Course Title	Marks
B.Sc./ B.Sc. B. Ed.	Mathematic	Third		Mathematics	200 & 203
<p>Course learning outcomes: Upon successful learning, students will be able to</p> <ul style="list-style-type: none"> ❖ After completion of these courses, students will be able to: ❖ Knowledge of internal and external operations of elements of a set. ❖ Field structure and their axioms. ❖ Vector space axioms. ❖ Difference between scalar and vector elements. ❖ Vector subspace and their theorems. ❖ Fundamental theorem of vector space and their applications. ❖ Linear combination of vector quantities, linear span, basis and dimension of vector space 					


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 करौली (गज०)

- ❖ Theorems on basis like Existence and Extension theorem.
- ❖ Change of basis, theorems on dimension of vector space
- ❖ Rank and nullity of a vector space and their theorems, Sylvester's theorem of rank and nullity
- ❖ Linearly dependent and independent vectors and their properties.
- ❖ Linear transformation between two vector spaces.
- ❖ Rank and nullity of a linear transformations.
- ❖ Matrix representation of linear transformations relative to a basis/ordered basis.
- ❖ Eigen values and Eigen vectors corresponding to the square matrix relative to linear transformation.
- ❖ Cayley-Hamilton's theorem. Inverse of a matrix by Cayley theorem.
- ❖ Special types of matrices like: Hermitian, skew hermitian, symmetric, unitary etc.
- ❖ Properties of eigen values and eigen vectors.
- ❖ Diagonalization of matrices.
- ❖ Introduction to the complex numbers and their representation.
- ❖ The properties of complex numbers like: Modulus, argument.
- ❖ Operations on complex numbers like : addition, subtraction, multiplication, division for non zero complex numbers.
- ❖ Stereographic projection of a complex number and its application.
- ❖ Determination of magnitude, arguments of addition/subtraction/multiplication and division.
- ❖ Point set theory of complex numbers.
- ❖ Some basic definitions like: neighborhood of a complex number, region in complex plane, limit point, closed set, interior point, open sets, exterior points, boundary points, closure of a set, compact set, connected, dense set etc.
- ❖ Heine Borel theorem and its application.
- ❖ Line segments/Curve/smooth curve in complex plane.
- ❖ Jordan curve theorem.
- ❖ Function of complex variables and limit, continuity and derivative of complex functions in various forms.
- ❖ Definition of analytic complex function and to examine analyticity of a given



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 करौली (राजस्थान)

complex function according to Cauchy Riemann conditions/equations.

- ❖ Application of C-R equations.
- ❖ Derivative of complex functions with help of C-R equations.
- ❖ Harmonic function and its properties. Conditions to examine a function to be harmonic.
- ❖ Determination of harmonic conjugate by Milne-Thomson method.
- ❖ Various types of mappings between two complex planes like: translations, rotation, Magnification, inversion.
- ❖ Conformal and isogonal mapping and their application and Cross ratio
- ❖ Bilinear transformation and their properties and application.
- ❖ Some other mappings like zulkowsky's transformation, $w = z^2$, $w = \sin z$ etc.
- ❖ Invariant points and Mobius transformation.
- ❖ Introduction to statistics and its branches.
- ❖ Basic definitions like: data, variate, random variate, distribution, frequency, population and their properties.
- ❖ Measures of central tendency like: Mean, Median, Mode for various types of data and distributions like: continuous, discrete, individual etc.
- ❖ Merits and demerits of measures of central tendency.
- ❖ Quartiles, Deciles, percentiles and their use in mathematics.
- ❖ Measures of dispersion like; deviation, standard deviation, variance and cumulants etc.
- ❖ Moment, Skewness and kurtosis of data. μ , β and γ coefficients related to skewness and kurtosis.
- ❖ Moment generating functions, cumulant generating functions and their properties
- ❖ Relation between m.g.f. and c.g.f.
- ❖ Characteristic function of a distribution.
- ❖ Introduction of probability and combinatorics. Basic definition like: events, sample space, types of events, odds in favor and odds in against of an event. Bays theorem and conditional probability. Expectation of an event and its relation with probability.
- ❖ Covariance coefficient.


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करौली (राज.)

- ❖ Correlation coefficient and its application.
- ❖ Various types of probability distribution functions like: Binomial, Poisson, Normal and their fitting.
- ❖ Introduction to the Linear programming problems and basic definitions like; objective function, subjective to the conditions, Formation of LPP ,
- ❖ Region of solution space of LPP like feasible region, optimal solution.
- ❖ System of linear equations and their solution by graphical method.
- ❖ Convex set as set of points, connected set, line segment, plane, hyper plane.
- ❖ Simplex algorithm , introduction of slack, surplus and artificial variables.
- ❖ Standard form of LPP in various forms.
- ❖ Application of simplex method.
- ❖ Two phase simplex method, big-M method.
- ❖ Duality of LPP and its applications.
- ❖ Assignment and transportation problems.
- ❖ Introduction to various differences and difference operators like: forward, backward, central, average differences and corresponding difference operators and shift operator and formation of difference tables.
- ❖ To establish relation between various operators and their application.
- ❖ Newton-Gregory forward and backward interpolations and their properties.
- ❖ Application of Newton-Gregory interpolations.
- ❖ Divided differences, operators and their relation to the forward and backward difference operators.
- ❖ Establishment of Newton's divided difference formula and their applications.
- ❖ Establishment of Lagrange's interpolation formula for unequal interval of argument and its application.
- ❖ Central differences and interpolation.
- ❖ Inverse interpolation and its application.
- ❖ Numerical differentiation by Newton's forward, backward, central, Newton's divided differences, Lagrange's.
- ❖ Derivation of numerical integration formulae and their applications by various methods: Trapezoidal, Simpson - $1/3^{rd}$, Simpson - $3/8^{th}$, Weddle's, Gauss


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quadrature formula: single point, two points and three points rule.


- ❖ Determination of roots of polynomials, transcendental, algebraic equations by various methods like: Bisection, Newton-Raphson, Regula-Falsi.
- ❖ Introduction to the computer and its parts: Hardware and Software and its generations.
- ❖ Introduction to computer languages like: Basics, Fortran, Cobol, Pascal, C, C++ and their classification: lower level and upper level .
- ❖ Computer variables, functions, keywords like: even, if, when, else, getch, void, main etc.
- ❖ Flowchart, algorithm of a computer program for any mathematical problem.
- ❖ Knowledge of various data types.
- ❖ To write mathematical expressions in C language.
- ❖ Various important concepts like: pointer, array, structures, queues etc.
- ❖ Statements in C programming and their verification.
- ❖ Strings in C programming.
- ❖ Various types of mathematical problems and their programme.

Department of Mathematics

Class	Subject	Semester	Course Code	Course Title	Marks
B.Sc./ B.Sc. B. Ed.	Mathematics	Third		Mathematics practical	25 & 22

Course Learning Outcomes: Upon successful learning, students will be able to

1. To find the sum of HARMONIC SERIES. 2. To solve the quadratic Equation
3. Evaluation of Binomial Coefficients Using do and while loops 4. To print a grouped frequency table using switch case statements. 5. To find minimum cost of operation which consists two components using Break and continue statements. 6. To Calculate the average of numbers. 7. To show a matrix using array. 8. To sort a list and calculate its median using array, If - then - else. 9. To find the Area of curve using trapezoidal rule. 10. To copy one string into another string. 11. Writing a string using % format. 12. To form a grouped frequency table using array and for loop. 13. To calculate the standard deviation of given data using array, If and break statements. 14. to open a file and appending using pointers..


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VEENA MEMORIAL P.G. COLLEGE

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COURSE OUTCOME Zoology

B. Sc./ B. Sc. B. Ed. Part- I Paper- I

Objective and Learning in Zoology the student are able to:

Class/semester	Course code/Title	Learning outcome-At the end of the course the student will be able to
B. Sc. & B.Sc. B.Ed part-I	Z-101 paper I-Animal Diversity Part-I(Protozoa to Annelida)	Unit-I Taxonomy <ul style="list-style-type: none">➤ Discusses about taxonomy.➤ Study of phylum protozoa, porifera, coelenterate, Platyhelminthes and nematode.➤ Study of body organization Metamerism and level of structural organization.
		Unit-II- Protozoa <ul style="list-style-type: none">➤ Discusses about life history of paramecium.➤ Study of locomotion, osmoregulation, nutrition and reproduction in protozoa.➤ Discuss about the control of protozoans with special reference to Entamoeba and plasmodium.
		Unit-III-Porifera Colenterata <ul style="list-style-type: none">➤ Study about sycon and types of canal system.➤ Study about Aurelia, polymorphism in coelenterate and coral reef.➤ Structure organization and affinities of phylum ctenophore. Habit, habitat, structure, function and life history of Obelia & Aurelia.
Unit-4	Platyhelminthes, aschehelminthes	Unit-IV-Platyhelminthes <ul style="list-style-type: none">➤ Study about structural organization and life history of fasciola.➤ Discuss about the parasitic adaptation in helminthes.➤ Study of structure and life history of Dracunculus medinensis.


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		<ul style="list-style-type: none"> ➤ Discuss about the nematode parasites and human disease.
Unit-5	Annelida	<p>Unit-V-Annelida</p> <ul style="list-style-type: none"> ➤ Study about classification and metamerism of annelid. ➤ General account of annelid structural organization. ➤ Physiology and life history of hirudinaria and Pheretima. ➤ Study about trochophore larva.


B. Sc./ B. Sc. B. Ed Part – I Paper – II nd

	Title of the course	Course of outcome
UNIT-1	Mundelein Genetics	The Mundelein Genetics are provided knowledge of crossing over. The knowledge is human being usefully in life and genetic methods. The animal verity correction rolls the Mundelein theory.
UNIT-2	Genetic disorder and Mutation	The provided knowledge of human reproductive system. The animal verity improved is genetics knowledge. This knowledge use animal life.
UNIT-3	Sex determination and Multiple allele	The human sex determination is correction of human verity. The human determination eg.-ptaou syndrome, kclyenfelter syndrome, award syndrome and mar jar corundum etc. the knowledge are multi dieses control are the sex determination.
UNIT-4	Gene structure	Gene structure is the organization of specialized sequence elements within a gene. Genes contain most of the information necessary for living cells to survive and reproduce. In most organisms, genes are made of DNA, where the particular DNA sequence determines the function of the gene.
UNIT-5	Biotechnology and Environmental biotechnology	The Scope for Use. There are three key points for environmental biotechnology inte Rventions, namely in the manufacturing process, waste management or pollution control, as shown in Figure 1.1. Accordingly, the range of businesses.

B. Sc./ B. Sc. B. Ed Part – I Paper – IIIrd

	Title of the course	Course of outcome
UNIT-1	Discovery of cell and cell and organelles	The first time the word cell was used to refer to these tiny units of life was in 1665 by a British scientist named Robert Hooke. Hooke was one of the earliest scientists to study living things under a microscope. The cell discovery provides knowledge of life science.
UNIT-2	Nucleic acid and Mitosis, Meiosis	The nucleic acid compulsory human bodies. Structure of nucleic acid alpha type. Human digestive system protect by nucleic acid. Mitosis are the cell division most function of bodies. Meiosis


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		process is cell structure in human bodies.
UNIT-3	DNA and RNA	DNA most matter of the cell nucleus .RNA start the cell activity and nucleus matter.
UNIT-4	Cell chemistry and Cell metabolism	The cell chemistry provides knowledge of human digestive system. Human digestive system and meta bolism activities.
UNIT-5	Microscopy	Structure and function of compound and electron microscopy.


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VEENA MEMORIAL P.G. COLLEGE

Veena Campus, Veena Marg, Karauli, (Raj.)
VEENA MEMORIAL PG COLLAGE KARAU LI

Outcome Zoology

B. Sc./ B. Sc. B. Ed Part -II

	Title of the course	Title of the course
Course-I	Arthropod to Proto chordata	Phylum-Arthropod is largest phylum in zoology this phylum knowledge provided the sea animal eg.-palaemom. this animal Eternal features, digestive, respiratory, circulatory, excretory, reproductive and nervous system sense organs of prawn. The larval forms of Crustacean. The knowledge provide Apiculture, sericulture, lac culture etc. Pila- The knowledge provided is coelom, general anatomy, digestive respiratory, circulatory, excretory, reproductive etc. Torsion in Gastropod and Pearl culture.
Course-II	ENDOCRINOLOGY AND ETHOLOGY	The endocrinology knowledge provides Exocrine and endocrine glands eg.- Pituitary, thyroid, parathyroid, pancreas. Their hormones role and abnormalities due to hypo secretion and hyper secretion. The Ethnology is knowledge provided is animal behavior. Geneticbasic of animal behavior and evolution of ethnology.
	ANIMAL ECOLOGY AND BIOSTATISTICS	Ecology as a science The knowledge provides is ecosystem and Determination of population density, demography, forest and


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करौली (राज०)

Course-III		desert ecosystem and biomes. The environmental pollution and mean, mode, median, analysis of gene distribution in population.
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करौली (गजठ)

VEENA MEMORIAL P.G. COLLEGE


Veena Campus, Veena Marg, Karauli, (Raj.)

Outcome Zoology

B. Sc./ B. Sc. B. Ed Part -III

	Title of the course	Course of outcome
Course-I	ANIMAL DIVERSITY	Cyclostomatous and Pisces are provided knowledge of fishes. Differences between cartilaginous and bony fishes. Knowledge provides is Amphibian, Reptilian, Aves, Mammalian-I, Mammalia-II and Genetic basis of evolution and speciation.
Course-II	MAMMALIAN PHYSIOLOGY AND IMMUNOLOGY	Mammalian Physiology is knowledge provided the Digestion e.g.-Carbohydrates, lipids, proteins, vitamin etc. Respiration-Aerobic and anaerobic respiration. Transport of O_2 and CO_2 . The structure of human eye, ear, image formation and color vision. EEG, MRI, CT- scan The human diseases AIDS, HIV ELISA Test.
Course-III	BASIS OF EMBRYOLOGY	The Embryology is providing the knowledge of Gemetogenesis, Spermatogenesis and oogenesis. Type of egg, cleavage, blastulation, types of blastula. Salient features of development of frog/toad. Placentation in mammals. The basis of morphology and histology, functions of placenta etc.


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करौली (राज०)

Veena Memorial PG College
Veena Campus, Veena Marg, Karauli, (Raj.)
Department of Chemistry
Objectives and Learning Outcomes of B.Sc. Chemistry

At the completion of B.Sc./ B. Sc. B. Ed. in Chemistry the students are able to:

After completion of degree, students gained the theoretical as well as practical knowledge of handling chemicals. Also they expand the knowledge available opportunities related to chemistry in the government services through public service commission particularly in the field of food safety, health inspector, pharmacist etc. Afford a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective. Achieve the skills required to succeed in graduate school, professional school and the chemical industry like cement industries, agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc. Get exposure of a breadth of experimental techniques using modern instrumentation. Understand the importance of the elements in the periodic table including their physical and chemical nature and role in the daily life. Understand the concept of chemistry to inter relate and interact to the other subject like mathematics, physics, biological science etc. Learn the laboratory skills and safely to transfer and interpret knowledge entirely in the working environment.


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प्रचार्य
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करौली (राज०)

Department of Chemistry

Class	Subject	Semester	Course Code	Course Title	Marks
B.Sc.	Chemistry	First	CH-101,102,103	Inorganic, Organic & physical Chemistry	150

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

1. To understand the all basic facts and concepts of inorganic and organic chemistry students will learn the atomic structure and basic concepts of organic chemistry like hybridisation conjugation field effects aroma city and reactive intermediates.
2. Students will learn the element classification, periodic table and periodic functions.
3. Students will learn the atomic structure through the basic Concept of quantum mechanics.
4. They will understand the chemical bonding through VBT, MOT and hybridization.
5. This organic chemistry part contains preparation and properties of aliphatic hydrocarbons.
6. The second unit of organic chemistry has been designed to give an insight into almost all aspects of stereochemistry and to build a solid platform in this specific field.
7. They will understand synthesis and reaction of alkane, alkene, alkyne, cycloalkane, cycloalkane, alkadienes.
8. Understand the possible modifications of aromatic compounds and alkyl halides, they will learn about different kinds of electrophilic and nucleophilic substitution reactions and their mechanism.


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 करौली (राज.)

Course Learning Outcomes: Upon successful completion of the course, students will be able to:
Know the Characteristics properties of d-block elements, properties of the elements of the first transition series, their binary compounds and complexes illustrating relative stability of their oxidation states, coordination number and geometry.

To learn General characteristics, comparative treatment with their 3d-analogues in respect to ionic radii, oxidation states, magnetic behaviour, spectral properties and stereochemistry

Able to understand Werner's coordination theory and its experimental verification, effective atomic number concept, chelates, nomenclature of coordination compounds, isomerism in coordination compounds, valence bond theory of transition metal complexes.

To learn about Electronic structure, oxidation states, ionic radii and lanthanide contraction, complex formation, occurrence and isolation, lanthanide compounds. General features and chemistry of actinides, chemistry of separation of Np, Pu and Am from U, similarities between the later actinides and later lanthanides.

Impart knowledge to the students about acid base theories, oxidation and reduction concept. Students will know the Physical properties of solvents, type of solvents and their general characteristics, reactions in liquid NH₃ and Liquid SO₂.

The basic concept of ultraviolet (UV) & Infrared (IR) spectroscopy and their uses.
Nomenclature, synthesis and chemical reactions of Alcohols & Phenols understand by students.

To develop concept about Oxygen containing compound like carboxylic acid and its derivatives, epoxide, ether, their nomenclature, name reaction like Hell-Volhard-Zelensky reaction, Ziesel's method etc. and chemical reaction.

Able to understand Nitrogen containing compound alkyl & aryl Amines chemistry.

To learn General characteristics of thermodynamic laws and their uses, concept of electrochemistry, chemical & Phase equilibrium.


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Department of Chemistry					
Class	Subject	year	Course Code	Course Title	Marks
B.Sc.	Chemistry	First	CH-104	Chemistry Laboratory	50

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

- Prepare standard solutions; they will have knowledge about normality equivalent weight of simple and double titrations.
- Knowledge on technique of organic quality details analysis of element detection.
- Knowledge about viscosity and surface tension.
- Knowledge about radical test, their physical properties.

Department of Chemistry					
Class	Subject	year	Course Code	Course Title	Marks
B.Sc.	Chemistry	Second	CH-201,202,203	Inorganic, Organic & Physical Chemistry	150


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Department of Chemistry					
Class	Subject	year	Course Code	Course Title	Marks
B.Sc.	Chemistry	second	CH-204	Chemistry Laboratory	50

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

- Gravimetric analysis Ni & Cu,
- Qualitative Analysis organic compounds and gain knowledge about the method of organic compound preparations.
- Transition temperature, Phase Equilibrium, Thermo chemical analysis of different compound. They will understand pH and thermodynamics factors of solutions.

Department of Chemistry					
Class	Subject	year	Course Code	Course Title	Marks
B.Sc.	Chemistry	Third	CH-301,302,303	Inorganic, Organic & Physical Chemistry	150

Course learning outcomes: Upon successful learning, students will be able to

To understand Classification of acids and bases as hard and soft. Pearson's HSAB concept.


To understand how the electronic structure and colour of metal complexes are explained by crystal field theory
Being able to distinguish between classical and quantum mechanics requires an understanding of quantum chemistry and its application to microscopic entities.

Understand the different regions of spectroscopy, electronic transition through electronic spectroscopy, interpret and apply the basic concepts of spectroscopy.

To know about photo chemistry, laws of photo chemistry, quantum yield and its measurement and understand the difference between thermal and photochemical reactions.

Access the knowledge of oxidation states and preparations of some inorganic compounds.
Understand the structure and properties of important organometallic compounds like methyl lithium, Zeiss salt, ferrocene and metal carbonyls, applications of EAN rule and back bonding in metal carbonyls. Preparation method and applications of Silicones and Phosphazenes.


Learn how metal ions function in biological systems, paying special attention to the functioning of the sodium-potassium pump in organisms, the creation of energy by Mg^{2+} ions, the clotting of blood by Ca^{2+} ions, the stability of protein structures, and the structural role of metal ions (bones).


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-कैती / गज०

Understand the different preparation methods and chemical reactions of Enolates, Carbohydrates, Amino Acids, Peptides, Proteins and Nucleic Acids.
To know about Heterocyclic compounds their synthesis, chemical & Physical properties.
Access the knowledge of types of solutions and their laws.

Department of Chemistry					
Class	Subject	Semester	Course Code	Course Title	Marks
B.Sc.	Chemistry	Third	CH-304	Chemistry Laboratory	50
Course Learning Outcomes: Upon successful learning, students will be able to Synthesis and Analysis of different inorganic compounds Synthesis of different Organic Compounds Conductometric test, Polarimetry test, Molecular Weight Determination, Colorimetry test.					


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करौली (राज०)

VEENA MEMORIAL PG COLLEGE

Veena Campus, Veena Marg, KARALI, (RAJASTHAN)

COURSE OUTCOME OF BA-BED/BSC-BED-I YEAR

INTEGRATED COURSE IN EDUCATION SUBJECT

EDUCATION PAPER-I

CHILDHOOD AND GRWOING UP

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction
6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.
11. Developing guidance point of view in educational, personal and vocational matters.
12. Ability to access the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

Contemporary india and Education

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use

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5. Individualized instruction
6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
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 - c. Preparing teaching aids and ICT.
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Instructional System & Educational Evaluation

The Student can obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
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3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to foster growth and development.
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 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
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करौली (राज०)

B.A.-B.ED/B.SC.-B.ED II YEAR

Integrated Programme

I- Knowledge & Curriculum


The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
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13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

II- Learning and Teaching

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction (IQAC)


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6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
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12. Ability to access the all round development of pupils and to maintain a cumulative record.
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 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

III- Peace Education

The Student can obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
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5. Individualized instruction
6. Dynamic methods in large classes.
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13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.


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B.A.-B.ED/B.SC.-B.ED III YEAR

Integrated Programme

I- Language Across the Curriculum


The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
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8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
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12. Ability to assess the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

II- Guidance and Counseling in School

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction
6. Dynamic methods in large classes.


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7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.
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 - a. Black board work
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14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.


B.A.-B.ED/B.SC.-B.ED IV YEAR

Integrated Programme

I- Creating and Inclusive School

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction
6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.


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8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.
11. Developing guidance point of view in educational, personal and vocational matters.
12. Ability to assess the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

II- Understanding Disciplines and Subject

The Student can obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction
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7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
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9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.
11. Developing guidance point of view in educational, personal and vocational matters.
12. Ability to assess the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

III- Physical Education & Yoga


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 करौली (गज०)

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
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 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

IV- Gender, School and Society

The Student can of obtain the knowledge of personality development in this paper such as:-

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2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
5. Individualized instruction
6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.

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11. Developing guidance point of view in educational, personal and vocational matters.
12. Ability to access the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.

V- Assessment for Learning

The Student can of obtain the knowledge of personality development in this paper such as:-

1. Competence to teach effectively two school subjects at the Elementary & secondary level.
2. Ability to translate objectives of secondary education in terms of specific Programmes and activities in relation to the curriculum.
3. Ability to understand children's needs, motives, growth pattern and the process of learning to stimulate learning and creative thinking to faster growth and development.
4. Ability to use-
 5. Individualized instruction
 6. Dynamic methods in large classes.
7. Ability to examine pupil's progress and effectiveness of their own teaching through the use of proper evaluation techniques.
8. Equipment for diagnosing pupil progress and effectiveness of their own teachings through the use of proper evaluation techniques.
9. Readiness to spot talented and gifted children and capacity to meet their needs.
10. Ability to organize various school programmes, activities for pupil.
11. Developing guidance point of view in educational, personal and vocational matters.
12. Ability to access the all round development of pupils and to maintain a cumulative record.
13. Developing certain practical skill such as:
 - a. Black board work
 - b. Preparing improvised apparatus
 - c. Preparing teaching aids and ICT.
14. Interest and competence in the development of the teaching profession and education. Readiness to participate in activities of professional organizations.


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Course Outcome: Political Science

Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part-I	BPS101:Political Theory	Unit-1: Political Science <ul style="list-style-type: none">❖ Understand Meaning, Nominiculture and Scope❖ Traditional and Contemporary perspective of Political Science❖ Behaviouralism and post Behaviouralism❖ Interdisciplinary approach in Political Science❖ Relation of Political Science with other Social Sciences Unit-2: State <ul style="list-style-type: none">❖ Understand Theories of origin and development❖ Development of State as a welfare State❖ Sovereignty❖ Monistic and Pluralistic theories❖ Political Modernization Unit-3: Concepts <ul style="list-style-type: none">❖ Understand Power❖ Authority❖ Legitimacy❖ Citizenship❖ Rights❖ Liberty❖ Equality and Justice❖ Political Modernization Unit-4: Types of Governance <ul style="list-style-type: none">❖ Understand Democracy and Dictatorship❖ Political parties and Pressure Groups❖ Theories of representation❖ Rule of Law and Constitutionalism Unit-5: Organs of Government and their Function <ul style="list-style-type: none">❖ Understand Legislature❖ Executive❖ Judiciary



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Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part -I	BPS102: Representative Indian Political Thinkers	<p>Unit-1</p> <ul style="list-style-type: none"> ❖ Understand Manu ❖ Kautilaya ❖ Shukra <p>Unit-2</p> <ul style="list-style-type: none"> ❖ Understand Raja Ram Mohan Roy ❖ Swami Dayanand Saraswati ❖ Swami vivekanand <p>Unit-3</p> <ul style="list-style-type: none"> ❖ Understand Gopal Krishna Gokhle ❖ Bal Gangadhar Tilak <p>Unit-4</p> <ul style="list-style-type: none"> ❖ Understand Mohan Das Karam Chand Gandhi ❖ Jawahar Lal Nehru <p>Unit-5</p> <ul style="list-style-type: none"> ❖ Understand Dr. Bhim Rao Ambedkar ❖ M.N.Roy ❖ Jayprakash Narayan

Class/Semeser	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part -II	BPS-201: Selected Political System	<p>Unit-1</p> <ul style="list-style-type: none"> ❖ Understand Salient Feature and nature of British Constitution ❖ King and Crown ❖ Prime Minister and Cabinet ❖ Parliament ❖ Relationship of House of Commons with House of Lords ❖ Office of Speaker ❖ Rule of Law <p>Unit-2</p> <ul style="list-style-type: none"> ❖ Understand Salient Feature of U.S.A.'s Constitution ❖ Election process and Functions ❖ Separation of Powers and Checks and Balances ❖ Federalism: the federal judiciary and judicial Review ❖ Congress its structure and functions ❖ Importance of Senate in U.S. Political system <p>Unit-3</p> <ul style="list-style-type: none"> ❖ Understand Salient feature of Swiss Constitution ❖ Federal Legislature ❖ Federal Government and Direct Democracy <p>Unit-4</p> <ul style="list-style-type: none"> ❖ Understand Salient features of the 1982 Constitution of


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		<p>the People's Republic of China</p> <ul style="list-style-type: none"> ❖ Legislature ❖ Executive ❖ Judiciary ❖ Democratic centralism ❖ Organization and Role of Communist party of China <p>Unit-5</p> <ul style="list-style-type: none"> ❖ Understand Salient Features of Constitution of the fifth Republic of France ❖ Fundamental Rights ❖ French Executive: The President, Prime Ministers and the Council of Ministers ❖ The French Parliament ❖ The judiciary ❖ Party system and Beaucrocracy
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Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part-II	BPS-202: Indian Political System	<p>Unit-1</p> <ul style="list-style-type: none"> ❖ Understand Framing of the Indian Constitution-Major Issues, trends approaches in the Consituent Assembly ❖ Preamble of the Constitution ❖ Nature of the Federal System ❖ Union-State Relationships ❖ Special Status to Certain States and its implications <p>Unit- 2</p> <ul style="list-style-type: none"> ❖ Understand Fundamental Rights and Duties ❖ Directive Principles of State Policy ❖ Methods of Amendment of Constitution ❖ Secularism. <p>Unit- 3</p> <ul style="list-style-type: none"> ❖ Understand Union Executive President ❖ Union Parliament ❖ Supreme Court and Judicial Review ❖ Prime Minister Council of Minister ❖ The Union executing : President Prime Minister and Council of Minister <p>Unit-4</p> <ul style="list-style-type: none"> ❖ Understand President parliamentary system in India ❖ Role of leadership ❖ Governor Coalition Government ❖ Political Parties ❖ Electoral Politics and Election Commission ❖ Electoral reforms <p>Unit-5</p> <ul style="list-style-type: none"> ❖ Understand Major problems to in the path of National


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		<p>Integration in</p> <ul style="list-style-type: none"> ❖ Indian political system ❖ Regionalism ❖ Communalism, castism and Terrorism ❖ Politics of Reservation.
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Class/Semester	Course/Code	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part -III	BPS-301: Representative Western Political Thinkers	<p>Unit 1</p> <ul style="list-style-type: none"> ❖ Plato : His writings, his views on ideal state, individual, justice, education Communism and his contribution. ❖ Aristotle : Writings, his views on state, individual, classification of government, revolution and his contribution. <p>Unit 2</p> <ul style="list-style-type: none"> ❖ Thomas Aquinas : Writings, views on state, religion, laws, individual, society and his contribution. ❖ Machiavelli : Writings, views on individual, state, as child of his own age, religion and his contribution as modern political thinker. <p>Unit 3</p> <ul style="list-style-type: none"> ❖ Hobbes : Writings, views on state, individual, society, social contract, sovereignty and his contribution. ❖ Locke : Writings, views on state, individual, property, society, social contract, constitutional democracy and his contribution. ❖ Rousseau : Writings, views on state, individual, society, general will, social contract and his contribution. <p>Unit 4</p> <ul style="list-style-type: none"> ❖ Bentham : Writings, views on individual, state, government, utilitarianism, theory of pleasure and pains and his contribution. ❖ J.S. Mill (John Stuart Mill) : Writings, his views on state, individual, Liberty, Liberalism and representation and his contribution <p>Unit 5</p> <ul style="list-style-type: none"> ❖ Hegel : Writings, methods, his views on state, individual, society, idealism and his contribution. ❖ Karl Marx : Writings, methods, his views on state, individual, society, historical materialism, class-struggle, surplus value, state ownership, communism and his contribution.


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Class/Semester	Course/Code	Learning outcome: At the end of the course the students will be able to:
B.A./ B. A. B. Ed. Part -III	BPS-302: International Relations Since 1945	<p>Unit-I</p> <ul style="list-style-type: none"> ❖ Understand Nature and perspectives of word order of International Relations ❖ Cold War ❖ De-colonisation ❖ Resurgence of new states in Asia & Africa <p>Unit-II</p> <ul style="list-style-type: none"> ❖ Understand U.N.O.- Organisation , Working, Role & Challenges in post cold war <p>Unit-III</p> <ul style="list-style-type: none"> ❖ Understand Foreign Policies- United States of America ❖ Russia ❖ China <p>Unit- IV</p> <ul style="list-style-type: none"> ❖ Understand Foreign Policy of India ❖ its relation with neighboring countries & with special reference to Non Alignment Moment <p>Unit- V</p> <ul style="list-style-type: none"> ❖ Understand New International Economic Order ❖ North -South Dialogue ❖ SAARC ❖ ASEAN ❖ BRICS ❖ Arab- Israel Conflict ❖ International Terrorism ❖ Global Environmental issues.


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COURSE OUTCOME

SUBJECT: GEOGRAPHY


<u>CLASS/SEMESTER</u>	<u>COURSECODE/TITLE</u>	<u>LEARNING OUTCOME: AT The Course The Students will be able to:</u>
• M.A. (Pre.) Paper-I	Evolution of Geography Thought	<ul style="list-style-type: none">• To develop philosophical and historical aptitude among students in the context of evolution and development of modern geographical ideas, theme, approaches and knowledge.• To understand and analyse the basic theme, ideas and approaches of different philosophies that have contributed in the development of geography as a branch of knowledge.• To develop a critical thinking regarding different schools, paradigm, ideological revolution and new sub branches of geography.• To Critically evaluate the nature of geography as spatial science with changing space and time, recent trends and future of geography.
• M.A. (Pre.) Paper-II	Advanced physical Geography	<ul style="list-style-type: none">• Student will gain the knowledge of physical geography.they will gather knowledge about the fundamental concepts of geography and will have a general understanding about the geomorphologic and geotectonic process and the planet through analysis of development; student can easily correlate the knowledge of physical geography.• Associating land form with structure and process;establishing physical geography relationships.
• M.A. (Pre.) Paper-III	Principal & Theory of Economic Geography	<ul style="list-style-type: none">• Understand the concepts human and economic geography activity,factors affecting location of economic activities.• Assess the significance of Economic geography,the concepts of economic and theories of choice.• Understand the evolution of varied types of economic activities.• Analyze the factors of location of agriculture and industries.• Map and interpret data production of indices,transports network and flows.
• M.A. (Pre.) Paper-iv	Geography of Environment	<ul style="list-style-type: none">• Assoceating land form with structure and process establishing man environment relationships;and exploring the place and role of geography vis-a-sis other social and earth science students can easily correlate the knowledge of physical geography and human geography;they will analyze the problem of invironment rural and urban areas.more over they will be try to find out the possible measures to solve those problems.• Student becomes equipped with the ability to respond to both natural


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		and man-make disasters and acquire management skills.
• M.A. (FINAL) Paper-I	Advanced Grography of India	<ul style="list-style-type: none"> • Study of Indian geography; We have completed a comprehensive study material including major section like physical feature. • In physical feature we study climates, weathers, soils, drainage system, economic geography. • In human geography among other parts..in Indian geography we study comprehensive study of agriculture, mineral, and power resources and its distribution, conservation etc. • Study of population growth, distribution, density of urban, rural increasing of population and its impacts of india and his resources. in case of increasing population we study of problem solution and makes the policy and planning. • Understand the concepts human and economic geography activity, factors affecting location of economic activities. • Assess the significance of Economic geography, the concepts of economic and theories of choice. • Understand the evolution of varied types of economic activities • Map and interpret data production of indices, transports network and flows. Student will gain the knowledge of physical geography, they will gather knowledge about the fundamental concepts of geography and will have a general understanding about the geomorphologic and geotectonic process and the planet through analysis of development;
• M.A. (FINAL) Paper-II	Industrial Geography	<ul style="list-style-type: none"> • Understand the factors responsible for location of an industry. • Differentiate various types of industries and industrial regions and policies of India. • Evaluate the socio, economic and environmental implications of various types of industries.
• M.A. (FINAL) Paper-III	Urban Geography	<ul style="list-style-type: none"> • Learn about basic principles of urban and regional planning. • Know about pioneering thinkers in the field of urban planning. • The students will study about the different theoretical background and structure of the regional planning process
• M.A. (FINAL) Paper-IV	Political Geography	<ul style="list-style-type: none"> • Learn the concept of nation and state and geopolitical theories • Understand the different dimensions of Electoral Geography • Knowledge of politics of displacement


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COURSE OUTCOMES

SUBJECT: BOTANY

S. No.	Course Title	CourseCode	Course Outcomes (Cos)
1	Diversity of Microbes and Cryptogams(Thallophyta)	5133	<ul style="list-style-type: none">• Learn about the classification, characteristics, and ultrastructure of Prokaryotic and Eukaryotic microbes.• Know about organisms and causal factors responsible for plant diseases & methods of studying plant diseases.• Familiarize yourself with some common plant diseases of India. Gain knowledge of the Host-parasite interaction process.• Learn about the structure, pigmentation, food reserves, and methods of reproduction of Algae.• Learn about the structure, pigmentation, food reserves, and methods of reproduction of Fungi.• Know about the Economic importance of algae, Fungi, and lichen.• Studied some plant diseases with special reference to the causative agents, symptoms, and control measures.• The course will increase their understanding of the students about the classification, structure, role, and infectious cycle of microbes and Fungi.• Comprehend the diversity of lower cryptogams (Algae, Fungi, Bacteria, Phytoplasm, and viruses. Collection and study of algae, fungi, and bacteria from different localities, Identification up to generic level.• Recognize the morphology, anatomy, physiology, reproduction, and lifecycle pattern.• Their diversification and familiarity with various ecological niches.• Positive and negative values.

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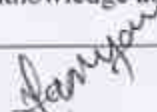
2	Diversity of Cryptogams (Bryophyta, Pteridophyta, and Paleobotany)	5133	<ul style="list-style-type: none"> • Learn about the general characters and classification by K.R. Sporn, stellar evolution in Pteridophytes, heterospory, and origin of seed habit. • Studied the methods of fossilization and fossil plants. • To know about morphological, anatomical, and developmental patterns in the bryophytes and pteridophytes. • To know about the reproductive parts their development and mechanism of reproduction and life cycle pattern. • Thallus and wood anatomy, Mechanical tissues (Collenchyma, Sclerenchyma, Stone cells, and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels). • Economic values of the lower plants.
3	(Cell Biology, Genetics, and Plant Breeding)	5133	<ul style="list-style-type: none"> • Learn the structure, chemistry, and functions of cellular organelles Meristems. • Study the structure and properties of Macromolecules. • Learn about Mendelian principles. • Know about gene mapping methods & Extra chromosomal inheritance. • Familiarize with Evolution & Emergence of evolutionary thoughts. • Gain knowledge of Plant breeding techniques. • After successful completion of this course, students will be able to: • Know about the induction of polyploidy in plants using colchicines, and methods of application of colchicine. • Isolation of biochemical mutants following physical and chemical mutagenic. • Isolation of chlorophyll mutants following physical and chemical mutagenic treatments. • Isolation of morphological mutants following physical and chemical mutagenic treatments. • Karyotype analysis, Meiosis of complex translocation heterozygotes. • Meiotic behavior of monosomy, trisomy in plants and its effect. • Chromosomal behavior in mutagen treated plants. • Chromatin organization, Structural and Numerical alterations in chromosomes.


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4	Practical - 1	5133	<ul style="list-style-type: none"> • Training students to prepare micropreparation and showing the stages of mitosis (Onion root tips) and showing permanent slides/photographs of mitosis and meiosis. • Microscopic observation and identification of algae, fungi, bryophytes, lichens, and pteridophytes. • Observation of crop plants infected by the pathogens included in the syllabus and study of symptoms, causative agents, and etiology. • Demonstration of emasculation experiment.
5	Diversity and Systematics of Seed Plants - Gymnosperms	5233	<ul style="list-style-type: none"> • Know about the structure, life history, and Economic importance of Gymnosperms. • The students develop a basic understanding of important characteristics, anatomy, reproduction, and evolution along with the economic importance of these groups. • To know about morphological, anatomical, and developmental patterns in gymnosperms. • To know about the reproductive parts their development and mechanism of reproduction and life cycle pattern. • Thallus and wood anatomy, Mechanical tissues (Collenchyma, Sclerenchyma, Stone cells, and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels). • Economic values of the gymnosperm plants.
6	Diversity and Systematics of Seed Plants - Angiosperms	5233	<ul style="list-style-type: none"> • Learn the types of classifications- artificial, Natural, and phylogenetic. • Gain knowledge about the Botanical Survey of India (BSI). Briefly studied herbarium techniques. • Learn the taxonomic evidence from molecular, numerical, and chemicals. • Brief studied the economic products with special reference to the Botanical name, family, morphology of useful part and the uses. • The students will know about the systematic position of Genera, Species, and Families. • The students develop knowledge about plant Nomenclature.


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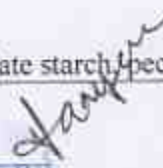
			<ul style="list-style-type: none"> • After successful completion of this course, students will be able to: • Study plant morphology • Description of a plant specimen. • Study of at least 20 locally available families of flowering plants. • Identification of genus and species of locally available wild plants. • Preparation of botanical keys at the generic level by locating key characters. • Knowledge of at least 10 medicinal plant species. • Knowledge of secondary metabolites and their use in taxonomy.
7	Structure Development and Reproduction of Flowering Plants	5233	<ul style="list-style-type: none"> • Learn about double fertilization and its significance. • Know about the Structure and development of dicot and monocot embryos. • Understand the basic knowledge about tissue culture tools, medium, sterilization, and techniques of tissue culture. • Learn about the production of Synthetic seeds & significance. • After successful completion of this course, students will be able to: • Know about plants' anatomical structure, and developmental patterns. • Plant reproductive parts development of male, and female gametophytes and fruits. • Vascular tissues and their constituents by sections and maceration, wood anatomy, TS, TLS, and RLS. • Mechanical tissues (Collenchyma, Sclerenchyma, Stone cells, and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels). • Normal and abnormal secondary growth etc.


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8	Practical - 2	5233	<ul style="list-style-type: none"> • Demonstration of emasculation experiment. • Dissect out the floral parts of plants coming under the families prescribed in the theory syllabus. • A field study of a floristic-rich area is a must for three days only under supervision to observe and collect the plants in their natural habitats. • Submit a minimum of twenty herbarium Plants with a proper field notebook with correct identification for external valuation. • Identify the economic products related to the theory syllabus and write the Botanical name, family, and uses. • Observe the genetic variations among inter and intra-specific plants.
9	Plant Physiology and Biochemistry	5333	<ul style="list-style-type: none"> • Know about the requirement of mineral nutrition for plant growth. • Understand the process of Photosynthesis, Respiration, and Nitrogen metabolism. • Learn about Sensory photobiology. • Know about the Plant Growth hormones (Auxins, Gibberellins, Cytokinins, Ethylene). • Understand the biosynthesis of terpenes, phenols, and nitrogenous compounds. • Learn the properties, Enzyme catalysis, and activation energy- Mechanism of enzyme action. • Students will be able to understand the various physiological life processes in plants. • They will also gain about the various uptake and transport mechanisms in plants and can coordinate the various processes. They understand the role of various hormones, signaling compounds, thermodynamics, and enzyme kinetics. During the course, students will gain knowledge about various mechanisms such as channel or transport proteins involved in nutrient uptake in plants. • After completion of the course, the students are familiar with various physiological aspects involved in plant development. • The role of enzymes in it and the mechanism of photosynthesis, respiration, nitrogen, and lipid metabolism. • The students can isolate starch, pectin, and


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			<p>various nutritive products from the plants.</p> <ul style="list-style-type: none">• Qualitative and quantification of the plant contents and its biochemistry and mode /mechanism of synthesis etc.
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10	Ecology and Phytogeography	5333	<ul style="list-style-type: none"> • Learn the Approaches to the study of Ecology (Autecology, Synecology, and Gynecology). • Understand the population & Community Ecology - the concept of the metapopulation. • They will understand the concept, types, development, and functions of various ecosystems and their communication. • The various environmental factors governing these ecosystems are also clearly understood. • They will understand the factors leading to Environmental degradation, their reasons, and their impact on the Environment. • This knowledge can help to form strategies for conservation and sustainable management under the given legislative measures. • Upon completion of this course, the students can analyze various types of ecosystems, and correlate different ecosystems. • To analyze the threat and suggest conservative measures. • The students are also trained in environmental impact analysis. • Students can analyze, and monitor various physical, chemical, and biological properties of soil water, and air.
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11	Biotechnology and Utilization of Plants	5333	<ul style="list-style-type: none"> • Learn the micro and megasporogenesis. • Know about the morphogenesis and organogenesis in plants. • Learn the specific and non-specific methods of gene transfer. Recombinant DNA technology, Applications of Biotechnology in Plant welfare. • Know about the history and relevance of herbal drugs in the Indian system of medicine. • Learn the macroscopic and microscopic characters, chemical constituents, adulterants, and therapeutical and pharmaceutical uses of medicinal plants. • Understand the techniques for drug evaluation (Chemical, Physical and Biological), Phytochemical investigations, standardization, and quality control of herbal drugs. • Know the technique of medicinal gardening - Cultivation practices, marketing, and utilization of selected medicinal plants. • The students will learn about- • Concepts, tools, and techniques related to in vitro propagation of plants. • Different methods are used for the genetic transformation of plants, the use of Agrobacterium as a vector for plant transformation, and components of a binary vector system. Various case studies related to basic and applied research in plant sciences using transgenic technology. Principles and methods used for phenotypic, genetic, and molecular analysis of transgenic plants. • Know about Equipment required in the Tissue culture Lab. • Media preparation techniques for different plants. • Sterilization techniques for media as well as for explants. • Explant Culture- Anther culture Pollen culture, Micropropagation. Embryo rescue technique. • Somaclonal variation. In vitro mutation. Isolation of plant protoplasts and viability testing. • Protoplast fusion techniques. • Tissue culture of important Horticultural, medicinal plants.
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12	Practical - 3	5333	<ul style="list-style-type: none"> • To learn the Plant tissue culture techniques and preparation of culture medium. • To know about the production of synthetic seeds. • Measurement of pH of a solution. • Estimation of starch in plant tissues. (Colorimetric method). Qualitative test for carbohydrates/protein/lipids. • Ecological field study-Quadrats and Line transect methods of vegetation study. • Determination of Osmotic Pressure – Plasmolytic method. • Measurement of Water Potential – Chardakov's method [Falling drop method]. • Measurement of Water Potential – Gravimetric method. • Determination of Suction Pressure – Weighing method. • Rate of Photosynthesis – Hydrilla Experiment of Willmont's Bubbler using different color filters. • Rate of Photosynthesis using different concentrations of sodium-bicarbonate (Bubble method). • Extraction and separation of Photosynthetic Pigments by Chromatography techniques (any one method).
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Veena Campus, veena Marg, Karauli (Raj.)


Department of Physics

Course Outcomes for B.Sc. Physics Program

B.Sc. / B. Sc. B. Ed. Part- I

Sr. No.	Course Code	Title of the Course	Course Outcomes
1	Course-1	Mechanics	<ul style="list-style-type: none">• Generally, the mechanics is develop thinking of student about motion of a particle in different directions.• This branch is develop, thinking about position of the particle in space, plane and linearly7 motion.• The mechanics is discuss about the frame of refresces, which are indicates position of a solid body system• This branch of physics is inspire of students to know about the behaviour of force, displacement, velocity, acceleration etc. physical quantities.
2	Course-2	Electromagnetism	<ul style="list-style-type: none">• This Branch of physics is develop thinking of student about electric and magnetic properties of the matter.• The electromagnetism branchn of physics is provide knowledge of electricfield, potential, etc. physical quantities.• This branch pf physics is provide knowledge about motion of charge, position of static charge in the matters.• This branch of physics is develop interest in the student to about about behaviour of electrical device like, iron, computer, television and how does it work?
3	Course-3	Optics	<ul style="list-style-type: none">• This branch of physics is inspire of students about light related phenomenon. Such as, reflection of light, refraction of light, intereference of light, photoelectric effect, scattering of light etc.



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			<ul style="list-style-type: none"> • This branch of physics is introduce about properties of light and its dual nature. • Some light phenomenon are occuring in our daily life such as rise the sun, day and night, dispersion of light, rainbow seven colours, totally internal reflection etc. • These phenomenon are develop interest in the student to know about the behaviour of light and its bad and useful effects in our daily life.
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B.Sc. / B. Sc. B. Ed Part- II

Sr. No.	Course Code	Title of the Course	Course Outcomes
1	Course-1	Thermal & Statistical Physics	<ul style="list-style-type: none"> • The Thermal & Statistical Physics is provide knowledge about the behaviour of heat flow in the substanceses and heat transfer from one substance to other substance. The physical quantities deals with this branch as pressure, volume, temperature etc. • In this branch, we are discuss about the transer of heat from one place to other place and during this process we are observe the pressure, temperature, volume of the substance. • This branch of physics is develop intrest in the student about the effect of the temperature on the matter, specific heat, entropy etc. physical quantities.
2	Course-2	Electronics and Solidstate devices	<ul style="list-style-type: none"> • In this Branch of physics, we are study about the electronic behaviour of the matter. • This branch of physics is provide knowledge about the basic component of electronic device as capacitors, resistors, transistors, Logic gates, semiconductors etc. • This branch of physics is develop interest of students in electronic science.


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3	Course-3	Mathematical Physics and Relativity	<ul style="list-style-type: none"> The Mathematical Physics and Relativity physics is increase interest of student mathematical concept in physics as curvilinear co-ordinate system, scale factor orthogonality, expression of gradient, divergence, curl and their applications Cartesian system. This branch of physics is provide mathematical formulas and ideas to solve the physics problem and understan the physics problemes. This branch of physics is introduce to the student about solve the physics problem and understan the physics problemes of curvilinear co-ordinate system and relativity.
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B.Sc. / B. Sc. B. Ed- Part- III


Sr. No.	Course Code	Title of the Course	Course Outcomes
1	Course-1	Solidstate Physics	<ul style="list-style-type: none"> In this branch of physics, we study about the solid elements of matter. we can mix and grind the solid elements two or more each other then they are creats new physical properties of the material. This kind of material is called alloys. Therefore, this branch is introduce to properties of solid state material of matters. The solid state physics is discuss about the properties of solid material such as ductility, hardnesss, smoothness, brittle, conductive, insulator, semiconductor etc. Therefore, the students can reveals new ideas about the material and create new think about the new and nano material This branch is moreuseful for students to know about the solid materials.
2	Course-2	Nuclear Physics	<ul style="list-style-type: none"> The Nuclear physics is provide knowledge pf atom nucleai. Because , a atom have one nucleai and it is contains


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			<p>with newtrons and protons. Therefore, the student can achive the knowledge of atom structure.</p> <ul style="list-style-type: none"> • This branch of physics is introduce about the micro and nano particles as α, β, π^+, μ^+, μ^- etc. • Therefore the students can know about the difference between atom and nuclei in the material.
3	Course-3	Elementry Quantum Mechanics and Spectroscopy Physics	<ul style="list-style-type: none"> • This branch of physics is introduced to dual nature of light. One is particle nature of light and second is wave nature of light. Therefore the student can gain the knowledge of light dual nature and give new ideas to create new think. • The Elementry Quantum Mechanics and Spectroscopy Physics is totally depends on photon theory. Because, a photon is charge less and mass less particle or pacate of energy. It is also knowen as Quanta. Therefore the studentsa can know about the photon theory of the material and its Quanta nature. • This branch of physics is provide knowledge of phton particle, photo electric effect, superconductivity, raman spectra, scattering of light etc. physical phemenon. • Therefore this branch of physics can increase interest of student in the field of photonics science, spectro scopy etc.


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 करीली (राज.)

VEENA MEMORIAL P.G. COLLEGE

VEENA CAMPUS, VEENA MARG, KARALI (RAJASTHAN)

Department of History

1. Knowledge of the various events in history.
2. Students are trained to write unknown authentic historical facts to help the society in terms of progress, growth and possible areas of improvement.
3. Students do understand the importance of copyrights, patents and also awareness about plagiarism issues to learn the ethics in research.
4. Students shall be able to think critically and explore new ideas, interpretations about the Historical Sources.
5. Students shall be able to interact with the people staying near historical places.
6. Students shall be able to understand their responsibilities about higher education and inculcating the values, ethics etc. as a responsible citizen.
7. Students are motivated through the inspiration of Historical personalities.

CLASS	COURSE	TOPIC	OUTCOME
BA/BED-I	<u>ANCIENT INDIA</u>	<ul style="list-style-type: none">• To acquaint the students with different sources of ancient Indian history.• To enable the students to understand the political, socio-economic and cultural developments in the period under study and appreciate the rich cultural heritage in India.• Understand the development in the history of Ancient India from Indus valley civilization to 1000A.D.• Examine the social and Religious developments in ancient India.• Analyse the cultural changes that took place and how the Indians reacted to the fresh challenges.• Place the socio-cultural history of India in proper historical perspective.• Understand the rise and fall of different dynasties in North India, Deccan and South during ancient period.• Examine the concept of classical Age.• Analyse the political annexations of the early Islamic invaders.• Place the role of India in the history of South-east Asia during ancient period.	Students has encouraged to study sources of Ancient Indian History. Knowledge of the reach Indian culture knowledge of the Indian various dynasties. Students has encouraged visiting Ancient Indian Heritage. Students are Eager about Ancient Indian Literature. Knowledge of the history of Southeast Asia during ancient period.
BA/BED-I	<u>WORLD HISTORY</u>	<ul style="list-style-type: none">• Beginning of new era.• Renaissance : Meaning, Causes, Expansion, Development of Literature, Art and Science and	Students got knowledge of beginning of new era and Renaissance , causes development


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प्रिचोय

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करौली (राज.)

		<p>Geographical Discoveries, Importance of Renaissance Reformation : Causes, Early reformer, Role of Martin Luther, Progress of Reformation, Counter Reformation, Results and Impact.</p> <ul style="list-style-type: none"> • American War of Independence (1776) : Causes, Main events, Results and significance. • Agricultural and Industrial Revolution: Causes and consequences, Emergence of new Social Class. • French Revolution (1789) : Causes, Main events and its Impact. • Napoleon Bonaparte : Achievements and causes of downfall. • Age of Conservatism. • Liberalism and Nationalism in Europe : Unification of Italy and Germany. • Eastern question with special reference to Crimean War and Berlin Settlement. • Exploitation of Asia, Africa and Latin American Countries by European Powers. • First World War - Causes, Main events and Results (b) Versailles Settlement • Birth of Socialist Ideas, Causes and consequences of Bolshevik Revolution, Economic and Social reconstruction in Russia. • World Economic Depression, Nazism and Fascism. • Second World War - Causes, Main events and Results • Organisation and achievements of League of Nations and UNO • Cold War and Non-Aligned Movement • Soviet disintegration. 	<p>of literature, art and science Students knowledge about American war events and result. Students knowledge about agricultural and industrial revolution. Students knowledge about French Revolution and Napoleon Bonaparte achievements and causes of downfall. Understand post-war developments of social, Political and Economic scenarios of the world, Decolonization and the emergence of the Third World. Describe the origin of the Cold war and changing world political Scenarios and emerging trends in culture, media and Revolution among the world countries.</p>
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BA/BED-II	<u>HISTORY OF MEDIEVAL INDIA</u>	<ul style="list-style-type: none"> • To acquaint the student with history of Turkish (Muslim) rule that systematically began from 13th century A.D. in india. • The course also tries to highlight on the development of Socio-Economic, administrative and Cultural trends during the period of the Sultan's rule. • To highlight on the development of education and Literature during the period of the Sultan's rule. • Tries to highlight on the development of Socio-Economic, administrative and Cultural trends, education and Literature during the period of the Vijaynagar and Bahamani Kingdoms. • Tracing the History of India till the foundation of the Mughal's rule. • To make the students aware of the History of Mughal rulers since 1526 A.D. • The course also tries to highlight on the development of Socio-Economics, administrative and Cultural trends during the period of the Mughal Rule. • To highlight on the development of education and Literature during the period of the Mughal rule. • To study the rise of Maratha power • To study the Din-I-ilahi and Sikhism as a new religion. 	<p>Student got knowledge of Turkish rule in india students are aware the development of Socio-Economic, administrative and Cultural trends during the period of the Sultan's rule. Students got knowledge about History of South India and Deccan region. Students aware of the History of Mughal rulers. Nationalism develop among the students by studying rise of Maratha power. Students aware about religious tolerance of Mughal period.</p>
BA/BED-II	<u>HISTORY OF RAJASTHAN</u>	<ul style="list-style-type: none"> • An outline of proto-historic culture: Kalibanga, Ahar, Bairath and other new sites. • An outline of Matsya Janapad with special reference to Shivi and Malav Janpadas. • Various theories of origin of Rajputs. • Early Chauhan rulers and Prithvi Raj Chauhan III • Achievements of Maharana Kumbha. • Rise of Marwar under Maldev • Resistance of Rajput rulers against Turks upto 1526 A.D. • The policy of collaboration with Mughals and resistance of Rajput 	<p>The student has got the knowledge of the problem and culture of Rajasthan, the student knows the brave Prithviraj Chauhan , Rana Sanga and Maharana pratap. Students have found about its dwas related to Raja rule and company rule especially Mewar Marwar and kota in 1818 A.D. Students know specifically about</p>


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		<p>states with special reference to Man Singh of Amber, Rai Singh of Bikaner, Rana Sanga and Maharana Pratap of Mewar and Chandrasen and Durgadas of Marwar.</p> <ul style="list-style-type: none"> • Causes and results of Maratha penetration in Rajputana. • Circumstances and consequence of the treaties of 1818 between Rajput rulers and company with special reference to Mewar, Marwar and Kota. • Uprising of 1857-causes and results with special reference to Kota. • Causes of political awakening in Rajasthan. • Peasant movement in Rajasthan with special reference to Bijolia and Barad. • Tribal Movements -contribution of Govind Giri and Motilal Tejawat. • Prajamandal movement in Rajasthan (d) Integration of Rajasthan (1948-1956) • Various Schools of Rajasthani Painting with special reference to Bundi and Kota Fort architecture with special reference to Ranthambore, Gagron and Chittor. (b) Development of Rajasthani Literature with special reference to Charan Literature (c) Bhakti movement in Rajasthan with special reference to Meera, Saint Dadu & Pipa, Sufism in Rajasthan (d) Arya samaj and its effects in Rajasthan. 	<p>the revolt of 1857 in Rajasthan. Students know about the main fortifications of Rajasthan especially with reference to kota. Students know about the main fortifications of Rajasthan, Ranthambore, Gagron and Chittorgarh, as well as will be able to get information about Meera, Sant Dadu, Pipa related to the devotion of Raj.</p> <p>You can get information about Students will be able to get information about Arya Samaj in Rajasthan.</p>
BA/BED-III	<u>HISTORY OF MODERN INDIA</u>	<ul style="list-style-type: none"> • To study the colonial impact on India • To comprehend the socio economic reforms in pre and post independence. • To examine the forces & growth of Nationalism. • To introduce Government of India Act-1935 and Constitutional development in India • To give knowledge about development in communication and transport system. 	<p>Knowledge of Modern Indian History. Knowledge of Freedom Movement in India. Development of Nationalism among the student. Awareness about social reforms among the student.</p>


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		<ul style="list-style-type: none"> To acquaint the student with the principles of foreign policy. 	<p>Student will eligible for government service, can attempt competitive exams. E.g. IBPS, SSC, UPSC, MPSC, Railway recruitment and many others.</p>
BA/BED-III	<u>CONTEMPORARY INDIA (1947-2000 A.D.)</u>	<ul style="list-style-type: none"> Legacy of freedom struggle- Socio-Cultural values of Non- Violence, National integration, Social Equality, Women participation. Problems and process of integration of Princely States into Indian Dominion (1947-1949) and their re-organization in 1956, Problems of displaced persons and rehabilitation Process. Framing of Indian Constitution – Main features and major amendments Agrarian reforms and Bhudan Movement, Planned economy, Industrialization-Policy, Programme and Progress. Mixed economy, Green revolution, Nationalisation of Banks and abolition of Privy Purses, Liberalization. Major Political parties and their role in democracy, From one party dominance to Coalition. Elements of foreign policy: relations with neighbors, Non-Alignment and SAARC. Changing social structure : Challenges and problems- population growth, unemployment, poverty, communalism. Social movements- woman, dalits and other Backward Classes. Role of middle class. Progress and achievements in Science and technology, Changing trends in dance, music painting, Literature and Mass Media. 	<p>Knowledge of legacy of freedom struggle- socio cultural value of non- violence, National integration, women participation. Knowledge of mixed economy , green revolution, Nationalisation of Banks and abolition of Privy Purses, Liberalization. Knowledge population growth , unemployment, poverty communalism. Social movements woman, dalits and other Backward Classes. Role of middle class. Knowledge of Progress and achievements in Science and technology. Changing trends in dance, music painting, Literature and Mass Media.</p>


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VEENA MEMORIAL P.G. COLLEGE,
Veena Campus, Veena Marg, Karauli, Rajasthan

Course Outcome

CLASS/ SEMESTER	COURSE CODE/TITLE	LEARNING OUTCOME: AT The Course The Students will be able to:
• B.A./B.ED.-I year	Physical Geography	<ul style="list-style-type: none"> • Student will gain the knowledge of physical geography. they will gather knowledge about the fundamental concepts of geography and will have a general understanding about the geomorphologic and geotectonic process and the planet through analysis of development; student can easily correlate the knowledge of physical geography. • Associating land form with structure and process; establishing physical geography relationships.
B.A./B.ED.-I	Geography of Environmen t	<ul style="list-style-type: none"> • Associating land form with structure and process establishing man environment relationships; and exploring the place and role of geography vis-a-vis other social and earth science students can easily correlate the knowledge of physical geography and human geography; they will analyze the problem of environment rural and urban areas. more over they will be try to find out the possible measures to solve those problems. • Student becomes equipped with the ability to respond to both natural and man-made disasters and acquire management skills.
B.A./B.ED.-II	Human and Economic Geography	<ul style="list-style-type: none"> • Understand the concepts human and economic geography activity, factors affecting location of economic activities. • Assess the significance of Economic geography, the concepts of economic and theories of choice. • Understand the evolution of varied types of economic activities. • Analyze the factors of location of agriculture and industries. • Map and interpret data production of indices, transports network and flows.
B.A./B.ED.-II	Geography of Rajasthan	<ul style="list-style-type: none"> • Knowledge of characteristics geography of Rajasthan and their various geomorphologic; students will have knowledge of new challenging types of agriculture, desertification and many problems. students learn the new modern technical methods and their application to solve the agricultural, population, drainage system, desertification, irrigation, power and energy, mineral resources, livestock and dairy development; students understand the weather phenomena and their characteristics. student learn Rajasthan problems related and its impact.
B.A./B.ED.-III	World Geography	<ul style="list-style-type: none"> • In reality geography is the study of the earth. including how human activity has changed it geography involves studies that are much broader than simply understanding the shape of the earths, land forms • Study of the world geography focuses on the relationship among people, place and environments that result in geography patterns of the


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		<p>earth.</p> <ul style="list-style-type: none"> • Study and understanding of all continents; prospect of reliefs, rivers, soils spatial distribution of population, agriculture, minerals power resource and industries. • Study of all continents as his production, transportation, and his physical reasons, here is study of some contemporary issues as regional disparity, poverty, globalization, impact of development on environment.
B.A./B.ED.-III	Indian Geography	<ul style="list-style-type: none"> • Study of Indian geography; We have completed a comprehensive study material including major section like physical feature. • In physical feature we study climates, weathers, soils, drainage system, economic geography. • In human geography among other parts..in Indian geography we study comprehensive study of agriculture, mineral, and power resources and its distribution, conservation etc. • Study of population growth, distribution, density of urban, rural increasing of population and its impacts of india and his resources. in case of increasing population we study of problem solution and makes the policy and planning. • Understand the concepts human and economic geography activity, factors affecting location of economic activities. • Assess the significance of Economic geography, the concepts of economic and theories of choice. • Understand the evolution of varied types of economic activities • Map and interpret data production of indices, transports network and flows. Student will gain the knowledge of physical geography. they will gather knowledge about the fundamental concepts of geography and will have a general understanding about the geomorphologic and geotectonic process and the planet through analysis of development;


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B A ENGLISH

B.A./ B A B.ED. 1st Year.

Paper-1st

Course outcomes:

Poems: -

- Learn about Spenserian , shakespearean Sonnet and it's structure.
- Introduced about what is soliloque.
- Poems widen our vocabulary and culture knowledge.

Drama: -

- To learn about many literary terms and devices
- Elements of a drama.

History:-

- Learn about English literature history
- Movements.

Paper- 2nd

Course outcomes:

Essays: -

- Essays widen our vocabulary
- cultural knowledge
- Essays encourage us to connect and find meaning in our experiences.

Stories: -

- Stories help to develop a student's imagination by introducing new ideas into their words.

Novel: -

- Learn about the Structure of a novel.
- Learn about the uses of literary devices.
- Novel improves Reading strength, increase your ability to empathize.

BA/B A B.ED. SECOND YEAR

Paper1st

Course outcomes:

Elegy & odes :-

- Learn about Elegy ode and its type and features
- Introduce about the supernatural elements in poems.

Drama:-

- Learn about problem play and its features.
- Literary terms and devices.

Eng. History:-


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- Understand about pre-Romantic Age
- Romantic age
- Related Movements of the age.

Literary Devices:-

- Learning about Tragedy, Blank verse, Comic relief.

Paper 2nd

Course outcomes:

Essays:-

- Learn about the father of essayist 'Francis Bacon'
- Essay widens our vocabulary knowledge
- Cultural knowledge.

Stories:-

- Learn about stories features,
- Stories improve reader's brain connectivity.

Novel:-

- Novel reading build vocabulary.
- Learn about Thomas Hardy's novel and related features,
- Novels during Hardy's time.

BA/ B A B. ED. THIRD YEAR

Paper 1st

Course outcomes:

Poems:-

- Learn about poem's new pattern dramatic monologue and many other Devices.
- Paradox and antithesis
- Learn about verses free verse blank verse

Literary terms:-


- Learn about problem play, paradox, Anthesis
- Learn about Short story, symbols essay and novel.

Eng. History:-

- Introduced about British English history,
- Victorian age
- 20th century literature,
- New inventions of literary Devices etc.

Drama:-

- Learn about Ibsen and GB shaw's drama style
- Learn about problem plays.
- Learn about modern age drama,
- Absurd literature
- Kitchen sink drama
- Angry young man Movement.


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Paper 2nd

Course outcomes

Essays:-

- Learn about modern essayist,
- Learn about modern features in prose writing.
- Learn about India Writer R K Narayan stories style
- Indian English literature.

Stories:-

- Stories encourage us to connect and find meaning in our experiences.
- Understanding about India prose style Raja Rao.
- Understanding about India prose Manohar Malgaonakar.

Novel:-

- Understand about Indian novel style,
- Read Kushwant Singh novel ' Train to Pakistan', through this learn about the situation and culture of that time in India.
- Understand about those literary Devices
- Modern literature
- Victorian age prose.

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Veena Memorial P.G. College, karauli, Rajasthan

Course Outcome: Hindi

Prepared by: Mr. Tikam chand Jangid

Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A. Part-1	BGH 5101 :Hindi	<p>bdkbZ& 1</p> <p>पद्य भाग :स्नातक स्तर की सामान्य हिंदी के पद्य भाग से छात्रन केवल साहित्यिक ज्ञान और कौशल अर्जित करते हैं, बल्कि वे महत्वपूर्ण जीवन कौशल भी विकसित करते हैं, जैसे कि आलोचनात्मक सोच, संचार, रचनात्मकता, और सांस्कृतिक समझ। यह ज्ञान और कौशल उन्हें जीवन के विभिन्न क्षेत्रों में सफल होने में मदद करते हैं।</p> <p>bdkbZ&2</p> <p>x) Hkkx :स्नातक स्तर की सामान्य हिंदी के गद्य भाग से छात्रन केवल साहित्यिक ज्ञान और कौशल अर्जित करते हैं, बल्कि वे महत्वपूर्ण जीवन कौशल भी विकसित करते हैं, जैसे कि आलोचनात्मक सोच, संचार, रचनात्मकता, और सांस्कृतिक समझ। यह ज्ञान और कौशल उन्हें जीवन के विभिन्न क्षेत्रों में सफल होने में मदद करते हैं।</p> <p>bdkbZ&3,4&5</p> <p>fgUnh O;kdj.k % स्नातक स्तर की सामान्य हिंदी व्याकरण से छात्रन केवल भाषा का ज्ञान और कौशल अर्जित करते हैं, बल्कि वे महत्वपूर्ण जीवन कौशल भी विकसित करते हैं, जैसे कि संचार, विश्लेषण, समालोचनात्मक सोच, और रचनात्मकता। यह ज्ञान और कौशल उन्हें जीवन के विभिन्न क्षेत्रों में सफल होने में मदद करते हैं।</p>

Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A. Part-2	HIN : 201 हिन्दी काव्य	प्रथम प्रश्न पत्र - हिंदी काव्य इकाई 1


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करौली (राज०)

❖ केशवदास : केशवदास हिंदी साहित्य के एक महान कवि थे। उनकी रचनाओं का अध्ययन करने से हमें भाषा, साहित्य, संस्कृति और जीवन के बारे में बहुत कुछ सीखने को मिलता है।

❖ बिहारी का साहित्य बालकों के लिए अत्यंत लाभदायक है। इसके अध्ययन से उन्हें भाषा, साहित्य, संस्कृति और जीवन के बारे में बहुत कुछ सीखने को मिलता है। बच्चों को बिहारी की रचनाओं को पढ़ने के लिए प्रोत्साहित करना चाहिए। यह उनके व्यक्तित्व विकास में सहायक होगा।

इकाई-2

❖ घनानंद का साहित्य बालकों के लिए अत्यंत लाभदायक है। इसके अध्ययन से उन्हें भाषा, साहित्य, संस्कृति और जीवन के बारे में बहुत कुछ सीखने को मिलता है। बच्चों को घनानंद की रचनाओं को पढ़ने के लिए प्रोत्साहित करना चाहिए। यह उनके व्यक्तित्व विकास में सहायक होगा।

❖ भूषण का साहित्य बालकों के लिए अत्यंत प्रेरणादायक और शिक्षाप्रद है। इसके अध्ययन से उन्हें जीवन में वीरता, देशभक्ति, आत्मविश्वास और त्याग का गुण सीखने को मिलता है। बच्चों को भूषण की रचनाओं को पढ़ने के लिए प्रोत्साहित करना चाहिए। यह उनके चरित्र निर्माण और व्यक्तित्व विकास में सहायक होगा।

❖ सूर्यमल्ल मिश्रण का साहित्य बालकों के लिए अत्यंत लाभदायक है। इसके अध्ययन से उन्हें भाषा, साहित्य, संस्कृति और जीवन के बारे में बहुत कुछ सीखने को मिलता है। बच्चों को सूर्यमल्ल मिश्रण की रचनाओं को पढ़ने के लिए प्रोत्साहित करना चाहिए। यह उनके व्यक्तित्व विकास में सहायक होगा।

इकाई-3

❖ उद्धव शतक बालकों के लिए एक अत्यंत लाभदायक और प्रेरणादायक रचना है। इसके अध्ययन से उन्हें भक्ति, प्रेम, नैतिकता, मूल्य और जीवन जीने की कला के बारे में बहुत कुछ सीखने को मिलता है। बच्चों को उद्धव शतक का अध्ययन अवश्य करना चाहिए। यह उनके जीवन को सार्थक और सफल बनाने में सहायक होगा।

इकाई 4

❖ हिंदी साहित्य का रीतिकाल बालकों के लिए अत्यंत लाभदायक और शिक्षाप्रद है। इस काल की रचनाओं का

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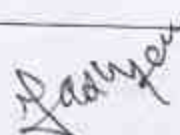
	<p>HIN : 202</p> <p>प्रयोजन मूलक हिन्दी</p>	<p>अध्ययन करके बालकों को भाषा, साहित्य, संस्कृति और जीवन के बारे में बहुत कुछ सीखने को मिलता है। बच्चों को रीतिकालीन रचनाओं को पढ़ने के लिए प्रोत्साहित करना चाहिए। यह उनके व्यक्तित्व विकास और जीवन में सफलता प्राप्त करने में सहायक होगा।</p> <p>इकाई 5</p> <ul style="list-style-type: none"> ❖ काव्य रीति छात्रों के लिए अत्यंत लाभदायक और शिक्षाप्रद है। यह उन्हें भाषा, साहित्य, संस्कृति, नैतिकता और जीवन के बारे में बहुत कुछ सिखाती है। छात्रों को रीतिबद्ध रचनाओं का अध्ययन अवश्य करना चाहिए। यह उनके ज्ञान, कौशल और व्यक्तित्व विकास में सहायक होगा। ❖ काव्य रस छात्रों के लिए अत्यंत लाभदायक और शिक्षाप्रद है। यह उन्हें भावनाओं, सहानुभूति, सौंदर्य, नैतिकता, भाषा और शैली के बारे में बहुत कुछ सिखाता है। छात्रों को काव्य रस का अध्ययन अवश्य करना चाहिए। यह उनके ज्ञान, कौशल और व्यक्तित्व विकास में सहायक होगा। ❖ रीतिकालीन आचार्यों के चिंतन का विद्यार्थियों पर सकारात्मक प्रभाव पड़ता है। यह उन्हें भाषा, साहित्य, संस्कृति, नैतिकता और सौंदर्यबोध के बारे में बहुत कुछ सिखाता है। छात्रों को रीतिकालीन साहित्य का अध्ययन अवश्य करना चाहिए। यह उनके ज्ञान, कौशल और व्यक्तित्व विकास में सहायक होगा। <p>द्वितीय प्रश्न पत्र - प्रयोजन मूलक हिन्दी</p> <p>इकाई - 1</p> <p>प्रयोजन मूलक हिंदी पढ़ने से छात्रों को कई शिक्षाएँ प्राप्त होती हैं, जिनमें से कुछ प्रमुख शिक्षाएँ निम्नलिखित हैं:</p> <p>1. भाषा कौशल में वृद्धि:</p> <ul style="list-style-type: none"> • व्याकरण: प्रयोजन मूलक हिंदी में व्याकरण के नियमों का व्यावहारिक रूप से उपयोग होता है, जिससे छात्रों की व्याकरणिक समझ मजबूत होती है।
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 करौली (राज०)

		<ul style="list-style-type: none"> • शब्दावली: विभिन्न विषयों से संबंधित शब्दावली का ज्ञान बढ़ता है, जो छात्रों को प्रभावी ढंग से लिखने और बोलने में सक्षम बनाता है। • वाक्य रचना: विभिन्न प्रकार के वाक्यों को लिखने और समझने की क्षमता विकसित होती है। • संचार कौशल: लिखित और मौखिक संचार कौशल में सुधार होता है, जिससे छात्रों को अपने विचारों को स्पष्ट और प्रभावी ढंग से व्यक्त करने में मदद मिलती है। <p>2. ज्ञान और समझ में वृद्धि:</p> <ul style="list-style-type: none"> • विभिन्न विषयों: प्रयोजन मूलक हिंदी में विभिन्न विषयों जैसे विज्ञान, इतिहास, साहित्य, कला, और संस्कृति से संबंधित सामग्री शामिल होती है, जो छात्रों के ज्ञान और समझ को बढ़ाती है। • समस्या समाधान: विभिन्न प्रकार के लेखों और रचनाओं को पढ़कर छात्रों में विश्लेषणात्मक और समस्या समाधान कौशल विकसित होता है। • विचारों का विकास: प्रयोजन मूलक हिंदी छात्रों को विभिन्न विषयों पर गहन सोचने और अपनी राय बनाने के लिए प्रोत्साहित करती है। • सृजनात्मकता: कहानियाँ, कविताएँ, और अन्य रचनात्मक लेखन छात्रों की कल्पना और रचनात्मकता को बढ़ावा देते हैं। <p>3. सामाजिक और सांस्कृतिक जागरूकता:</p> <ul style="list-style-type: none"> • भारतीय संस्कृति: प्रयोजन मूलक हिंदी छात्रों को भारतीय संस्कृति, मूल्यों, और परंपराओं से परिचित कराती है। • सामाजिक मुद्दे: विभिन्न सामाजिक मुद्दों पर आधारित लेखन और रचनाएँ छात्रों में सामाजिक जागरूकता और संवेदनशीलता विकसित करते हैं। • सम्मान और सहिष्णुता: विभिन्न विचारों और दृष्टिकोणों के प्रति सम्मान और सहिष्णुता का भाव विकसित होता है। • नागरिकता: प्रयोजन मूलक हिंदी छात्रों को जिम्मेदार और जागरूक नागरिक बनने के लिए प्रेरित करती है।
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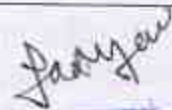

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 Veena Campus, Veena Area, ...


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		<p>4. व्यक्तित्व विकास:</p> <ul style="list-style-type: none"> • आत्मविश्वास: प्रभावी ढंग से संवाद करने और विभिन्न विषयों पर विचार व्यक्त करने की क्षमता छात्रों में आत्मविश्वास बढ़ाती है। • आलोचनात्मक सोच: विभिन्न स्रोतों से जानकारी का विश्लेषण करने और अपनी राय बनाने की क्षमता विकसित होती है। • नेतृत्व कौशल: विभिन्न समूहों में काम करने और अपनी राय का नेतृत्व करने की क्षमता विकसित होती है। • व्यक्तित्व: प्रयोजन मूलक हिंदी छात्रों को एक समय और विकसित व्यक्तित्व बनाने में मदद करती है। <p>निष्कर्ष:</p> <p>प्रयोजन मूलक हिंदी छात्रों के लिए एक महत्वपूर्ण विषय है जो उन्हें ज्ञान, कौशल, और मूल्यों को विकसित करने में मदद करता है। यह छात्रों को बेहतर संवादाता, विचारक, और नागरिक बनने के लिए तैयार करता है।</p>
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Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A./Part-3	HIN:301 आधुनिक हिंदी कविता	<p>प्रथम प्रश्न पत्र - आधुनिक हिंदी कविता इकाई -1</p> <ul style="list-style-type: none"> ❖ मैथिलीशरण गुप्त का साहित्य बच्चों के लिए एक अमूल्य खजाना है। यह उन्हें नैतिक मूल्यों, सामाजिक जागरूकता, भाषा और कल्पनाशीलता, और जीवन के प्रति सकारात्मक दृष्टिकोण सिखाता है। ❖ जयशंकर प्रसाद की कविताएँ बच्चों के लिए एक अदम्य उपहार हैं। वे बच्चों को कल्पनाशील, रचनात्मक, और नैतिक रूप से विकसित होने में मदद करती हैं। उनकी कविताएँ बच्चों में भाषा और साहित्य के प्रति रुचि भी पैदा करती हैं और उन्हें जीवन के प्रति सकारात्मक दृष्टिकोण प्रदान करती हैं। ❖ सूर्यकांत त्रिपाठी "निराला" की कविताएँ बच्चों के लिए प्रेरणा और ज्ञान का स्रोत हैं। वे बच्चों को आत्मविश्वास,


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 करौली (राज०)

		<p>रचनात्मकता, सामाजिक न्याय, और जीवन के प्रति सकारात्मक दृष्टिकोण विकसित करने में मदद करते हैं।</p> <p>इकाई - 2</p> <ul style="list-style-type: none"> ❖ सुमित्रानंदन पंत की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और मनोरंजन का स्रोत हैं। वे बच्चों को प्रकृति से प्रेम करना, सौंदर्य का अनुभव करना, नैतिक मूल्यों का पालन करना, और जीवन के प्रति सकारात्मक दृष्टिकोण रखना सिखाते हैं। ❖ महादेवी वर्मा की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और आत्म-अनुसंधान का स्रोत हैं। वे बच्चों को संवेदनशील, रचनात्मक, और आत्म-जागरूक बनने में मदद करती हैं। ❖ नागार्जुन की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और सामाजिक परिवर्तन का स्रोत हैं। वे बच्चों को न्यायपूर्ण, समान, और सकारात्मक समाज के निर्माण के लिए प्रेरित करते हैं। <p>इकाई - 3</p> <ul style="list-style-type: none"> ❖ अजेय जी की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और आत्म-अनुसंधान का स्रोत हैं। वे बच्चों को कल्पनाशील, रचनात्मक, जागरूक, और प्रकृति प्रेमी बनने में मदद करते हैं। ❖ मुक्तिबोध जी की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और सामाजिक परिवर्तन का स्रोत हैं। वे बच्चों को न्यायपूर्ण, समान, और सकारात्मक समाज के निर्माण के लिए प्रेरित करते हैं। ❖ धूमिल जी की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और सामाजिक परिवर्तन का स्रोत हैं। वे बच्चों को संवेदनशील, रचनात्मक, और सामाजिक रूप से जागरूक बनने में मदद करते हैं। ❖ रघुवीर सहाय की कविताएँ बच्चों के लिए ज्ञान, प्रेरणा, और मनोरंजन का स्रोत हैं। वे बच्चों को प्रकृति से प्रेम करना, सौंदर्य का अनुभव करना, नैतिक मूल्यों का पालन करना, और जीवन के प्रति सकारात्मक दृष्टिकोण रखना सिखाते हैं। <p>इकाई - 4</p> <ul style="list-style-type: none"> ❖ आधुनिक हिंदी कविता बच्चों के लिए ज्ञान, प्रेरणा, और आत्म-अनुसंधान का स्रोत है। यह उन्हें कल्पनाशील, रचनात्मक, जागरूक, और विविधता का सम्मान करने वाले नागरिक बनने में मदद करती है।
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	<p>HIN:302 नाटक और निबन्ध</p>	<p>इकाई - 5</p> <ul style="list-style-type: none"> ❖ आधुनिक हिंदी कविता का अध्ययन बच्चों के लिए ज्ञानवर्धक और प्रेरक अनुभव हो सकता है। यह उन्हें आलोचनात्मक सोच, नैतिक मूल्यों, सांस्कृतिक समझ, और सौंदर्यबोध विकसित करने में मदद करता है। <p>द्वितीय प्रश्न पत्र - नाटक और निबन्ध</p> <p>इकाई - 1</p> <ul style="list-style-type: none"> ❖ "आषाढ़ का एक दिन" नाटक बच्चों के लिए ज्ञान, प्रेरणा, और मनोरंजन का स्रोत है। यह उन्हें सामाजिक रूप से जागरूक, नैतिक रूप से मजबूत, और जीवन के प्रति सकारात्मक दृष्टिकोण रखने वाले नागरिक बनने में मदद करता है। ❖ "कबीर खड़ा बाजार में" नाटक बच्चों को एक बेहतर इंसान बनने के लिए प्रेरित करता है। यह उन्हें सामाजिक रूप से जागरूक, नैतिक रूप से मजबूत, और आध्यात्मिक रूप से प्रेरित बनाने में मदद करता है। <p>इकाई - 2</p> <ul style="list-style-type: none"> ❖ "साहित्य जन समूह के हृदय का विकास है" निबंध बच्चों को ज्ञान, प्रेरणा, और मनोरंजन का स्रोत प्रदान करता है। यह उन्हें कल्पनाशील, रचनात्मक, जागरूक, नैतिक रूप से मजबूत, और सांस्कृतिक रूप से विविध नागरिक बनने में मदद करता है। ❖ "धर्म और समाज" निबंध बच्चों को जीवन जीने का एक सार्थक और नैतिक तरीका प्रदान करता है। यह उन्हें अच्छे इंसान बनने, दूसरों के प्रति दयालु और कठणावान बनने, और समाज में सकारात्मक योगदान करने में मदद करता है। ❖ "उत्साह" कहानी बच्चों को प्रेरित करती है कि वे अपने सपनों को पूरा करने के लिए कठोर परिश्रम, आत्मविश्वास, और सकारात्मक सोच रखें। यह कहानी उन्हें अनुशासित, समय का सदुपयोग करने वाला, और प्रकृति से प्रेम करने वाला बनने की भी शिक्षा देती है। ❖ "देवदारु" निबंध बच्चों को प्रेरित करता है कि वे कठिन परिस्थितियों में भी हार न मानें, अपनी ताकत पर विश्वास रखें, और धैर्य और लगन के साथ अपने लक्ष्यों को प्राप्त करें। यह उन्हें प्रकृति से प्रेम करने और पर्यावरण को बचाने के लिए भी प्रेरित करता है।
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		<ul style="list-style-type: none"> ❖ महादेवी वर्मा कृत "प्रणाम" निबंध बच्चों को जीवन के अनेक महत्वपूर्ण मूल्यों को सिखाता है। यह उन्हें सम्मानजनक, विनम्र, अनुशासित, कृतज्ञ और एकतावादी इंसान बनने के लिए प्रेरित करता है। इकाई - 3 ❖ "सौन्दर्य बोध और शिवत्व बोध" निबंध बच्चों को जीवन के प्रति एक सकारात्मक और सौंदर्यपूर्ण दृष्टिकोण विकसित करने में मदद कर सकता है। यह उन्हें सौन्दर्य और शिवत्व के मूल्यों को समझने और उन्हें अपने जीवन में अपनाने के लिए प्रेरित करता है। ❖ "संस्कृति और सौन्दर्य" निबंध बच्चों को जीवन के प्रति एक समृद्ध और सार्थक दृष्टिकोण विकसित करने में मदद कर सकता है। यह उन्हें संस्कृति और सौन्दर्य के महत्व को समझने और उन्हें अपने जीवन में अपनाने के लिए प्रेरित करता है। ❖ "भारतीय संस्कृति और राष्ट्र" निबंध बच्चों को एक सच्चा भारतीय बनने के लिए आवश्यक मूल्यों और गुणों को विकसित करने में मदद कर सकता है। यह उन्हें अपनी संस्कृति पर गर्व करने, अपनी राष्ट्रीय पहचान को बनाए रखने और राष्ट्र निर्माण में योगदान करने के लिए प्रेरित करता है। ❖ "हल्दी दूब और दधि अच्छत" निबंध बच्चों को जीवन के कई महत्वपूर्ण मूल्यों को सिखाता है। यह उन्हें भारतीय संस्कृति और परंपराओं से जोड़ता है और उन्हें एक बेहतर इंसान बनने के लिए प्रेरित करता है। ❖ "मधुर-मधुर रस राज" निबंध बच्चों को जीवन के कई महत्वपूर्ण पहलुओं से परिचित कराता है। यह उन्हें प्रकृति के प्रति प्रेम, जीवन में आनंद, रचनात्मकता, कृतज्ञता, और पर्यावरण संरक्षण का महत्व सिखाता है। इकाई - 4 ❖ हिंदी नाटक, निबंध और रंगमंच का इतिहास बच्चों के लिए जान और प्रेरणा का एक समृद्ध स्रोत है। यह उन्हें जीवन के विभिन्न पहलुओं के बारे में जानने, महत्वपूर्ण मूल्यों को विकसित करने और कला और संस्कृति की सराहना करने में मदद करता है। इकाई - 5 ❖ नाटक बच्चों के लिए सीखने और विकास का एक शानदार माध्यम है। यह उन्हें विभिन्न विषयों, मूल्यों, और जीवन के
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		<p>पहलुओं के बारे में सिखाता है, और उनके समय विकास में योगदान देता है।</p> <ul style="list-style-type: none"> ❖ निबंध विधा का अध्ययन बच्चों के लिए एक महत्वपूर्ण शिक्षण उपकरण है। यह उन्हें न केवल एक बेहतर लेखक बनने में मदद करता है, बल्कि उनके समय विकास में भी योगदान देता है।
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Class/Semester	Course Code/Title	Learning outcome: At the end of the course the students will be able to:
B.A.Part-1	HIN : 101 प्राचीन काव्य	<p>प्रथम प्रश्न पत्र - प्राचीन काव्य</p> <p>इकाई - 1</p> <ul style="list-style-type: none"> ❖ पृथ्वीराज रासो बच्चों के लिए एक महत्वपूर्ण शिक्षण ग्रंथ है। यह उन्हें वीरता, देशभक्ति, न्याय, नीति, इतिहास, भाषा, और साहित्य के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। ❖ कबीर का साहित्य बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें प्रेम, भक्ति, सत्य, न्याय, समानता, भाईचारा, सादगी, संतोष, कर्म, त्याग, भाषा, और साहित्य के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। ❖ जायसी ग्रंथावली बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें प्रेम, भक्ति, साहस, वीरता, त्याग, बलिदान, नैतिकता, मूल्य, रहस्यवाद, प्रतीकात्मकता, भाषा, साहित्य, इतिहास, और संस्कृति के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। <p>इकाई - 2</p> <ul style="list-style-type: none"> ❖ सुरदास का साहित्य बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें भक्ति, प्रेम, करुणा, दया, नैतिकता, मूल्य, विनमता, संतोष, भाषा, साहित्य, संस्कृति, और परंपरा के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। ❖ तुलसीदास का साहित्य बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें भक्ति, नैतिकता, साहस, त्याग,


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		<p>करुणा, दया, विनमता, संतोष, भाषा, साहित्य, संस्कृति, और परंपरा के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है।</p> <ul style="list-style-type: none"> ❖ रसखान का साहित्य बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें प्रेम, भक्ति, रहस्यवाद, आत्मज्ञान, सहिष्णुता, समरसता, नैतिकता, मूल्य, भाषा, साहित्य, संस्कृति, और परंपरा के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। ❖ मीराबाई का साहित्य बच्चों के लिए एक महत्वपूर्ण शिक्षण स्रोत है। यह उन्हें प्रेम, भक्ति, साहस, त्याग, नैतिकता, मूल्य, विनमता, संतोष, भाषा, साहित्य, संस्कृति, और परंपरा के बारे में सिखाता है। यह बच्चों को प्रेरित करता है और उनका चरित्र निर्माण करता है। <p>इकाई - 3</p> <ul style="list-style-type: none"> ❖ सुदामा चरित बच्चों के लिए एक प्रेरक कहानी है। यह उन्हें सच्ची मित्रता, विनमता, संतोष, ईश्वर पर भरोसा, कर्मयोग, क्षमा, दया, त्याग, बलिदान, प्रेम और भक्ति का महत्व सिखाता है। यह कहानी बच्चों को प्रेरित करती है और उन्हें अच्छे इंसान बनने के लिए प्रेरित करती है। <p>इकाई - 4</p> <ul style="list-style-type: none"> ❖ हिंदी साहित्य के आदिकाल और भक्तिकाल का अध्ययन बालकों के लिए अनेक लाभदायक है। यह उन्हें नैतिक मूल्यों, सामाजिक-सांस्कृतिक मूल्यों, भाषा-साहित्यिक कौशलों, कल्पनाशीलता-रचनात्मकता, ऐतिहासिक-धार्मिक ज्ञान, और मनोरंजन-आनंद प्रदान करता है। इस अध्ययन के माध्यम से बालक एक बेहतर इंसान बनने की दिशा में अग्रसर हो सकते हैं। <p>इकाई - 5</p> <ul style="list-style-type: none"> ❖ शब्द शक्ति बालकों के विकास में महत्वपूर्ण भूमिका निभाती है। यह उन्हें भाषा, रचनात्मकता, आलोचनात्मक सोच, सांस्कृतिक समझ, आत्म-अभिव्यक्ति, और आत्मविश्वास विकसित करने में मदद करती है। शब्द
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		<p>शक्ति का ज्ञान और कौशल उन्हें जीवन में सफल होने और अपने सपनों को पूरा करने में सहायक होगा।</p> <ul style="list-style-type: none"> ❖ काव्य गुण बालकों के सर्वांगीण विकास में महत्वपूर्ण भूमिका निभाते हैं। यह उन्हें सौंदर्यबोध, रसानुभूति, भाषा, कल्पनाशीलता, रचनात्मकता, नैतिकता, जीवन जीने की कला, सांस्कृतिक समझ, और सामाजिक समझ विकसित करने में मदद करते हैं। काव्य गुणों का ज्ञान और अनुभव उन्हें जीवन में सफल होने और एक बेहतर इंसान बनने में सहायक होगा। ❖ काव्य दोषों का अध्ययन बालकों के लिए अनेक लाभदायक है। यह उन्हें भाषा, रचनात्मकता, आलोचनात्मक सोच, साहित्यिक समझ, और भाषा की बारीकियों का ज्ञान प्रदान करता है। काव्य दोषों का ज्ञान और अनुभव उन्हें बेहतर संवादकर्ता, रचनाकार, और आलोचक बनने में सहायक होगा। ❖ अलंकार बालकों के सर्वांगीण विकास में महत्वपूर्ण भूमिका निभाते हैं। यह उन्हें भाषा, कल्पनाशीलता, रचनात्मकता, सांस्कृतिक समझ, सौंदर्यबोध, रसानुभूति, आलोचनात्मक सोच, और तर्क कौशल विकसित करने में मदद करते हैं। अलंकारों का ज्ञान और अनुभव उन्हें जीवन में सफल होने और एक बेहतर इंसान बनने में सहायक होगा। ❖ छंद बालकों के विकास में महत्वपूर्ण भूमिका निभाते हैं। यह उन्हें भाषा, कल्पनाशीलता, रचनात्मकता, सांस्कृतिक समझ, स्मरणशक्ति, एकाग्रता, मनोरंजन, और आनंद प्रदान करते हैं। छंदों का ज्ञान और अनुभव उन्हें जीवन में सफल होने और एक बेहतर इंसान बनने में सहायक होगा।
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Class/Semester	Course/Code	Learning outcome: At the end of the course the students will be able to:
B.A.Part-1	HIN : 102 कथा साहित्य	<p>द्वितीय प्रश्न पत्र - कथा साहित्य</p> <p>इकाई - I</p> <ul style="list-style-type: none"> ❖ "दुलाईवाली" न केवल एक मनोरंजक कहानी है, बल्कि यह हमें जीवन के अनेक महत्वपूर्ण मूल्यों के बारे में भी शिक्षा

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		<p>देती है। यह कहानी हमें सिखाती है कि हमें स्त्री शक्ति, मातृत्व, शिक्षा, सामाजिक कुरीतियों, और आशावाद जैसे विषयों पर ध्यान देना चाहिए। यह कहानी सभी उम्र के लोगों के लिए प्रेरणादायी है।</p> <ul style="list-style-type: none"> ❖ "ठाकुर का कुआँ" एक प्रेरणादायक कहानी है जो बच्चों को सामाजिक न्याय, समानता, दया, करुणा, आत्मविश्वास, दृढ़ संकल्प और संघर्षों का सामना करने जैसे महत्वपूर्ण मूल्यों के बारे में सिखाती है। यह कहानी उन्हें एक बेहतर इंसान बनने और समाज में सकारात्मक बदलाव लाने के लिए प्रेरित करती है। ❖ "आकाशदीप" एक प्रेरणादायक कहानी है जो बच्चों को सत्य, न्याय, प्रेम, करुणा, आशा, विश्वास, बलिदान, त्याग, साहस और दृढ़ संकल्प जैसे महत्वपूर्ण मूल्यों के बारे में सिखाती है। यह कहानी उन्हें एक बेहतर इंसान बनने और जीवन में सफलता प्राप्त करने के लिए प्रेरित करती है। ❖ "शरणदाता" कहानी न केवल मनोरंजक है, बल्कि अनेक महत्वपूर्ण शिक्षाएँ भी प्रदान करती है। यह कहानी बालकों को सदाचारी, नीतिवान और आदर्श नागरिक बनने के लिए प्रेरित करती है। <p>इकाई-2</p> <ul style="list-style-type: none"> ❖ "परदा" कहानी न केवल मनोरंजक है, बल्कि अनेक महत्वपूर्ण शिक्षाएँ भी प्रदान करती है। यह कहानी बालकों को एक आदर्श नागरिक बनने के लिए प्रेरित करती है और उन्हें सामाजिक कुरीतियों के खिलाफ लड़ने के लिए प्रोत्साहित करती है। ❖ "वापसी" कहानी न केवल मनोरंजक है, बल्कि अनेक महत्वपूर्ण शिक्षाएँ भी प्रदान करती है। यह कहानी बालकों को एक आदर्श जीवन जीने और सदैव सकारात्मक रहने के लिए प्रेरित करती है। ❖ "डिप्टी कलकटरी" कहानी न केवल मनोरंजक है, बल्कि अनेक महत्वपूर्ण शिक्षाएँ भी प्रदान करती है। यह कहानी बालकों को एक आदर्श जीवन जीने और अपनी क्षमताओं पर विश्वास रखने के लिए प्रेरित करती है। ❖ "मेहंदी के फूल" कहानी न केवल मनोरंजक है, बल्कि शिक्षाप्रद भी है। यह कहानी बालकों को जीवन में महत्वपूर्ण मूल्यों को सीखने और अपनाने के लिए प्रेरित करती है।
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		<p>❖ "उसने कहा था" कहानी न केवल रोचक है, बल्कि प्रेरणादायक भी है। यह कहानी बालकों को जीवन में महत्वपूर्ण मूल्यों को सीखने और अपनाने के लिए प्रेरित करती है।</p> <p>इकाई - 3</p> <p>❖ "गुनाहों का देवता" उपन्यास न केवल रोचक है, बल्कि प्रेरणादायक भी है। यह उपन्यास बालकों को जीवन में महत्वपूर्ण मूल्यों को सीखने और अपनाने के लिए प्रेरित करती है।</p> <p>इकाई - 4</p> <p>❖ "गुनाहों का देवता" उपन्यास न केवल रोचक है, बल्कि प्रेरणादायक भी है। यह उपन्यास बालकों को जीवन में महत्वपूर्ण मूल्यों को सीखने और अपनाने के लिए प्रेरित करती है।</p> <p>इकाई - 5</p> <p>❖ कहानी और उपन्यास विधाएं बालकों के विकास में महत्वपूर्ण भूमिका निभाती हैं। यह महत्वपूर्ण है कि बच्चों को विभिन्न प्रकार की कहानियां और उपन्यास पढ़ने के लिए प्रोत्साहित किया जाए ताकि वे इन विधाओं से मिलने वाले सभी लाभों का लाभ उठा सकें।</p>
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