



# ST. ALOYSIUS' COLLEGE

AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA

## CRITERION-3

### RESEARCH, INNOVATIONS AND EXTENSION

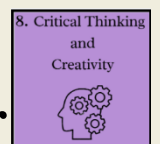
Key Indicator – 3.3

Innovation Ecosystem



Metric No.: 3.3.1

Ecosystem for Innovation, Creation and Transfer



Document Name

Indian Knowledge System



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(AUTONOMOUS), JABALPUR(M.P.)

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## Ecosystem for Innovation, Creation and Transfer

### 3.3.1 Indian Knowledge System

M.Sc. Zoology II Semester  
Session 2023-24  
ELECTIVE COURSE  
Environment & Biodiversity Conservation MM : 40

**Unit I –**

- Scope of Environmental Science
- Environmental monitoring and impact assessment.
- Water conservation, water quality, harvesting and water shed management
- Soil Problem in India and its management.

**Unit II –**

- Agriculture pollution
- Effects of Agricultural Practices on Biodiversity
- Basic concepts of Bioaccumulation.
- Environmental legislation.

**Unit III**

- Impact of global warming wsr acid rains and ozone depletion, green house effect.
- Control measures of global warming wsr (a) Afforestation (b) reduction in the use of CFCS.
- Disaster management wsr floods, earthquake and landslides.

**Unit IV**

- Use and over exploitation of Natural Resources wsr forests and water.
- Integrated forest management programmes in India
- Dams- benefits and problems
- Environmental effect of extracting and using mineral resources

**Unit V**

- World food problem wsr Role of genetic modified food as solution
- Using of alternate energy sources
- Biodiversity crisis wsr habitat degradation and poaching of wild life.
- Role of National Bureau of Animal Genetic Resources (NBAGR) in conservation of indigenous livestock biodiversity.

**Suggested Readings :**

1. Arora : Fundamentals of environmental biology
2. Anathakrishnan : Bioresources ecology
3. Bottain : Environmental studies
4. Boubey : Ecology of populations
5. Clark : Elements of ecology
6. Dowdoswell : An introduction to animal ecology
7. Goldman : Limnology
8. Kormondy : Concepts of ecology
9. May : Model ecosystems
10. Odum : Ecology
11. Perkins : Ecology
12. Simmons : Ecology of estuaries and costal water
13. Pawlosuske : Physico-chemical methods for water
14. South Woods : Ecological methods
15. Trivedi and Goel : Chemical and biological methods for water pollution studies
16. Willington : Fresh water biology
17. Wetzel : Limnology
18. Welch : Limnology Vols. I-II

*POB*  
*12/23*  
*Ruma*  
*19/12/23*  
*Maha*  
*Amritha*



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St. Aloysius' College (Autonomous) Jabalpur, M.P.

Department of Botany and Microbiology

B.Sc. II Semester Botany

Basic Botany

Paper—II

Session 2023-24

Part A- INTRODUCTION			
Program: Certificate	Class: BSc II semester	Year: B.Sc. II Semester	Session: 2023-24
Subject: BOTANY			
1.	Course Code	S1-BOTA2T	
2.	Course Title	Basic Botany (Paper-2)	
3.	Course Type (Core Course/Elective/Generic Elective/Vocational/.....)	Core Course	
4.	Pre-requisite (if any)	To study this course, a student must have had the subject botany in class 12th/certificate/diploma.	
5.	Course Learning Outcome (CLO)	On completion of this course the students will be able to: CO 1- understand the diversity of plants and evolutionary process in plant kingdoms. CO 2- understand an account of plant adaptations from aquatic condition to colonize terrestrial habitat. CO 3- investigate the changes in morphological, anatomical and reproductive structures that propel plant evolution. CO 4- understand the economic importance of plants in nature. CO 5- acquainted with locally prevalent microbial diseases of plants and humans.	
6.	Credit Value	4 Credits	
7.	Total Marks	Max. Marks: 40+60	Min. Passing Marks: 35

Part B- Content of the Course		
Total No. of Lectures- 60		Tutorials- 0 Practical =0 ( theory 4 hours per week):
L-T-P:		
UNIT	TOPIC	No. of Lectures
I	1.1 History of Botany and Indian Contributions. 1.2 Morphological Characteristics of lower and higher plants(Angiosperms). 1.3 Types of leaves, Inflorescence, Flowers and Fruits. 1.4 Structure of Plant cell and cell organelles, Prokaryotic and Eukaryotic Cells, types of Cell division.	12



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	<p>1.5 Microscope structure and function of light microscope (magnification and resolving power).</p> <p>1.6 Various types of Microscopes: Bright field, Phase Contrast, SEM and TEM.</p>	
II	<p><b>1. Algae</b></p> <p>1.1 General characteristics</p> <p>1.2 Range of thallus organization, reproduction.</p> <p>1.3 Types of life-cycles in algae</p> <p>1.4 Role of algae in nature and its economic importance.</p> <p><b>2. Bryophytes :</b></p> <p>2.1 General characteristics, Ecology.</p> <p>2.2 Range of thallus organization, morphology, anatomy (internal and external features) and reproduction of any one Bryophyte.</p> <p>2.3 Economic importance of Bryophytes</p>	12
III	<p><b>1. Pteridophytes</b></p> <p>1.1 General characteristics and morphology.</p> <p>1.2 Stellar organization and reproduction.</p> <p>1.3 Heterospory and seed habit.</p> <p>1.4 Economical importance</p> <p><b>2. Gymnosperms</b></p> <p>2.1 General description and their distribution.</p> <p>2.2 Economical importance of Gymnosperms.</p> <p><b>3. Paleobotany</b></p> <p>3.1 Indian contribution in Paleobotany.</p> <p>3.2 Brief knowledge of Fossils and Geological time scale.</p>	12
IV	<p><b>1. Fungi</b></p> <p>1.1 General characteristics and cell wall composition. 1.2 Mode of nutrition</p> <p>1.3 Types of reproduction</p> <p>1.4 Economic importance</p> <p>1.5 Parasexuality and Mycorrhiza</p> <p><b>2. Lichens:</b> Brief knowledge and their significance.</p>	12
V	<p><b>1. Microbes</b></p> <p>1.1 Brief outline of various types of Microbes</p> <p>1.2 Archaeobacteria, Eubacteria, Cyanobacteria, Mycoplasma, Actinomycetes and Virus.</p> <p>1.3 Beneficial and harmful roles.</p>	12
<p><b>Keywords/Tags: History of Botany, Paleobotany, Prokaryotes, Eukaryotes, Algae, Bryophyta, Pteridophyta, Gymnosperms, Fungi, Mycorrhiza, Lichens, Bacteria, Virus</b></p>		
<p><b>Part C-Learning Resources</b></p>		
<p>Text Books, Reference Books, Other resources</p>		





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St. Aloysius College Autonomous Jabalpur, M.P

Department of Microbiology

B.Sc. IV Semester

Botany: Major Paper II/Minor

2023-24

Syllabus of Theory Paper

Part A Introduction			
Program: Diploma		Class: B.Sc.	Year: IV Semester
Session:2023-24			
Subject: Botany			
1	Course Code	S2-BOTA2T	
2	Course Title	Industrial Botany	
3	Course Type (Core Course/Elective/Generic Elective/Vocational/...)	Core Course	
4	Pre-requisite (if any)	The course is open to all who have completed I year certificate course in botany and other subjects	
5	Course Learning outcomes (CLO)	<ul style="list-style-type: none"><li>• This course will provide knowledge on plants and their parts used in various industries.</li><li>• Students will get an idea to establish plant based natural product industry.</li><li>• This course will make the students self-reliant.</li></ul>	
6	Credit Value	4 Credits	
7	Total Marks	Max. Marks: 40+60=100	Min. Passing Marks:35



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Part B- Content of the Course		
Total No. of Lectures- 60 Hours Tutorials- 0 Practical (theory 2 hours per week): L/T/P:		
Unit	Topics	No. of Lectures
I	<b>1 Plants in Timber Industry:</b> 1.1 Timber yielding trees of India and their products (Shisham, Sal, Teak, Deodar, Babool). 1.2 Bamboo and Cane Industry. 1.3 Kattha' Industry.	12
II	<b>Leaf Based Industries-</b> 1.1 Utility products of leaf (Palash, Banana). 1.2 Tea Industry (Production of various types of teas). 1.3 Leaf oil Industry (Mint, Camphor, Neem, Tulsi, Eucalyptus and Lemon grass). 1.4 Leaves used as spices (Kasoori Methi, Pudina, Curry patta, Onion, Tejpatta).	12
III	<b>Flower based Industries —</b> 1.1 Perfume products of Gulab, Jasmine, Henna, 1.2 Color industry (Food and Holi colors). 1.3 Raw material for Fermentation (Mahua).	12
IV	<b>Fruits and Seed-based Industries-</b> 1.1 Jams, Jellies, Juice, Sauce and Pickles. 1.2 Poha and Daal Industry. 1.3 Edible Oil Industry (Groundnut, Soybean) 1.4 Starch, Glucose, and Dextrose Industry.	12
V	<b>Other parts of plants based Industries</b> 1.1 Sugar and Jaggery Industries. 1.2 Jute and Agarbatti stick making industry. 1.3 Project proposal preparation for establishment of an industry. 1.4 Grants and funding provider organizations of India	12
Keywords/Tags: Keywords-Timber, Bamboo, Cane, Jute, Tea Industry, Oil yielding leaves, Perfumes, Leaf spices, Fermentation, Food colours, Edible oils, Food preservation techniques, Sugar industries.		



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JABALPUR (M.P) INDIA

Subject/Course type : FOUNDATION COURSE  
Class : BA/BSC/BCOM/BCA/BBA I YEAR  
Paper Code : XI-FCHBIT  
Paper Title : ENGLISH LANGUAGE AND INDIAN CULTURE  
Credits : 2 credits

#### COURSE OUTCOMES:

1. Prepare for various competitive exams by developing their English language competence.
2. Promote their comprehension skills by being exposed to a variety of texts and their interpretations.
3. Build and enhance their vocabulary
4. Develop their communication skills by strengthening grammar and usages
5. Inculcate values which make them aware of national heritage and environmental issues and making them responsible citizens.

Unit	Topics	No. of lectures
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Unit-I	Reading, Writing and Interpretation Skills: 1. Where the mind is without fear- Rabindranath Tagore (Keyword: Patriotism) 2. National Education-M. K. Gandhi (Keyword: Edification) 3. The Axe-R.K Narayan [Keyword: Environment] 4. The Wonder That Was India-A. L Basham(an excerpt)[Keyword: Indianness ] 5. Preface to the Mahabharata C. Rajagopalachari [Keyword: Indian Mythology] 6. Child Bride- Rajiv Khandelwal	5
Unit- II	Comprehension Skill: Unseen passage followed by multiple choice questions	5
Unit- III	Basic Language Skills 1. Vocabulary Building: Suffix, Prefix, Synonyms, Antonyms, Homophones, Homonyms and One-word substitution 2. Basic Grammar: Noun, Pronoun, Adjective, Verb, Adverb, Prepositions, Articles, Time and Tense	5

#### Textbooks, Reference Books, Other Resources: Suggested Readings-

1. Essential English Grammar-Raymond<sup>1</sup> Murphy, Cambridge University Press.
2. Practical English Grammar Exercises I-A.J.Thomson & A.V.Martinet, Oxford India.
3. Practical English Usage-Michael Swan, Oxford
4. English Grammar in Use-Raymond Murphy, Cambridge University Press.

*Handwritten signatures of faculty members:*  
A. K. Singh, of Cambridge, Pereira, Neelgandhi, N. S. Singh, S. Singh, G. Singh, N. Singh, S. Singh





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St. Aloysius' College, (Autonomous),

Jabalpur, M.P., India.

Department of Botany and Microbiology

Session 2023-2024

Part A Introduction		
Program: Under Graduate Course	Level: Diploma III Year	Session 2023-24
Course Code	V2-	
Course title	Plants used in Therapy	
Course type	Vocational	
Pre-requisite (if any)	Open for all	
Course Learning Outcome (CLO)	After completion of course, students will be able to <ul style="list-style-type: none"><li>• Know about different therapies of treatments.</li><li>• Identify plant species used in Ayurvedic, Homeopathic, Allopathic, Unani and Ethnomedicines.</li><li>• Prepare different Asavas, Arishtas, Dermal oils, Mother Tincture, Ointments and many other cosmetics.</li><li>• Understand importance of Ethnomedicines.</li><li>• Prepare cosmetic ethnomedicines.</li><li>• Learn about the utility of plant products for treatments to use them as business.</li></ul>	
Expected Job Role/ Career Opportunities	1- Students can work in pharmaceutical companies for selling, marketing and analytical works. 2 – they can establish their own product preparation industries on small or large basis. 3 – Students can engage themselves in production of plant-based medicines and their marketing	
Credit Value	2 (Theory) + 2 (Practical) = 04	



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## Part B – Content of the Course

Total No. of Lectures + Practical (in hours per week): L-1Hr/ P – 1 Lab Hr (= 2 Hrs)

Total No. of Lectures/ Practical: L – 30/ P – 30 (60 Hrs)

Module	Topics	No. of Lectures (Total 30)
I	<p>General Aspects of Ayurvedic System</p> <p>1.1 Introduction and brief history of Ayurvedic therapy</p> <p>1.2 Significance of Ayurvedic System, traditional texts available for ayurvedic system of treatment: Charak, Sushruta and Ashtang Sanhita</p> <p>1.3 Plants used in Ayurvedic System of Treatment: Local and scientific name, family and identification of Bacopa monnieri (Brahmi), Boerhavia diffusa (Punarnava), Butea monosperma (Palash), Datura sp., Piper nigrum (Black pepper), Ricinus communis (Arandi), Withania somnifera (Ashwagandha), Terminalia arjuna (Arjun)</p> <p>1.4 Method of preparation of Asavas: Kanakasava and Lohasava, Drakshasava, Nimbasava, Bilbasava</p> <p>1.5 Method of preparation of Arishta: Amritarisht, Arjunarisht, Asokarisht, Khadirarisht</p>	10
II	<p>Plants used in Allopathic and Homeopathic system</p> <p>2.1 Definition, benefits, history and scope of Allopathic System of Medicine</p> <p>2.2 Preventive medicines, risks related to Allopathic System of medicine</p> <p>2.3 Identification and uses of plants in Allopathic Medicines: Local and scientific name, family and identification of Calendula officinalis (Callendula, Marigold), Lavendula angustifolia (Lavender, Violets), Salvia</p>	10



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	<p>rosmarinus (Rosemary), Syzygium aromaticum (Clove), Cinnamomum camphora (Camphor tree), Carum carvi (Ajwain)</p> <p>2.4 Definition, developmental history and theories related to Homoeopathic system</p> <p>2.5 Identification and uses of plants in Homoeopathic Medicines: Local and scientific name, family and identification of <i>Andrographis peniculata</i> (Green chiretta, kalmegha), <i>Thuja occidentalis</i> (Morpankhi), <i>Achyranthus aspara</i> (Apamarga), <i>Convolvulus prostratus</i> (Shankhpushpi), <i>Mangifera indica</i> (Mango), <i>Lycopodium</i> sp., <i>Selaginella</i> sp.</p>
III	<p>Plants used in Unani Therapy and Medical Ethanobotany</p> <p>3.1 Definition, history and four basis of treatment in Unani Therapy</p> <p>3.2 Identification and uses of plants in Unani Medicines: Local and scientific name, family and identification of <i>Crocus sativus</i> (Saffron, Zafran), <i>Prunus amygdalus</i> (Badam), <i>Cassia angustifolia</i> (Sana), <i>Raphanus sativus</i> (Radish)</p> <p>3.3 Introduction of Ethnobotany, Medical Ethnobotany in India</p> <p>3.4 Folk medicines used in different diseases: <i>Santalum album</i> (Chandan), <i>Oryza sativa</i> (Rice), <i>Euphorbia hirta</i> (Asthma weed), <i>Bauhinia variegata</i> (Kachnar), <i>Bamboosa</i> (Bamboo)</p> <p>3.5 Mythological Ethnomedicines: <i>Ficus</i> sps (Bargad, Peepal), <i>Acacia</i> sp. (Babool), <i>Aegel marmelos</i> (Bel), <i>Ocimum sanctum</i> (Holi basil)</p> <p>Cosmetic Ethanomedicines: <i>Curcuma longa</i> (Turmeric), <i>Vitex negundo</i> (Nirgundi), <i>Cicer arietinum</i> (Chick pea, Gram), <i>Sesamum indicum</i> (Sesame)</p>



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## St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

Class	CourseType	CourseCode	Course Title (Theory/Practical)	Marks	
B.Sc. I Semester	Major/ Minor	ChemT1	Fundamentals of Chemistry	Max:100	Min:35

### Course Objectives:

- To create an understanding of structure of atom and indicate the location of the nucleus, the shells, and the electronic orbitals and to calculate the maximum number of electrons that can occupy a specific shell
- To identify the various periodic properties of s and p block elements and their trends along the group and periods of the periodic table.
- To enable the students to identify and differentiate between the different types of chemical bonds/parameters and create an understanding of various theories associated.
- To enable the students in identifying the properties of acids and bases and comparing the various models of acid- base.
- To understand the fundamentals of structure, shape and reactivity of organic molecules.
- To enable the students to understand the concept of stereochemistry and conformations.
- To gain knowledge about rate constants of various order reactions, half-life period, types of electrolytes, solubility product, degree of ionization and factors affecting it.

### UNIT-I

#### Atomic Structure:

(a) Chemical Techniques in ancient India: general Introduction. Contribution of ancient Indian Scientists in chemistry e.g., metallurgy, yes, pigments, cosmetics, Ayurveda, Charak Sanhita.

(b) Review of Bohr's theory and its limitations. Atomic spectrum of Hydrogen. Dual nature of particles and waves, de Broglie's equation, Heisenberg's Uncertainty Principle and its significance. Quantum number and their significance. Rules for filling electrons in various orbitals, Pauli's Exclusion Principle, Hund's rule of maximum multiplicity, Aufbau Principle and its limitations, Variation of orbital energy with atomic number. Electronic configurations of the atoms. Stability of half-filled and completely filled orbitals, concept of exchange energy. Relative energies of atomic orbitals, Anomalous electronic configurations.

**Keywords/Tags:** Metallurgy, Dyes, Cosmetics, Charak Sanhita Hydrogen Spectrum, Hund's Rule,

### UNIT-II

Elementary idea of the following properties of the elements with reference to s & p-block elements in periodic table. Effective nuclear number (EAN), Shielding or screening effect, Slater rules, variation of effective nuclear charge in periodic table. Atomic radii (vander Waals) Ionic and crystal radii Covalent radii (octahedral and tetrahedral). Detailed discussion of the following properties of elements, with reference to s & p-blocks. Ionization energy – Successive ionization energy and factors affecting ionization energy. Applications of Ionization energy. Electronegativity-Pauling's/Mulliken's electronegativity scales. Variation of electro negativity with bond order, partial charge, hybridization.

**Keywords/Tags:** EAN, Atomic radii, Ionic radii, Crystal radii

### UNIT-III

(a) **Ionic Bonding: General Characteristics of Ionic Bonding.**

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## St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

Ionic Bonding and energy: lattice and salvation energies and their importance in the context of stability and solubility of ionic compounds. Statement of Born- Lande equation for calculation of lattice energy, Madelung constant, Born-Haber cycle and its applications. Covalent character in ionic compounds, polarizing power and polarizability. Fajan's rules. Covalent bonding: Lewis structure, Valence bond theory (Heitler-London Approach). Hybridization-Concept, types ( $sp$ ,  $sp^2$ ,  $sp^3$ ,  $dsp^2$ ,  $d^2sp^3$ ) with suitable example of inorganic and organic molecules. Ionic character in covalent compounds-dipole moment and percentage ionic character. Valence Shell Electron pair Repulsion (VSEPR) Theory: Assumption, need of theory, application of theory to explain geometries or shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements such as:  $NH_3$ ,  $H_2O$ ,  $SF_4$ ,  $ClF_3$ ,  $PCl_5$ ,  $SF_6$ ,  $ClF_5$ ,  $XeF_4$ .

### (b) Molecular orbital (MO) concept of bonding

The approximations of the theory, Linear combination of Atomic Orbitals(LCAO) (elementary pictorial approach). Rules for the LCAO method, bonding and antibonding MOs. Characteristics for s-s, s-p and p-p combinations of atomic orbitals, nonbonding combination of orbitals. Molecular orbital Diagram of homonuclear diatomic molecules:  $H_2$ ,  $Li_2$ ,  $Be_2$ ,  $B_2$ ,  $C_2$ ,  $N_2$ ,  $O_2$ ,  $F_2$  and their ions. Molecular orbitals of heteronuclear diatomic molecules:  $CO$ ,  $NO$ ,  $CN$ ,  $HF$ .

### (c) Bond parameters: Definition and factors affecting- bond orders, bond lengths, bond angles.

**Keywords/Tags:** Ionic Bonding, Covalent Bonding, hybridization, VSEPR Theory, LCAO, MO diagram, Bond Parameters

### UNIT – IV

Arrhenius concept, Bronsted Lowry's concept, conjugate acids and bases, relative strength of acids, Lewis concept. pH, buffer solutions. Acid-base neutralization curves, Handerson equation. Strength of organic acids and bases: Comparative study with emphasis on factors affecting pK values Indicator, choice of indicators.

**Keywords/Tags:** Acid-base concept, Bronsted-Lowry's concept, Conjugate Acids and Bases, pH, Buffer Solution, Indicator.

### UNIT – V

#### (a) Fundamentals of Organic Chemistry

Structure, shape and reactivity of organic molecules: Physical Effects, Electronic Displacement: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugation. Cleavage of bonds: Homolysis and Heterolysis. Reactive Intermediates: Carbocations, Carbanions and free radicals. Nucleophiles and Electrophiles.

#### (a) Stereochemistry of Organic Compounds: Concept of isomerism

**Geometrical isomerism:** Determination of configuration of geometric isomers. E & Z system of nomenclature, geometric isomerism in oximes and alicyclic compounds.

**(b) Optical isomerism:** Elements of symmetry, molecular chirality, enantiomers & their properties, stereogenic centre, optical activity of enantiomers. Concept of chirality (up to two carbon atoms): chiral and achiral molecules with two stereogenic centres, diastereomers, threo and erythroisomers, mesoisomer, resolution of enantiomers, inversion, retention and racemization. Relative and absolute configuration, sequence rules, D & L and R & S systems of nomenclature.

#### (c) Conformations and Conformational analysis

Conformations of ethane, butane and cyclohexane. Interconversion of wedge Formula, Newman, Sawhorse and Fischer representations.



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## St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

**Keywords/Tags:** Electronic Displacements, Nucleophiles, Electrophiles, Isomerism, Molecular Chirality, Enantiomers, Sequence Rules, Conformation

### UNIT-VI:

#### (a) Chemical Kinetics:

Rate of reaction, Definition and difference of order and molecularity. Derivation of rate constants for first, second, third and zero order reactions and examples. Derivation of half-life period. Methods to determine the order of reactions. Effect of temperature on rate of reaction, Arrhenius equation, concept of activation energy.

(b) **Ionic Equilibria:** Strong, moderate and weak electrolytes, degree of ionization, factors affecting degree of ionization, ionizations constant and ionic product of water. Common ion effect. Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for difficult salts. Solubility and solubility product of sparingly soluble salts-applications of solubility product.

**Keywords/Tags:** Order of Reaction, Molecularity Of Reaction, Arrhenius Equation, Activation Equation, Activation Energy, Electrolytes, Salt Hydrolysis, Solubility Product.

#### **Course outcome:**

By the end of this course student will be able to

- Gain a thorough knowledge about various theories and principles applied to reveal atomic structure and quantum number
- Understand concepts of periodic properties of elements.
- Develop an understanding related to theories of chemical bonding
- Develop the Acid-Base concept and pH buffer
- Gain a thorough knowledge about factors responsible for reactivity of organic molecules.
- Develop an understanding related to basics and Mechanism of Chemical Kinetic

#### **Reference Books:**

1. Lee, J.D. Concise Inorganic Chemistry. ELBS, 1991.
2. Khera, H.C., Gurtu, J.N., Singh, J. Chemistry for B.Sc. 1st Year, PragatiPrakashan.
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# ST. ALOYSIUS' COLLEGE

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## St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

Class	Course Type	Course Code	Course Title (Theory/Practical)	Marks	
B.Sc. IV Semester	Major/ Minor	S2 CHEM2T	Transition Elements, Chemi-energetics, Phase Equilibria(Theory)	Max: 100	Min: 35

### Course objectives:

- To enrich the students with the understanding of fundamentals and concepts of thermodynamics, thermochemistry, phase equilibrium, Solutions, Electrochemistry, adsorption, adsorption and its applications.
- To enable the students to understand the fundamentals of the inorganic chemistry through schematic study of transition, inner transition elements and their properties and compounds
- To build up an understanding of coordination chemistry, their reactions, structure, isomerism and applications

### UNIT-I

#### Chemistry of d- & f-block elements

(a) **Chemistry of Transition elements:** First, Second and Third Transition series. General group trends with special reference to- Electronic Configuration, Coordination Geometry, Colour, Variable Valency, Spectral, Magnetic and Catalytic Properties, Ability to form Complexes.

(b) **Chemistry of Inner Transition elements:** Lanthanides and Actinides. General group trends with special reference to Electronic Configuration, Oxidation States, Colour, Spectral and Magnetic Properties. Lanthanide Contraction. Separation of Lanthanides (Ion-exchange method only).

(c) **Transuranic elements:** General Introduction.

**Keywords/Tags:** Knowledge Tradition of Indian Chemistry, Transition elements, Spectral Properties, Magnetic Properties, Catalytic Properties, Lanthanide Contraction.

### UNIT-II

#### Coordination Chemistry

(a) **Structures, Stereochemistry and Metal-Ligand Bonding in Transition Metal Complexes:**

Werner theory for complexes. Electronic interpretation by Sidwick.

(b) **Valence Bond Theory (VBT)-** Postulates and applications for Tetrahedral, Square planar and Octahedral complexes. Limitations of VBT.

(c) **Crystal Field Theory (CFT):** Postulates and application: Crystal field splitting of d-orbitals Crystal field stabilization energy (CFSE) in Tetrahedral, Square planar and Octahedral complexes, CFSE of weak and strong fields. Factors affecting the crystal field parameters. Measurement of  $10 Dq$  ( $\Delta_o$ ) and factors affecting its magnitude. Comparison of octahedral and tetrahedral coordination. Tetragonal distortions from octahedral geometry. Jahn-Teller theorem. Square planar geometry. Limitations of CFT. Qualitative aspect of Ligand field and Molecular Orbital (MO) Theory. Spectrochemical and Nephelauxetic series. Coordination number, coordination geometries of metal ions, types of ligands.

(d) **Isomerism in coordination compounds:**

**Structural isomerism:** Ionization, Linkage, Coordination-Ligand Isomerism.

**Stereo isomerism:** Geometrical isomerism: Square planar metal complexes of type-  $[MA_2B_2]$ ,  $[MA_2BC]$ ,  $[M(AB)_2]$ ,  $[MABCD]$ . Octahedral metal complexes of type-  $[MA_4B_2]$ ,  $[M(AA)_2B_2]$ ,  $[MA_3B_3]$ . Optical isomerism: Tetrahedral complexes of type-  $[MABCD]$  complexes of type-  $[M(AA)_2B_2]$ ,  $[M(AA)_3]$ .



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### UNIT- III

#### Thermodynamics

(a) **First Law of Thermodynamics:** Concept of heat (Q), work (W), internal energy (U), Statement of the first Law, Enthalpy(H), Relation between heat capacities. Calculation of Q, W,  $\Delta U$  and  $\Delta H$  under isotherm and adiabatic conditions for Reversible, Irreversible and free (ideal and Van der Waals) expansions of gas. Joule Thomson effect and its theory, Inversion temperature.

(b) **Second Law of Thermodynamics:** Carnot cycle, Statement of the Second Law of Thermodynamics. Concept of Entropy, Calculation of entropy change for Reversible and irreversible processes, Concept of residual entropy, Free energy Function: Gibbs and Helmholtz functions. Variation of entropy(S), Gibbs free energy (G), work function (A) with temperature (T), volume (V) & pressure (p). Free energy change and spontaneity, Gibbs-Helmholtz equation.

(c) **Third Law of Thermodynamics:** Nemst heat theorem and its significance, Statement of third law, Calculation of absolute entropy of substance.

**Keyword/Tag:** Thermodynamics, Law of Thermodynamics, Carnot cycle, Enthalpy, Free energy

### UNIT- IV

#### Electrochemistry

Electrical Conduction: conduction in metals and in electrolyte solutions, specific and equivalent conductance, Measurement of equivalent conductance. Effect of dilution on conductivity Migration of ions and Kohlrausch-law and its application.

Weak and strong electrolytes: Theory of Strong electrolytes, Debye-Huckel Onsagar's(DHO) theory and equation.

Transport Numbers: determination of Transport numbers by Hittorf method and moving boundary method. Electrode reactions: Nemst equation, Derivation of equation for single electrode potential. Electrode: Reference electrodes, Standard hydrogen electrode Quinhydrone, glass electrodes, Calomel electrode. Standard electrode potential, Electrochemical Series and its application. Electrochemical Cell: Nemst equation, calculation of e.m.f. of cell

**Keyword/Tag:** Electrical Transport, Conduction, DHO theory, Transport Numbers Nemst equation, Electrode, Electrochemical Series

### UNIT- V

#### Phase equilibrium

Concept phase, component and the degree of freedom, thermodynamic derivation of the Gibbs phase rule for reactive and nonreactive system.

Clausius-Clapeyron and its applications Solid-Liquid, Liquid-Vapour and Solid-Vapour equilibria.

Phase diagrams for one component system with application: water, and Sulphur. Phase diagrams for system of solid-liquid equilibria involving-Eutectic, Congruent and Incongruent melting points. Water and Sulphur system simple, Ag-Pb and Mg-Zn system, NaCl-H<sub>2</sub>O system.

Binary solution:, Raoult' law. Non-ideal system or azeotropes mixture Immiscible Liquid, Steam Distillation.

**Keyword/Tag:** Phase equilibrium, Gibbs phase rule, Clausius-Clapeyron equation Raoult's Law

**Course outcome-** By the end of this course students will be able to:-

- Develop an understanding about traditional Indian Chemistry
- Understand the concepts of chemistry of d & f block elements, basic concepts of coordination chemistry.
- Explain Stereochemistry of transition metal complexes.
- Gain a thorough knowledge about Laws of thermodynamics and thermochemistry
- Develop the concept of phase equilibrium with reference to solid solution, liquid-liquid mixture, partially miscible liquids.
- Develop an understanding about basic concepts of electrochemistry, various types of electrodes and





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St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

## St. Aloysius (Autonomous) College, Jabalpur Department of Chemistry

Class	Course Type	Course Code	Course Title (Theory/Practical)	Marks	
B.Sc. III Semester	Vocational	VI-CLN-NUTT	Nutrition and Dietetics	Max: 100	Min: 33

### Course objectives:

- To evaluate the food and food products and evaluate their nutritional value
- To apply nutritional concepts in diet planning
- To understand and apply the concept of RDA, BMI and balanced diet in healthmanagement

### Course Content:

#### Module-1 Introduction to food and nutrition

Definition of food, Functions of food, Food groups, Food guide pyramids, Food in relation to health, Definition of Nutrition, Assessment of nutritional status, Optimum or adequate nutrition, Good nutrition under nutrition, Malnutrition, Nutrients Definition, Type of Nutrients- Energy carbohydrate protein fat vitamins and minerals water(sources functions and deficiency symptoms)

#### Module-2 RDA (Recommended Dietary Allowances ICMR 2020)

General principle of deriving RDA, Practical applications of RDA, Indian standards for height and weight BMI (body mass index)

#### Module-3 Meal planning

Definition, Principle of meal planning, Menu-introduction and concept, Format for menu plant

#### Module-4 Nutrition Education

Nutrition and health education program (in brief), Tools of Nutrition education

#### Module-5 Introduction to Dietetics and Dietitian

Definition of dietetics, Area of dietetics, Role and responsibility of dietitians, Career opportunities as Dietitian

### Course Outcomes: After studying this course students will be able to:

- Understand the relationship between food, nutrition and health
- Understand the various functions of food and food groups
- Understand digestion, absorption and functions of various nutrients and their sources
- Understand importance of balanced diet to reduce risk of deficiency disease



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St. Aloysius' College, Jabalpur M.P., Department of Chemistry UG Syllabus 2023-24

## Format for Syllabus of Paper (Theory)

### Part A Introduction

Program: Degree Course	Class: B.Sc.	Year: III	Session 2023-2024
<b>Subject:- Clinical Nutrition and Dietetics</b>			
1.	Course Code	V3-CLN-NUTT	
2.	Course Title	Health Care System	
3.	Course Type (Core Course Elective/Generic Elective /Vocational .....	Vocational Course	
4.	Prerequisite (if any)	Student who passed Diploma course (Open for all).	
5.	Course Code		
6.	Course learning outcomes (CLO)	Student will understand the application of Public Health Nutrition Sciences for formulating strategies and actions for preventing and solving the serious problems. After completing this course students will be able to 1. Gain insight into National Nutritional problems community. 2. Understand the Contribution of National Agencies working towards Nutrition improvement 3. Develop skill in planning & evaluation of public nutrition programs.	
7.			



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		4. Acquaint with various approaches to public health and nutrition programs. 5. Aware and Prevention Communicable Diseases
<b>Expected Job role career opportunities</b>	After completing this course, students will be able to- 1. Become a Breastfeeding instructor 2. Become a nutrition educator 3. Become a Health project assistant for NGO's working in the field of health & nutrition. 4. Become a nutrition field worker/ survey for NRHM, NIN etc.	
7.	<b>Credit Value</b>	Theory-2
8.	<b>100 (30+70)</b>	<b>Min Passing Marks: 35</b>

Part B Content of the Course

Unit	Topics	No. of lectures
1.	<b>Public Health and Nutrition</b> 1 Introduction History and Development of Health and Nutritional Programs 2 Sectors. Authorities- <ul style="list-style-type: none"><li>Govt (Ministries) &amp; NGO's</li><li>Women &amp; Child Development (WCD)</li><li>Ministry of Health</li><li>Food Corporation of India (FCI)</li></ul> 3. Scope for nutritionist & nutrition Health professionals in different sectors (Govt. & non Govt agencies)	6

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Unit	Topics	No. of lectures
II	<b>Health Care System</b> 1. Determinants of Health Status. <ul style="list-style-type: none"><li>• Indicators of Health,</li></ul> 2. Health Care of the Community <ul style="list-style-type: none"><li>• Primary Health Care of the Community</li><li>• National Health Care Delivery System.</li></ul>	6
III	<b>Nutritional Health Problems</b> 1. Major nutritional Problems-etiology, prevalence clinical manifestations, preventive and therapeutic measures for: 1.1. Prophylaxis Program 1.2. National Tobacco Control Program 1.3. 2. Other nutritional problems- etiology, prevalence, clinical manifestations. preventive and therapeutic measures for: 2.1 Aflatoxicosis. 2.2 Alcoholism 2.3 Fluorosis.	6
IV	<b>Communicable Diseases</b> Introduction, causes, symptoms, preventions, & control programs. 1.1.Tuberculosis 1.2.Malaria 1.3. Measles 1.4.Herpes 1.5.Pneumonia 1.6.COVID-19 1.7.AIDS	6
V	<b>Nutrition programs of India</b> <ul style="list-style-type: none"><li>• Promotion of Breast Feeding</li><li>• Rashtriya Kishore Swasth Karyakram</li><li>• Nutritional Programme Of Health Care For</li><li>• Elderly</li></ul>	6





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## UNIT-I

### Historical background and Oscillations

#### 1.1 Historical background [ 12 Lectures ]

- 1.1.1 A brief historical background of mathematics and mechanics in the context of India and Indian culture.
- 1.1.2 A brief biography of Varahamihira and Vikram Sarabhai with their major contribution to science and society.

#### 1.2 Oscillations

1.2.1 SHM: Simple Harmonic Oscillations. Differential equation of SHM and its solution. Kinetic energy, potential energy, total energy and their time-average values. Damped oscillation. Forced oscillations: Transient and steady states; Resonance, sharpness of resonance; Power dissipation and Quality factor.

Keywords: SHM, Gravitation, Oscillation, Quality factor.

## UNIT-II

### Mechanics of Rigid and deformable bodies

#### 2.1 Rigid body mechanics [ 12 Lectures ]

2.1.1 System of particles and concept of Rigid body, Torque, Centre of mass: position of the centre of mass, Motion of the centre of mass, Conservation of linear & angular momentum with examples, Systems of variable mass : Single stage and multistage rocket, Conveyor belt - hoppers.

2.1.2 Rotatory motion and concept of moment of inertia, Theorems on moment of inertia: theorem of addition, theorem of perpendicular axis, theorem of parallel axis, Calculation of moment of inertia of rectangular lamina, disc, solid cylinder, solid sphere.

#### 2.2 Mechanics of deformable bodies:

2.2.1 Hook's law, Young's modulus, Bulk modulus, Modulus of rigidity and Poisson's ratio, Relationship between various elastic moduli.

2.2.2 Possible values of Poisson's ratio, Finding Poisson's ratio of rubber in the laboratory, Torsion of a cylinder, Strain energy of twisted cylinder.



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## Course Learning Outcome(CLO)

	Course Learning Outcomes	PSOs Addressed	Cognitive Level
CLO-I	Learner will be able to recollect the Specific Contributions of Indians in thermodynamics and statistical mechanics.	3,5,6	U, C
CLO-II	Learner will be able to make use of Basic concepts of thermodynamics & apply Maxwell's thermodynamic relations to derive various formulae.	1,2	U, R, E, Ap
CLO-III	Learner will be able to use and apply the idea of Micro and Macro states, Ensembles, Statistical Probability and Phase Space.	1,3,6	R, U, An, Ap, E
CLO-IV	Learner will be able to apply the idea of partition function and distribution function to classical and quantum statistics.	4,5,6	R, U, Ap, An, E

COB-Course Objective; COt – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

## UNIT-I

### Historical background & Laws of Thermodynamics

#### 1.1 Historical background: [ 12 Lectures ]

1.1.1 A brief historical background of thermodynamics and statistical Physics in the context of India and Indian culture, Contribution of S.N Bose in thermodynamics & Statistical physics.

#### 1.2 Laws of thermodynamics:

1.2.1 Thermodynamical system and thermodynamical coordinates, Thermal equilibrium, Zeroth Law of thermodynamics, The concept of path function and point function, Work done by and on the system.

1.2.2 First law of thermodynamics, Internal energy as a state function, Reversible and irreversible change, Heat engine and its efficiency, Carnot's cycle, Carnot's engine and its efficiency, Carnot's theorem, Otto engine, Otto cycle, Diesel engine, Diesel cycle.

1.2.3 Second law of thermodynamics, Statement of Kelvin-Planck and Clasius Clapeyron, Absolute scale of temperature: Zero of absolute scale, Size of degree, Identity of perfect gas scale and absolute scale.

**Keywords/Tags :** Thermodynamics, Internal energy, Heat engine, Absolute scale



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## B.Sc. III Year NEP Syllabus-2023-24

PSO No.	Programme Specific Outcomes Upon completion of these courses the student would be able to:
PSO-1	Analyse the concepts principle and theories of Physics
PSO-2	Analyse real world problems and develop mathematical equations to find acceptable solutions.
PSO-3	Develop problem solving skills and scientific reasoning by learning laboratory skills
PSO-4	Develop written and oral communication skills in communicating with diverse stakeholders.
PSO- 5	Create and collaborate in emergent physical, mathematical and computing technologies leading to innovative solutions for industry and academia.
PSO- 6	Crack various competitive exams for higher studies and employment.

### Group- A Paper- I Quantum Mechanics, Atomic and Molecular Physics

Max. Marks: 30+70

Min. Passing Marks: 35

Credit Value: 4 (60 hrs)

#### Major

#### Course Objectives

The objectives of the course are

	Course Objectives	Cognitive Level
CO-I	To understand the necessity of quantum mechanics. Develop an understanding of Concept of wave packet and wave function	U, R, An, Ap, C, E
CO -II	Learn the formulation Schrodinger wave equation and its solution under various conditions.	U, R, An, Ap, E
CO -III	Learn the concept of Quantum Numbers/ Selection rules and explanation of Spectra of Alkali/Alkaline Earth metals.	R, U, Ap
CO -IV	Learn the behavior of an atom under magnetic field and elementary idea about X-Rays.	U,R,An



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## Unit-I

### Quantum Mechanics-I [12 Lectures]

1. Quantum technology in India : National Mission on Quantum Technologies & Applications( NM-QTA)
2. Particle nature of Wave: Limitations of Classical Mechanics, Blackbody radiation; Photoelectric effect; Planck's radiation law; Compton effect.
3. Wave nature of Particle: De-Broglie hypothesis; experimental verification of De-Broglie hypothesis; concept of wave packet; concept of phase and group velocities.
4. Heisenberg's uncertainty principle, experiments for the verification of uncertainty principle, Different forms of uncertainty principle.
5. The Schrodinger wave equation: Schrodinger's time dependent and time independent equation; Physical interpretation of wave function; Probability Current Density; Equation of Continuity and its physical significance, Normalisation of the wave function.

**Keywords:** Photoelectric effect, Compton Effect, Heisenberg uncertainty principle, Schrodinger equation.

## Unit-II

### Quantum Mechanics-II [12 Lectures]

1. Operators in Quantum mechanics : Eigen functions and Eigenvalues; Hermitian operator; Position and Momentum operator; Total energy ( Hamiltonian) operator; Expectation value; Concept of parity; Parity operator; Ehrenfest Theorem.
2. Application of Schrodinger equation: Free particle; Particle in one-dimensional box; Rectangular potential barrier; Tunnel effect, Applications of tunnel effect in barrier penetration(  $\alpha$ -decay); One dimensional Harmonic Oscillator and concept of zero-point energy.

**Keywords:** Eigen function, Hermitian operator, Harmonic Oscillator.

## Unit-III

### Atomic Structure [12 Lectures]

1. Brief review of Bohr and Sommerfeld model of atom; Electron orbits; Energy levels and spectra; Vector atom model; Concepts of space quantization ; Electron spin; Stern-Gerlach experiment; One and two valence electron systems; Pauli's exclusion principle





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and electron configuration; Spectroscopic notations of energy states, Multiplicity of energy level state.

2. Spin Orbit interaction; Selection rules; Spectra of alkaline atom; Fine structure of Sodium D line; Spectral terms of two electron atoms; L-S and j-j coupling; Spectra of Helium atom; Franck-Hertz experiment.

**Keywords:** Electron orbits, Exclusion principle, Spin Orbit Interaction.

## Unit-IV

### Zeeman Effect and X-Ray Spectroscopy [12 Lectures]

1. Zeeman Effect: Early discoveries and developments; Experimental arrangements, Normal and Anomalous Zeeman Effect; Zeeman shift, Stark effect.

2. Nature and Production of X-Rays: Discrete and continuous X-ray spectra; Characteristics X-ray spectrum; Duane and Hunts rule; X-ray emission spectra; Moseley's law and its applications; Auger effect; doublet structure of X-ray spectra; X-ray absorption spectra.

**Keywords:** Zeeman effect, X-Rays, Doublet structure.

## Unit-V

### Molecular Spectroscopy [12 Lectures]

1. Molecular Spectroscopy : Various types of spectra; Quantization of Vibrational and Rotational energies; Pure Rotational spectra; Determination of Intermolecular Distance of Diatomic Molecules; Pure Vibrational Spectra of Diatomic Molecules; Electronic Spectra of Diatomic Molecules.

2. Raman Spectroscopy: Raman Effect; Stoke and Anti Stoke lines; Experimental Setup of Raman effect; Classical theory of Raman effect; Quantum theory of Raman effect; Applications of Raman effect; Electronic Spectrum; Born-Oppenheimer approximation; Franck-Condon principle; Fluorescence and Phosphorescence.

**Keywords:** Molecular Spectroscopy, Vibrational spectra, Raman effect, Electronic spectra

#### Suggested Books :

1. Beiser A. , "Concepts of Modern Physics", Mc-Graw Hill.
2. Ghatak & Loknathan, "Quantum Mechanics", McMillan.
3. Mani H S, Mehra G K, "Introduction to Modern Physics", East West Press.
4. Rajam J B, "Modern Physics", S. Chand



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St. Aloysius College (Autonomous), Jabalpur  
 Department of Higher Education, Govt. of M.P.  
 Under Graduate Syllabus for B.Sc. (Bio)  
 As recommended by Central board of Studies in Zoology  
 Class - B.Sc. III Semester  
 (Session 2023-24)

## Theory Syllabus

Part A- Introduction			
Program: Diploma	Class: B.Sc.	Year: III Sem	Session: 2023-24
Subject: Zoology			
1	Course Code	S2-ZOOL1T	
2	Course Title	Diversity of Chordates and Comparative Anatomy	
3	Course Type	Core Course-Major	
4	Pre-requisite (if any)	To study this course, a student must have had the subject Zoology in class B.Sc. III Sem	
5	Course Learning outcomes (CLO)	After completion of the course the students will able to: 1. Understand chordate diversity of animals and their taxonomic positions. 2. Identify the morphological and anatomical features and basis of chordate classification. 3. Know economic importance and present status that will develop positive attitude towards conservation of biodiversity. 4. Differentiate the organism belonging to different taxa, by studying comparative anatomy. 5. The project, assignment will give them a flavor of research in studying biodiversity, taxonomy besides improving their writing skills and lay foundation of career in Zoology.	
6	Credit Value	4	
7	Total Marks:	Max. Marks: 60+40	Min. Passing Marks:35
Part B – Content of the course			
Total No of lectures-Tutorials-Practical: 02 hours per week			
L.T.P- No. of Lectures = 60			
Unit	Topics	No. of Lectures	
1	1. Introduction to Chordates 1.1 Traditional Knowledge on Animal Science in ancient Indian Civilization 1.2 Origin of Chordates, General characteristics and outline classification of Phylum Chordata up to orders according to Parker and Haswell, Seventh Edition	12	
	2. Protochordata 2.1 General characteristics and classification of Sub- Phylum Urochordata and Cephalochordata. 2.2 Type study of Herdmania and retrogressive metamorphosis in ascidian tadpole.		

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	<p>2.3 Type study of Amphioxus and its Affinities.</p> <p>3. Agnatha</p> <p>3.1 Comparison of Petromyzon and Myxine.</p> <p>Keywords/Tags: Chordata, Herdmania, Amphioxus, Cephalochordata, Petromyzon.</p>	
II	<p>1. Pisces</p> <p>1.1. General characteristics and classification of Pisces.</p> <p>1.2. Accessory respiratory organs, Parental care in fishes.</p> <p>2. Amphibia</p> <p>2.1 General characteristics and classification of Amphibia.</p> <p>2.2 Parental Care in Amphibia and Paedomorphosis</p> <p>3. Reptilia</p> <p>3.1. General Characteristics and classification of Reptilia.</p> <p>3.2. Difference between Poisonous and Non-Poisonous snakes, Venom and Antivenom</p> <p>3.3. Poison apparatus and biting mechanism in snake.</p> <p>Keywords/Tags: Pisces, Parental care, Amphibia, Reptiles, Poison apparatus.</p>	12
III	<p>1. Aves</p> <p>1.1 Brief Introduction of "Birdman" of India - Dr. Salim Ali</p> <p>1.2 General characteristics and classification of Aves.</p> <p>1.3 Migration of birds, principles and aerodynamics of flight.</p> <p>1.4 Flight adaptation in birds.</p> <p>2. Mammalia</p> <p>2.1 General characteristics and classification of mammals.</p> <p>2.2 Adaptive radiation in mammals with reference to locomotory appendages.</p> <p>2.3 Introduction of ZSI (Zoological Survey of India)</p> <p>Keywords/Tags: Aves, Aerodynamics, Flight Adaptation, Mammalia, Adaptive Radiation, Locomotory Appendages.</p>	12
IV	<p>Comparative Anatomy of Vertebrates.</p> <p>1. Comparative study of integument and its derivatives of Vertebrates.</p> <p>2. Comparative study of appendicular skeleton (Limb and girdles) of Vertebrates.</p> <p>3. Comparative study of digestive system of Vertebrates.</p> <p>4. Comparative study of respiratory system of Vertebrates</p> <p>Keywords/Tags: Integument, Derivatives, Girdles, Digestive System, Respiratory System.</p>	14
V	<p>Comparative Anatomy of Vertebrates.</p> <p>1. Comparative study of aortic arches and heart of Vertebrates.</p> <p>2. Comparative study of Brain of Vertebrates.</p> <p>3. Comparative study of Urinogenital System of Vertebrates</p> <p>4. Study of Eye and Ear of mammals</p> <p>Keywords/Tags: Heart, Brain, Kidney, Urinogenital System, Eye, Ear.</p>	10

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# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

St. Aloysius College (Autonomous), Jabalpur  
Department of Higher Education, Govt. of M.P.  
Under Graduate Syllabus for B.Sc. (Bio)  
As recommended by Central board of Studies in Zoology  
Class - B.Sc. IV Semester  
(Session 2023-24)

Theory Syllabus		Part A- Introduction		
Program : Diploma		Class: B. Sc.	Year: IV Sem	Session: 2023-24
Subject: Zoology				
1	Course Code	S2-ZOOL2T		
2	Course Title	Physiology and Biochemistry		
3	Course Type (Core)	Core course-Major		
4	Pre-requisite (if any)	To study this course, a student must have had the Subject Zoology in class B.Sc.IV		
5	Course Learning outcomes (CLO)	Upon completion of the course, Students will be able to 1 How organs function at different levels i.e. from cellular to system levels. 2 Examine internal harmony of different body systems by learning inherent disorders and deficiencies, which is needed to maintain good health. 3 Understand functions of biomolecules & their role in metabolism by studying biochemistry. 4 Develop a strong foundation for research & employability skills 5 Improve the student's perspective of health biology through deep study of physiology.		
6	Credit Value	4		
7	Total Marks	Max. Marks: 60+40		
Part B — Content of the Course				
Total No. of Lectures-Tutorials-Practical : (2 Hours per Week) L-T-P : No. of Lectures= 60				
Unit	Topics			No. of Lectures
1	Introduction and Historical background of Physiology and Biochemistry Biomolecules and Regulatory mechanism			12
	1. Contribution of Indian Scientists 1.1 Contribution of Charak 1.2 Contribution of Sushrut			
	2. Biomolecules 2.1 Micro and Macro molecules 2.2 water and Buffer system			
	3. Enzymes 3.1 Definition and General Properties 3.2 Nomenclature and Classification and functions 3.4 Mechanism and Regulation of Enzyme action 3.5 Co-Enzyme			
	4. Vitamins and Minerals 4.1 Types and Sources 4.2 Biological importance 4.3 Deficiencies and Disorders			
	Key words/Tags : Biomolecules, Buffer system, Enzymes, Vitamins.			

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II	<p><b>Metabolism, Physiology and Regulation</b></p> <p><b>1. Protein</b></p> <p>1.1 Structure, Nomenclature, Classification and Biological importance.</p> <p>1.2 Metabolism -Deamination, Decarboxylation, Transamination of amino acids and Ornithine cycle</p> <p><b>2. Carbohydrates</b></p> <p>2.1 Structure, Nomenclature, Classification and Biological importance.</p> <p>2.2 Metabolism -Glycogenesis, Gluconeogenesis, Glycogenolysis, Glycolysis, Citric Acid Cycle and Electron Transport Chain</p> <p><b>3. Lipids</b></p> <p>3.1 Structure, Classification and Biological importance</p> <p>3.2 Metabolism -Beta oxidation of fatty acids.</p> <p>4. Physiology of Digestion, regulation and disorders wsr Gastroenteritis &amp; Constipation.</p> <p>5. Homeostasis and Basal Metabolic Rate (BMR)</p> <p>6. Thermoregulation</p> <p><b>Key words/Tags:Proteins, Carbohydrates, Krebs cycle, Digestion, Homeotherms</b></p>	14
III	<p><b>Respiration, Excretion and Immune System</b></p> <p><b>1. Respiration</b></p> <p>1.1 Mechanism -Inspiration and Expiration</p> <p>1.2 Physiology- Exchange and Transport of Gases (Oxygen and carbon dioxide), Chloride shift, role of Respiratory pigment.</p> <p>1.3 Disorders - Apnea, Hypoxia, Asphyxia, Carbon monoxide poisoning, Bronchitis, Asthma</p> <p><b>2. Excretion</b></p> <p>2.1 Physiology -Urea, Urine formation and Counter Current mechanism</p> <p>2.2 Excretory products, disorders</p> <p>2.3 Osmoregulation</p> <p><b>3. Immunity</b></p> <p>3.1 Innate and acquired Immunity</p> <p>3.2 Immune cells and Immunoglobulins</p> <p>3.3 Antigen responses</p> <p><b>Key words/Tags: Chloride shift, Excretion, Urea, Immunity, Antigen</b></p>	12
IV	<p><b>Neuromuscular Co-ordination</b></p> <p><b>1. Nerves</b></p> <p>1.1 Structure and type of Neurons</p> <p>1.2 Physiology of nerve impulse conduction</p> <p>1.3 Neuromuscular disorders -Epilepsy, Alzheimer's and Parkinson's disease</p> <p><b>2. Muscles</b></p> <p>2.1 Structure and type of muscles</p> <p>2.2 Physiology of muscles contraction and its Biochemistry</p> <p>2.3 Muscular disorders - Fatigue</p> <p><b>Key words/Tags: Neuron, Impulse conduction, Muscle.</b></p>	10

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Under Graduate Syllabus for B.Sc. (Bio)

As recommended by Central board of Studies in Zoology

Class - B.Sc. III Year

(Session 2023-24)

Theory Paper

Part A Introduction			
Program: Degree	Class : B.Sc	Year :III	Session :2023-24
Subject : Zoology			
1	Course Code	S3-ZOOLID	
2	Course Title	Aquaculture (Paper -I) Group-A	
3	Course Type (Core Course /Elective/Generic Elective/ Vocational/...)	Discipline Specific Elective (DSE)	
4	Pre-requisite (if any)	To study this course ,a student must have had the subject Zoology in Diploma.	
5	Course Learning Outcome (CLO)	On Completion of this course, learners with be able to: 1. Identify Aquaculture and its scope in India. 2. Recognize the different economically important fishes and other culturable fauna. 3. Identify the details of different steps involved in Aquaculture. 4. Identify the profitability of the culture and identify the fields of Aquaculture which generate self-employment.	
6	Credit Value	4	
7	Total Marks	Max. Marks : 30+70	Min. Passing Marks – 35

### Part B- Content of the Course

Total No. of Lectures – Tutorials – Practical (2 hour per week): L-T-P: 60

Unit	Topic	No. of Lectures
1	Aquaculture 1.1. Definition, History and Indian Traditional knowledge of Aquaculture. 1.2. Planning for higher Aquaculture productivity. 1.3. Present strategies and future policies. 1.4. Problems of Aquaculture. 1.5. Importance of Aquaculture- as food and as non-food products. 1.6. Aquaculture resources in India. 2. Common Aquatic Weeds and its control. Key words: Aquaculture, Aquatic Weeds.	10

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II	<ol style="list-style-type: none"><li>1. Prawn Culture</li><li>1.1. History of Prawn Culture.</li><li>1.2. Prawns of commercial value.</li><li>1.3. Biology of fastest growing species of freshwater Prawn.</li><li>1.4. Different stages of lifecycle.</li><li>1.5. Culture technology.</li><li>1.6. Methods of Prawn Fishing.</li><li>1.7. Preservation and processing of Prawns.</li><li>1.8. Parasite and diseases of Prawns and its control.</li><li>2. Aquatic Insects.</li><li>2.1. Introduction of Aquatic Insects.</li><li>2.2. Control of Predatory Insects.</li></ol> <p>Keywords: Prawn Culture, Aquatic Insects.</p>	12
III	<ol style="list-style-type: none"><li>1. Edible Oyster Culture</li><li>1.1. Culturable species of Oysters and their distribution.</li><li>1.2. Biology of Oyster.</li><li>1.3. Oyster culture technique.</li><li>1.4. Rearing and harvesting of Oyster.</li><li>1.5. Preservation of Oyster.</li><li>1.6. Use of Oysters and its shell.</li><li>2. Pearl Culture</li><li>2.1. History of Pearl culture and pearl producing sites.</li><li>2.2. Pearl producing animals.</li><li>2.3. Biology of pearl oyster.</li><li>2.4. Process of Pearl formation.</li><li>2.5. Pearl culture techniques.</li><li>2.6. Composition, types of pearls and its enemies.</li></ol> <p>Keywords: Oyster culture and pearl culture.</p>	12
IV	<ol style="list-style-type: none"><li>1. Fresh water edible fishes of India.</li><li>1.1. Biology of major carp fishes, minor carp fishes, cat fishes, live fishes and miscellaneous fishes.</li><li>2. Marine water edible fishes of India.</li><li>2.1. Hilsa, Eel, Sardines, Pomfrets, Mackerel, Bombay duck,</li><li>3. Carp culture</li><li>3.1. Introduction and History of carp culture.</li><li>3.2. Qualities of cultures fishes.</li><li>3.3. Reason and achievements of carps culture in India.</li><li>3.4. Resources of crap culture in India.</li><li>3.5. Carp culture techniques-Indian, Chinese and European system.</li><li>3.6. Types of ponds and its management.</li><li>3.7. Procedure of carp culture.</li><li>3.8. Methods of catching of carps.</li><li>3.9. Transport of fishes open type and close type.</li><li>3.10. Diseases, control and carp fishes' health management.</li><li>3.11. Fish preservation processing and marketing.</li></ol> <p>Keywords: Carp culture, Marine Fishes, Freshwater Fishes.</p>	14

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*Dr. Mahesh Kumar*



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V	<p>1. Aquarium 1.1 Introduction and History of Aquarium. 1.2 Types of Aquarium tree and fixed. 1.3. Requisites for fabrication of aquarium. 1.4. Types of significance of aquatic plants. 1.5. Types of aquarium fishes.</p> <p>2. Plankton 2.1 Definition and History of Plankton. 2.2. Classification of plankton – based on their origin, size, lifecycle and their habitat. 2.3. Groups of phytoplankton and zooplankton. 2.4. Role of plankton and fisheries.</p> <p>3. Polyculture 3.1 Identification and history in fisheries. 3.2 General idea and history of Polyculture. Keywords: aquarium, Plankton, Polyculture</p>	12
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### Part C – Learning Resources

#### Text Book , Reference Books , Other resources

##### Suggested Readings:

1. Pillay, T.V.R., "Aquaculture- Principle & Practice", Wiley Int.
2. Santhanan, E., Sukumaran, N, Natarajan, P, "A Manual of Fresh Water Aquaculture", Oxford IBH
3. Rath, RK "Freshwater Aquaculture", Scientific publishers, Jodhpur, 1993
4. Shukla, G S. Upadhyay. V B. "Economic Zoology", Rastogi Publication, Meerut, 2014
5. Sarkar, S. Kundus. G, Chaki, K, "Introduction to Economic Zoology", NCBS
6. Vishwapremi, K K C, "Economic Zoology", Anmol publication pvt. Ltd. New Delhi, 1995
7. Pillai, NGK, "Marine fishery and mariculture in India", Narendra publishing house, Delhi
8. Books Published by MP Hindi Granth Academy, Bhopal

##### Suggestive digital platforms web Links

1. Aquaculture-  
<https://igor.crew.c-base.org/aquaculture.pdf>
2. Applied Zoology-  
[https://books.google.co.in/books?id=BjJN11\\*UjbEC&printsec=frontcover&source=gbs\\_summary\\_r&cad=0#v=onepage&q&f=false](https://books.google.co.in/books?id=BjJN11*UjbEC&printsec=frontcover&source=gbs_summary_r&cad=0#v=onepage&q&f=false)

##### Suggestive equivalent on line courses

1. <https://www.fao.org>pfem?news>details>
2. <https://www.openlearning.com>course>
3. <https://www.udemy.com>topic>aquaculture>
4. <https://www.Swayam> online courses
5. UNIMAS MOOC : Aquaculture
6. <https://www.mphindigranthacademy.org/>

*Prof. Dr. P. K. Mishra*  
*19/11/23*  
*Dr. R. K. Singh*  
*V. Anand Singh*  
*Ruma*





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Class - B.Sc. III Year

(Session 2023-24)

## Theory Paper

### Part A Introduction

Program: Degree	Class: B.Sc	Year: III	Session :2023-24
Subject: Zoology			
1	Course Code	S3-ZOOL2D	
2	Course Title	Wild Life Conservation and Management (Paper-II) Group-A	
3	Course Type (Core Course /Elective/Generic Elective/ Vocational/...)	Discipline Specific Elective (DSE)	
4	Pre-requisite (if any)	To study this course, a student must have had the subject Zoology in Diploma.	
5	Course Learning Outcome (CLO)	Upon completion of the course, students will  1. Identify and realize the values of wild animals, forests and the rare, threatened and endangered species of wildlife. 2. Gain knowledge of conservation of forest and wild animals (Ex situ and In situ) 3. Identify the role of local and tribal communities in protected areas. 4. Know the opportunities of employment in the field of wild life. 5. Develop an understanding for wise use and management of natural resources.	
6	Credit Value	4	
7	Total Marks	Max. Marks : 30+70	Min. Passing Marks – 35

### Part B- Content of the Course

Total No. of Lectures – Tutorials – Practical (2 hour per week): L-T-P: 60

Unit	Topic	No. of Lectures
I	1. Introduction to Wildlife and Conservation  1.1 Historical background of wildlife. 1.2 Values of wild life and valuable products of forests and wild animals. 1.3 Important wild animals of India. 1.4 Causes of extinction of forests and wild life. (a) Direct destruction (b) Indirect destruction 1.5 Importance and necessity of conservation of wild life and forests. 1.6 Principles of conservation and management.	12

*Prof. M.A. 23* *Prof. N.J. 23* *V. Anand* *Rama.* *Dot*



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	1.7 Conservation ethics and World wildlife conservation strategies.	
	Keywords/Tags: Wildlife, Estimation, Values, Conservation, Strategy	
II	<p>1. Wild Life Conservation Measures in India</p> <p>1.1 Indian board for wildlife and wild life protection act. 1.2 Indian forest laws and their amendments, Indian forest act, Forest conservation act and Forest legislation of India.</p> <p>1.3 National organizations - Govt. and non-Govt. organisation for wildlife conservation.</p> <p>1.4 International organizations - IUCN, WWF.</p> <p>1.5 Wild life conservation measures. Ex situ conservation - Rehabilitation centers in situ conservation - Protected Areas.</p> <p>1.6 Important features, Flora and Fauna of protected areas. 1.7 National Parks, Sanctuaries and Biosphere Reserves of India.</p> <p>1.8 Methods of conservation and tracking of large territorial vertebrates-camera traps, mark and recapture techniques, trail camera, computer vision.</p> <p>2. Wildlife and important Tiger Reserves of M.P.</p> <p>2.1 Management challenges in Tiger Reserves.</p> <p>Keywords/Tags: Organizations', National parks, Protected areas, Methods, Large territorial animals.</p>	12
III	<p>1. Threatened and Endangered Species</p> <p>1.1 Major threats to wild life.</p> <p>1.2 Concept of threatened species.</p> <p>1.3 IUCN categories of threatened plants and animals - Endangered, Vulnerable, Rare, Threatened, Out of danger, Intermediate species.</p> <p>1.4 Special projects for endangered species - Project Tiger, Gir Lion Project.</p> <p>1.5 Musk Deer Project, Crocodile Project and Elephant Project.</p> <p>1.6 Biotelemetry and its utility in wildlife.</p> <p>Keywords/Tags: Threats, Projects, Endangered, IUCN Categories, Biotelemetry</p>	12
IV	<p>1. Population Estimation</p> <p>1.1 Estimation and Computation of Population density, Natality, Birth rate, Mortality and sex ratio.</p> <p>1.2 Census method for density estimation of wild animals-</p> <p>1.3 Direct count method- Vehicle transect or road count method, King's census</p> <p>1.4 Indirect count method - Identification of Pug Marks, Hoof marks, Hair, Scats, Pellet groups, Nest, Antlers</p> <p>1.5 Faecal analysis of Ungulates and Carnivores.</p> <p>1.6 Management planning of wildlife in protected areas, estimation of carrying capacity.</p> <p>2. Ecotourism / Wild life Tourism in forests</p> <p>2.1 Anthropogenic activities and livelihood of local communities in Reserved Forest Areas.</p>	12

*Prof. Anil B. Sharma, Anand Singh, etc.*



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	Keywords/Tags: Population, Estimation, Pug Marks, Ecotourism, Local Communities.	
V	<p>1 Management of Habitat and Animal Health</p> <p>1.1 Care of injured and diseased animal. Equipment for locating, capture, handling and treatment of injured animal.</p> <p>1.2 Common diseases of wild animals.</p> <p>1.3 Translocation of animals, Quarantine measures and Quarantine act.</p> <p>1.4 Importance of forests, their conservation measures and management.</p> <p>1.5 Remote sensing and GIS.</p> <p>Food, Forage, Cover, Browse and Cover Estimation.</p> <p>1.6 Role of Tribal Communities in Management of Forest areas. Management challenges in Tiger Reserves.</p> <p>1.7 Elementary Idea of wild life forensics.</p> <p>1.8 Opportunities of employment in Reserve Forest Areas.</p>	14
	Keywords/Tags: Diseases, Remote sensing, GIS, Translocation, Quarantine act, Employment.	

## Part C – Learning Resources

### Text Book , Reference Books , Other resources

1. Babel, B.L. (Forest & Wildlife protection), Hindi, 4th edn., Eastern Book Company, 2014.
2. Kotwal, P.C. and Gopal, Rajesh. Radio-telemetry and field observations on territoriality of tigers in Kanha National Park. Vol. 22: No. 4 Oct.-Dec. 1995.
3. Kotwal, P.C. Immobilisation of wild animals-Equipments, Drugs and Techniques. Kanha National Park and Project Tiger, Mandla, M.P., India. 1982.
4. Kotwal, P.C., Evaluation of Wildlife Habitats. Parameters and Procedures. Workshop on Wildlife Management, Kanha, 1982.
5. Khetrapal, B.S. & Khetrapal, Puja: 1972 (Wildlife Protection Act.1972) Puja Law House, Indore.
6. Mathur, R.: Wildlife Conservation & Management, Rastogi Publications, 2018.
7. Mills, L. Scott: Conservation of Wildlife Populations, 2nd edn., Wiley Black well: Demography, Genetics & Management, 2009.
8. Kotwal P.C.: Biodiversity and Conservation. Agro Bios, Jodhpur, India, 1998.
9. Rajesh Gopal: Fundamentals of Wildlife Management, English. Natraj Publisher, Dehradun, 2011
10. Saharia, V.B., Wildlife in India Dehra Dun. Natraj Publishers, Dehradun, 1982.
11. Saharia, V.B., Guidelines for the preparation of Management Plans for Sanctuaries and National Parks. Natraj Publisher, Dehradun, 1983.
12. Tiwari, S.K., Wildlife in Central India. 3 Vols, Sarup & Sons Publishers, New Delhi, 2004.
13. Shukla, C.P.: Raj Publication, New Delhi, 2016. 14. Shukla, G.S. & Upadhyay, V.B.: Economic Zoology 4th edn English, Rastogi Publications, Meerut, 2001.
15. Shukla, G.S. & Upadhyay, V.B.: vkfKzD izkf.kfoKku 4<sup>th</sup> edn Hindi, Rastogi Publications, Meerut, 2001.
16. Books Published by MP Hindi Granth Academy, Bhopal.

#### Suggestive digital platforms web links:

1. <https://www.inflibnet.ac.in/e-books>
2. <http://vlc.du.ac.in>
3. <http://wienvis.nic.in>
4. <https://www.mpbindigranthacademy.org/>





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## Practical Paper

### Part A Introduction

Program: Degree	Calss : B.Sc	Year :III	Session :2023-24
Subject : Zoology			
1	Course Code	S3-ZOOL2Q	
2	Course Title	Importance of Wildlife (Paper-III) Group-A	
3	Course Type (Core Course /Elective/Generic Elective/ Vocational/...)	Discipline Specific Elective (DSE)	
4	Pre-requisite (if any)	To study this course ,a student must have had the subject Zoology in Diploma.	
5	Course Learning Outcome (CLO)	Upon completion of the course, students will -  1. Acquire visual knowledge of wild animals. 2. Gain information of conservation methods of wild Animals and Forests (tree and shrubs) 3. Have knowledge equipment used in the field work of wild life. 4. Become acquainted with wild animals and their behavior. 5. Learn to visually recognize and estimate the population of wild life	
6	Credit Value	2	
7	Total Marks	Max. Marks : 100	Min. Passing Marks – 35

### Part B- Content of the Course

Total No. of Lectures – Tutorials – Practical (2 hour per week): L-T-P: 30

Unit	Topic	No. of Lectures
I	Study of Endangered & Threatened species of Wild Animals.	2
II	Study of National Parks - Kanha, Bandhavgarh, Pench. Sanctuaries Bori, Ratapani, Gandhisagar Biosphere Reserves - Pachmarhi, Panna, Achanakmar.	4
III	Demonstration of use of Tags, Collars, Radio tracking equipment, Biological sampling, preservation and transport of samples.	4
IV	Identification of Fauna - Mammalian Fauna, Avian Fauna, Herpeto Fauna (wildlife)	2
V	Identification, demonstration, use, care and maintenance of basic equipment needed for wildlife study- Compass, Binoculars, Spotting scope, Range finders, various types of Camera and lenses.	4
VI	Familiarisation and study of animal evidences in the field by Pug Marks, Hoof marks, Nest, Antlers and Pellet groups.	4
VII	Study and estimation of diversity of Mammals and Birds	2
VIII	Faecal Analysis	2
IX	Tree canopy, cover assessment and shrubs cover assessment	2
X	Field visit and report	4

Keywords/Tags: National Park, Identification, Pug Marks, Tree, Visit

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As recommended by Central board of Studies in Zoology

Class - B.Sc. III Year

(Session 2023-24)

Theory Paper

Part A Introduction			
Program: Degree	Calss : B.Sc	Year :III	Session :2023-24
Subject : Zoology			
1	Course Code	S3-ZOOL3D	
2	Course Title	Insect Taxonomy and Applied Entomology (Paper-I) Group-B	
3	Course Type (Core Course /Elective/Generic Elective/ Vocational/...)	Discipline Specific Elective (DSE)	
4	Pre-requisite (if any)	To study this course ,a student must have had the subject Zoology in Diploma.	
5	Course Learning Outcome (CLO)	On completion of this course, learners will be able to-  1 Learn about the taxonomy, Morphology and Anatomy of Insect 2 Identify the importance of insect as Beneficial and Harmful Pests of different crops, forest, medical and veterinary field with their control measures. 3 Get Self Employment in the field of Silk, Honey and Lac Production 4 Identify the nutritive value of the insects. 5 Identify ecological services of insects and its role in agriculture.	
6	Credit Value	4	
7	Total Marks	Max. Marks : 30+70	Min. Passing Marks - 35
Part B- Content of the Course			
Total No. of Lectures – Tutorials – Practical (2 hour per week): L-T-P: 60			
Unit	Topic	No. of Lectures	
1	1. Introduction of Insect  1.1 History of Insect biology. Identifying characters and outline classification of class - Insecta upto orders. a. Diagnostic features with example of Insect orders - Isoptera, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, Lepidoptera, Diptera.  2. General Morphology of an insect (Periplaneta) Antennae, mouth parts, Legs, Wings, Genitalia. 1. General Anatomy of an insect (Periplaneta) -Digestive System, Excretory System, Nervous System and Reproductive system. 2. Ecological services of Insect.	14	

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	3. Role of Insect in Agriculture (Direct & Indirect)	
II	<b>Beneficial Insects</b>  1. Sericulture 1.1 History of Sericulture, Systematic position, Silk producing moths (mulberry and non mulberry) 1.2 Mulberry Silkworm - lifecycle of Bombyx mori 1.3 Sericulture Industry and its management. 1.4 Diseases and enemies of silkworm. 1.5 Uses of Silk and Sericulture in India.  2 Apiculture 2.1 History of Apiculture, classification and species of Honeybee. 2.2 Social organization, division of labor and lifecycle of Honeybee. 2.3 Bee keeping methods and equipments. 2.4 Diseases and enemies of Honeybee. 2.5 Products, its uses and Apiculture in India.  3 Lac Culture 3.1 History of Lac culture, Systematic position, structure of lac insect. 3.2 Lifecycle of lac insect and host plants. 3.3 Varieties and crops of lac. 3.4 Cultivation of lac and enemies of lac insect. 3.5 Uses of lac and Lac industry in India.  4 Edible Insects - Locust, Termite, Grasshopper, Beetles, Caterpillars and Bees.  Keywords: Sericulture, Apiculture, Lac culture, Edible Insects	14
III	<b>Important Insect pest of Crop and Forestry</b> Classification, Lifecycle, Diseases and Control measures-  1. Crop pest 1.1 Sugarcane pest - Pyrilla perpusilla 1.2 Fruit pest - Amritodus alkensoni 1.3 Polyphagus pest - Schistocerca gregaria 2 Forest pest 2.1 Sal borer - Hoplocerambyx spinicornis 2.2 Bamboo borer - Dinoderus brevis 2.3 Common forest beetle - Sinoxylon sps. 3 Insect and Plant interaction  Keywords: Crop Insect pest, Forest Insect pest.	10
IV	<b>Pests of Medical and Veterinary Importance</b>  1. Pests of Medical importance 1.1 Mode of transmission 1.2 Common vector insect distribution, host, characters, lifecycle, diseases and their control. a. Housefly Musca domestica b. Mosquitoes - Culex, Anopheles and Aedes 1.3 Distinguished characters of Culex, Anopheles and Aedes.	10

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	<p>2. Pests of Veterinary importance</p> <p>2.1 Insect parasitism</p> <p>2.2 Distribution, host, characters, lifecycle, host pest interaction, diseases and their control.</p> <p>a. Horsefly - Tabanus sps.</p> <p>b. Stable fly - Stomoxys sps.</p> <p>c. Cattle blood sucking louse - Linognathus sps.</p> <p>Keywords Pests of Medical importance, Pest of veterinary importance.</p>	
V	<p>1. Insect pest control</p> <p>1.1 Natural control</p> <p>1.2 Artificial (applied/chemical) control</p> <p>1.3 Biological control</p> <p>1.4 Integrated pest management. (IPM)</p> <p>1.5 Equipment for insecticidal application and their maintenance.</p> <p>1.6 Safety precautions by insecticides.</p> <p>Keywords: Insect pest control, Biological control, IPM.</p>	12

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M.Sc. Zoology II Semester  
Session 2023-24  
ELECTIVE COURSE  
Environment & Biodiversity Conservation

MM : 40

Unit I -

- Scope of Environmental Science
- Environmental monitoring and impact assessment.
- Water conservation wsr rain water harvesting and water shed management.
- Soil Problem in India and its management.

Unit II -

- Agriculture pollution
- Effects of Agricultural Practices on Biodiversity

Basic concepts of Bioaccumulation.

Environmental legislation.

Unit III

- Impact of global warming wsr acid rains and ozone depletion, green house effect.  
Control measures of global warming wsr (a) Afforestation (b) reduction in the use of CFCS.
- Disaster management wsr floods, earthquake and landslides.

Unit IV

- Use and over exploitation of Natural Resources wsr forests and water.
- Integrated forest management programmes in India
- Dams- benefits and problems
- Environmental effect of extracting and using mineral resources

Unit V

- World food problem wsr Role of genetic modified food as solution
- Using of alternate energy sources
- Biodiversity crisis wsr habitat degradation and poaching of wild life.
- Role of National Bureau of Animal Genetic Resources (NBAGR) in conservation of indigenous livestock biodiversity.

Suggested Readings -

1. Arora : Fundamentals of environmental biology
2. Anathakrishnan : Bioresources ecology
3. Bottain : Environmental studies
4. Bouhey : Ecology of populations
5. Clark : Elements of ecology
6. Dowdoswell : An introduction to animal ecology
7. Goldman : Limnology
8. Kormondy : Concepts of ecology
9. May : Model ecosystems
10. Odum : Ecology
11. Perkins : Ecology
12. Simmons : Ecology of estuaries and costal water
13. Pawlosuske : Physico-chemical methods for water
14. South Woods : Ecological methods
15. Trivedi and Goel : Chemical and biological methods for water pollution studies
16. Willington : Fresh water biology
17. Wetzel : Limnology
18. Welch : Limnology Vols. I-II





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M.Sc. Zoology III Semester  
Session 2023-24  
CORE COURSE  
Paper IV – Aquaculture

Max M: 60

Unit-1	<ol style="list-style-type: none"><li>1. Aquaculture: history, definition, scope &amp; importance.</li><li>2. Inland Fisheries resources of MP- wrt Narmada</li><li>3. Riverine fisheries- Ecology and Fishes of Major River Systems wrt Ganga, Brahmaputra, East coast river system, Godavari and Cauvery river systems.</li><li>4. Cold water fisheries in India.</li><li>5. Coastal fisheries in India.</li><li>6. General ecological characteristics of reservoirs of India.</li></ol>
Unit-2	<ol style="list-style-type: none"><li>1. Fish culture wrt Mono and Poly/ Mixed/ Composite Fish culture.</li><li>2. Fresh Water Prawn Culture and its prospects in India.</li><li>3. Culture of Oysters</li><li>4. Pearl culture and Pearl industry.</li><li>4. Frog culture.</li></ol>
Unit-3	<ol style="list-style-type: none"><li>1. Overview of Integrated fish culture</li><li>2. Paddy cum fish culture</li><li>3. Sewage fed fish culture.</li><li>4. Brackish water culture.</li><li>5. Cage Culture</li></ol>
Unit-4	<ol style="list-style-type: none"><li>1. Fresh water fish farm Engineering: Selection of site, soil chemistry of fish farm, designing of fish farm, Layout &amp; construction of fish farm.</li><li>2. Types of fish ponds.</li><li>3. Setting and management of fresh water aquarium wrt feeding and Nitrogen cycle</li><li>4. Aquarium fishes –Types and characteristics, Breeding of aquarium fishes.</li><li>5. Different types of crafts and gears in fisheries</li></ol>
Unit-5	<ol style="list-style-type: none"><li>1. Water pollution, its effects on fisheries and methods of its abatement.</li><li>2. Common fish diseases &amp; their control.</li><li>3. Biochemical composition and nutritional value of fishes.</li><li>4. Nutrigenomics and immune function in fishes.</li></ol>

*For* 24/7/23  
24/7/23  
*Rama*  
*Shruti*  
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Class: B.Sc. I Sem	Subject: Mathematics	Session 2023-24
Course Code	S1-MATH 1T	
Course Title	Algebra, Vector Analysis and Geometry	
Course Type	Major/ Minor	
Pre- requisite (if any)	To study this course a student must have had the subject Mathematics in class 12 <sup>th</sup>	
Course Learning Outcomes	The course will enable the student to: 1. Recognize consistent and inconsistent systems of linear equation by the row, echelon from the augmented matrix, using the rank of matrix 2. To find the Eigen values and corresponding Eigen vectors for a square matrix. 3. Using the knowledge of vector calculus in geometry 4. Enhance knowledge of three-dimensional geometrical figure (Cone and Cylinder)	
Credit Value	6	
Total Marks	Max. Marks 40+60	

Unit	Topics	No. of Lectures
I	1.1 Historical Background: 1.1.1. Development of Indian Mathematics: Later Classical Period (500-1250) 1.1.2. A brief biography of Varahamihira and Aryabhata	15
	1.2 Rank of a Matrix	
	1.3 Echelon and Normal Form of Matrix	
	1.4 Characteristic Equations of a Matrix	
	1.4.1 Eigen values	
	1.4.2 Eigen vectors	
II	2.1 Cayley's Hamilton Theorem	18
	2.2 Application of Cayley's Hamilton Theorem to find the inverse of a matrix	
	2.3 Application of matrix to solve a system of linear equations	

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Class: B.Sc. II Sem	Subject: Mathematics	Session 2023-24
Course Code	S1-MATH 2T	
Course Title	Calculus and Differential Equations	
Course Type	Elective	
Pre-requisite (if any)	To study this course a student must have had the subject Mathematics in class 12 <sup>th</sup>	
Course Learning Outcomes	The course will enable the student to: 1. Sketch curves in a plane using its mathematical in the different coordinate system of reference. 2. Using the derivatives in Optimization Social sciences, Physics and Life sciences etc. 3. Formulate the Differential equations for various Mathematical models. 4. Using techniques to solve and analyze various Mathematical models.	
Credit Value	6	
Total Marks	Max. Marks 40+60	

Unit	Topic	No. of Lectures
1	1.1 Historical Background: 1.1.1. Development of Indian Mathematics: Ancient and Early Classical Period (till 500 CE) 1.1.2. A brief biography of Bhaskaracharya (with special reference to Lilavati and Madhava) 1.2 Successive differentiation 1.2.1. Binomial theorem 1.2.2. Maclaurin's series expansions 1.2.3. Taylor's series expansions 1.3. Partial Differentiation 1.3.1. Partial derivative of higher order 1.3.2. Euler's theorem on homogeneous functions 1.4 Asymptotes 1.4.1. Asymptotes of algebraic curves	15

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	1.4.2	Conditions for existence of Asymptotes	
	1.4.3	Parallel Asymptotes	
	1.4.4	Asymptotes of polar curves	
II	2.1	Curvature	18
	2.1.1	Formula of radius of Curvature	
	2.1.2	Curvature at origin	
	2.1.3	Centre of Curvature	
	2.2	Integration of transcendental functions	
	2.3	Introduction to Double and Triple Integral	
	2.4	Reduction formulae	
III	3.1	Linear differential equations	18
	3.1.1	Linear equations	
	3.1.2	Equations reducible to the linear form	
	3.1.3	Change of variables	
	3.2	Exact differential equations	
	3.3	first order and higher degree equations	
	3.3.1	Equation solvable for x, y and p	
	3.3.2	Equations homogeneous in x and y	
	3.3.3	Clairaut's equation	
	3.3.4	singular solutions	
	3.3.5	geometrical meaning of a differential equation	
	3.3.6	Orthogonal trajectories	
IV	4.1	Linear differential equation with constant coefficients	18
	4.2	Homogeneous linear ordinary differential equations	
	4.3	Linear differential equations of second order	
	4.4	Transformation of equations by changing the dependent variable/ independent variable	
	4.5	Method of variation of parameters.	
<b>Text Books, Reference Books, Other Resources</b>			

### Suggested Reading

#### Text Books:

1. Gorakh Prasad- Differential Calculus, Pothishala Private Ltd., Allahabad.
2. Gorakh Prasad- Integral Calculus, Pothishala Pvt. Ltd. Allahabad.
3. M. D. Raisinghanianar: Ordinary and Partial Differential equations, S. Chand & Co Ltd. 2017
4. Gerard G. Emch. R. Sridharan M.D. Srinivas: Contributions to the History of Indian Mathematics, Hindustan Book Agency Vol. 3, 2005

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Class: B.Sc. III Sem	Subject: Mathematics	Session 2023-24
Course Code	S2-MATH II	
Course Title	Abstract Algebra and Linear Algebra	
Course Type	Major/Minor	
Pre- requisite (if any)	To study this course, a student must have had the subject Mathematics in Certificate Course or equivalent.	
Course Learning Outcomes	The course will enable the students to: <ol style="list-style-type: none"><li>1. Recognize the algebraic structures as a group, and classify them as abelian, cyclic and permutation groups, etc.</li><li>2. Link the fundamental concepts of groups and symmetrical figures.</li><li>3. Analyze the subgroups of cyclic groups.</li><li>4. Explain the significance of the notion of cosets, normal subgroups, and quotient groups.</li><li>5. The fundamental concept of rings, fields, subrings, integral domains and the corresponding morphisms.</li><li>6. Analyze whether a finite set of vectors in a vector space is linearly independent. Explain the concepts of basis and dimension of a vector space.</li><li>7. Understand the linear transformations, rank and nullity, matrix of a linear transformation, algebra of transformations and change of basis.</li><li>8. Compute the characteristic polynomial, eigenvalues, eigenvectors, and eigenspaces, as well as the geometric and the algebraic multiplicities of an eigenvalue and apply the basic diagonalization result.</li></ol>	
Credit Value	6	
Total Marks	Max. Marks 40+60	

Unit	Topics	No. of Lectures
	1.1 Historical background: 1.1.1 A brief historical background of the Algebra in the	

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I	context of India and Indian heritage and culture 1.1.2 A brief biography of Brahmagupta 1.2 Groups, subgroups and their basic properties 1.3 Cyclic groups 1.4 Coset decomposition 1.5 Lagrange's and Fermat's theorem 1.6 Normal subgroups 1.7 Quotient groups	18
II	2.1 Homomorphism and Isomorphism of groups 2.2 Fundamental theorem of homomorphism 2.3 Transformation and permutation group $S_n$ ( $n < 5$ ) 2.4 Cayley's theorem 2.5 Group automorphism 2.6 Inner automorphism 2.7 Group of automorphisms	18
III	3.1 Definition and basic properties of rings 3.2 Ring homomorphism 3.3 Subring 3.4 Ideals 3.5 Quotient ring 3.6 Polynomial ring 3.7 Integral domain 3.8 Field	18
IV	4.1 Definition and examples of Vector space 4.2 Subspaces 4.3 Sum and direct sum of subspaces 4.4 Linear span, Linear dependence, linear independence and their basic properties 4.5 Basis 4.6 Finite dimensional vector space and dimension 4.6.1 Existence theorem 4.6.2 Extension theorem 4.6.3 Invariance of the number of elements 4.7 Dimension of sum of subspaces 4.8 Quotient space and its dimension	18
V	5.1 Linear transformation and its representation as a matrix 5.2 Algebra of linear transformation 5.3 Rank-Nullity theorem 5.4 Change of basis, dual space, bi-dual space and natural isomorphism	18

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Class: B.Sc. III Year	Subject: Mathematics	Session 2023-2024
Course Title	Elements of Discrete Mathematics	
Course Type	Discipline Specific Elective (DSE) (Group- A, Paper - II)	
Course Code	S3-MATH 2T	
Course Learning Outcomes (CLO) -	The course will enable the students: 6. Apply the Boolean algebra, Switching circuits and their applications. 7. Minimizing the Boolean Function using Karnaugh Map. 8. Understand the lattices and their types. 9. Graphs, their types and its application in study of shortest path algorithms. 10. Test whether two given graphs are isomorphic. 11. Understand the Eulerian and Hamiltonian graphs. 12. Represent graphs using adjacency and incidence matrices.	
Credit Value	6	
Total Marks	Max. Marks: 30 + 70	

Unit	Topics	No. of Lectures
1	1.1 Indian Logic 1.1.1 Origins 1.1.2 The schools Vaisheshika 1.1.3 Catuskoti 1.1.4 Nyaya 1.1.5 Jain Logic 1.1.6 Buddhist Logic 1.1.7 Navya-Nyaya 1.1.8 Influence of Indian Logic on Modern Logic 1.1.9 Boolean Logic and Indian Thoughts 1.2 Relations 1.2.1 Binary, Inverse, Composite and Equivalence relation 1.2.2 Equivalence classes and its properties 1.2.3 Partition of a set 1.2.4 Partial order relation 1.2.5 Partially ordered and totally ordered sets 1.2.6 Hasse diagram 1.3 Lattices 1.3.1 Definition and examples	18

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	1.3.2 Dual, bounded, distributive and complemented lattices	24
II	2.1 Boolean Algebra 2.1.1 Definition and properties 2.1.2 Switching circuits and its applications 2.1.3 Logic gates and circuits 2.2 Boolean functions 2.2.1 Disjunctive and conjunctive normal forms 2.2.2 Bool's expansion theorem 2.3 Minimize the Boolean function using Karnaugh Map	24
III	Graphs: 3.1 Definition and types of graphs 3.2 Subgraphs 3.3 Walk, path and circuit 3.4 Connected and disconnected graph 3.5 Euler graph 3.6 Hamiltonian path and circuit 3.7 Dijkstra's Algorithm for shortest paths in weighted graph	24
IV	Tree: 4.1 Trees and properties 4.2 Rooted, Binary and Spanning tree 4.3 Rank and nullity of a graph 4.4 Kruskal's and Prim's Algorithm 4.5 Cut- set and Its Properties 4.6 Fundamental Circuits and Cut- set 4.7 Planar graphs 4.8 Kuratowski's two graph 4.9 Matrix representation of graph 4.9.1 Incidence 4.9.2 Adjacency 4.9.3 Circuit 4.9.3 Cut - Set 4.9.4 Path	24
	<b>Text Books</b> 1. J. P. Tremblay and R. Manohar, Discrete Mathematical Structures with Applications to Computer Science, McGraw Hill Education, 1 <sup>st</sup> Edition 2017 2. Satinder Bal Gupta, C. P. Gandhi: Discrete Structures, Laxmi Publication, 2010 3. C. L. Liu: Elements of Discrete Mathematics, McGraw Hill Education, 4 <sup>th</sup> Edition 2017	

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## Theory Paper

Part A Introduction			
Program: Degree	I Class : BA	I Year: III	I Session: 2023-24
Subject: English Literature			
1	Course Code	A 3 - E L I T 2 T	
2	Course Title	Indian English Poetry and Drama (Theory)	
3	Course Type (Core Course/ Discipline Specific Elective/ Elective/ Generic Elective /Vocational/ ... )	Minor/Elective	
4	Pre requisite (if any)	To study this course, a student must have had this subject in Diploma (Second Year).	
5	Course Learning Outcomes (CLO)	<p><b>On successful completion of this course, the students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times till the present,</li> <li>2. Evaluate critically the contributions of major Indian English poets and dramatists,</li> <li>3. Analyse how the sociological, historical, cultural and political contexts impacted the texts selected for study,</li> <li>4. Interpret the strengths and constraints of Indian English as a literary medium,</li> <li>5. Develop a literary sensibility and display an emotional response to the literary texts and cultivate a sense of appreciation for them.</li> </ol>	
6	Credit Value	4	
7	Total Marks	Max. Marks: 30 + 70	1 Min. Pass Marks: 35
Part B- Content of the Course			
Total No. of Lectures (in hours per week): 02			
Total No. of Lectures: 60 Lectures			
Unit	Topics	No. of Lectures (1 Hour Each)	
I	<p><b>Introduction and Poetry</b></p> <ul style="list-style-type: none"> <li>■ A Brief Introduction to Indian English Poetry <i>Henry James Union, Parnassus, Home of Charles</i></li> <li>• Sri Aurobindo: Savitri: Canto I</li> </ul> <p><b>Keywords:</b> <i>Indian English Poetry, Cultural values, Indian knowledge tradition and philosophy, Indian mythology, Nationalism, Patriotism</i></p>	15	
II	<p><b>Indian English Poetry</b></p> <ul style="list-style-type: none"> <li>■ AK Ramanujan: The Obituary, A River</li> <li>• Kamala Das: The Old Playhouse, The Dance of the Eunuchs</li> </ul>	15	



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	<b>Keywords:</b> <i>Hindu traditions and culture, Cultural diversity in India, Regionalism, Feminist</i>	
III	<b>Introduction to Indian English Drama</b> <ul style="list-style-type: none"><li>• A Brief Introduction to Indian English Drama</li><li>• Krishna Mohan Banerjee: The Persecuted</li><li>• Rabindranath Tagore: The Post Office</li></ul> <b>Keywords:</b> <i>Indian English Drama, Indian cultural philosophies, Social reformation, Major themes of Indian English Drama</i>	15
IV	<b>Indian English Drama</b> <ul style="list-style-type: none"><li>• Vijay Tendulkar: Silence! The Court is in Session</li><li>• Badal Sircar: Evam Indrajeet</li></ul> <b>Keywords:</b> <i>Indian Theatre, Nukkad Natak, Marathi Theatre, Bangla Theatre, Contemporary social issues</i>	15
Keywords/Tags:		
<b>Part C-Learning Resources</b>		
Text Books, Reference Books, Other resources		
<b>1. Suggested Readings:</b>		
1.	Agrawal, K.A., "Indian Writing in English: A Critical Study", Atlantic Publishers and Distributors PVT LTD, India, 2021.	Indian Books
2.	Banerjee, B., "CBCS English Honours Handbook on Indian Writing in English", View, India, 2019.	India, 2012.
3.	Iyengar, KRS., "Indian Writing in English", Sterling Publishers PVT LTD,	
4.	Rawat, Dr. et al, "Verso Palacio", Subharambh Publication, India, 2022.	
<b>2. Suggestive digital platforms/ web links</b>		
2.	<a href="https://www.cambrikscholars.com/resources/pdfs/978-1-5275-3322-6-sample.pdf">https://www.cambrikscholars.com/resources/pdfs/978-1-5275-3322-6-sample.pdf</a>	
3.	<a href="https://en.wikipedia.org/wiki/Indian_poetry_in_English">https://en.wikipedia.org/wiki/Indian_poetry_in_English</a>	
4.	<a href="http://www.tmv.edu.in/pdf/Distance_education/MA%28English%29/Indian%20Literature%20in%20English/Ch-1.pdf">http://www.tmv.edu.in/pdf/Distance_education/MA%28English%29/Indian%20Literature%20in%20English/Ch-1.pdf</a>	
5.	<a href="https://www.englishmail.com/2019/09/indian-english-drama-overview.html">https://www.englishmail.com/2019/09/indian-english-drama-overview.html</a>	
6.	<a href="http://inunishivai.ac.in:8080/ispui/bitstream/1234567891198376/06_Chapter%201.pdf">http://inunishivai.ac.in:8080/ispui/bitstream/1234567891198376/06_Chapter%201.pdf</a>	
<b>3. Books published by Madhya Pradesh Hindi Granth Academy, Bhopal</b>		
<b>Suggested equivalent online courses:</b>		
1.	<b>Indian Poetry in English - NPTEL</b> <a href="https://onlinecourses.nptel.n.in/noc22_hs39/preview">https://onlinecourses.nptel.n.in/noc22_hs39/preview</a>	
2.	<b>Indian Writing in English -SWAYAM</b> <a href="https://onlinecourses.swayam2.ac.in/iceal_Ig13/preview">https://onlinecourses.swayam2.ac.in/iceal_Ig13/preview</a>	



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## Part D-Assessment and Evaluation

### Suggested Continuous Evaluation Methods:

Maximum Marks : 100

Continuous Comprehensive Evaluation (CCE) : 30 Marks University Exam (UE): 70 Marks

<b>Internal Assessment :</b> Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	30
<b>External Assessment :</b> University Exam Section Time : 03.00 Hours	<b>Section(A) :</b> Very Short Questions <b>Section (B) :</b> Short Questions <b>Section (C) :</b> Long Questions	70

Any remarks/ suggestions:

## Practical Paper

### Part A Introduction

Program: Degree		I Class : BA	I Year: III	I Session: 2023-24
Subject: English Literature				
1	Course Code	A3-ELIT2P		
2	Course Title	Evaluation of Indian English Poetry and Drama (Practical)		
3	Course Type (Core Course/ Discipline Specific Elective/ Elective/ Generic Elective /Vocational/ ....)	Minor/Elective		
4	Pre requisite (if any)	To study this course, a student must have had this subject in Diploma (Second Year).		
5	Course Learning outcomes (CLO)	<p><b>On successful completion of this course, the students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times to till the present,</li> <li>2. Evaluate critically the contributions of major Indian English poets and dramatists,</li> <li>3. Analyse how the sociological, historical, cultural and political context impacted the texts,</li> <li>4. Interpret the strengths and constraints of Indian English as a literary medium,</li> <li>5. Develop a literary sensibility and display an emotional response to the literary texts and cultivate a sense of appreciation for them,</li> <li>6. Cultivate critical thinking and creativity.</li> </ol>		
6	Credit Value	2		
7	Total Marks	Max. Marks: 100	I Min. Pass	Mark:35
<b>Part B- Content of the Course</b>				
Total No. of Lectures/Practical (in hours per week): 01 lecture of 2 hours				
Total No. of Lectures: 30 Lectures				
Unit	I Topics	I No. of Lectures		



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**St. Aloysius' College (Autonomous)**

**Reaccredited 'A+' by NAAC (CGPA – 3.68/4.00)**

**College with Potential for Excellence by UGC**

**DST FIST Supported & Star College Scheme by DBT**

**Jabalpur (M.P.), India**

**Session: 2023-24**

## **PART A - INTRODUCTION**

<b>Class</b>	: BA
<b>Semester/Year</b>	: III Year
<b>Subject</b>	: English Literature (Theory)
<b>Paper</b>	: Indian Diaspora Literature (Theory)
<b>Course Code</b>	: A3-ELIT2D
<b>Compulsory / Optional</b>	: Discipline Specific Elective (DSE)
	To study this course, a student must have had this subject in Diploma (Second Year)
<b>Max. Marks</b>	: 100 (30 + 70)
<b>Credits</b>	: 4
<b>Course Outcomes</b>	: On successful completion of this course, the students will (CLO) be able to:

1. Explain the theoretical backgrounds of international migration, race, and ethnicity.
2. Define the various attributes of the Indian diaspora and the 'ambivalence' of their attitudes towards their own motherland as well as their adopted homeland.
3. Demonstrate the quest for cultural identity on the part of the citizens of the Indian diaspora and would be able to understand the psychological, social and political problems associated with diaspora culture.
4. Discover their own country from a different prism through the eyes of writers who have lived in a composite culture.
5. Create an interpretation of the texts in the context of diaspora conditions.





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## PART B – CONTENTS OF THE COURSE

	Title	No. of Lectures
Unit I	<b>Introduction</b> <ul style="list-style-type: none"><li>• A Brief Introduction to Indian Diaspora Literature</li><li>• VS Naipaul: A House for Mr. Biswas (1961)</li><li>• Kamala Markandaya: The Nowhere Man (1972)</li></ul> <b>Keywords:</b> <i>Diaspora conditions and sensibilities, Role of memory, Quest for identity, Racial discrimination</i>	15
Unit 2	<b>Fiction</b> <ul style="list-style-type: none"><li>• Shashi Deshpande: That Long Silence (1988)</li><li>• Bharati Mukherjee: The Holder of the World(1993)</li></ul> <b>Keywords:</b> <i>Cultural displacement, Migration, Alienation, Modern woman</i>	15
Unit 3	<b>Fiction</b> <ul style="list-style-type: none"><li>• Chitra Banerjee: Sister of My Heart (1999)</li><li>• Aravind Adiga: The White Tiger (2008)</li></ul> <b>Keywords:</b> <i>Minority community, Exile, Translation in Indian English Literature</i>	15
Unit 4	<b>Non-Fiction</b> <ul style="list-style-type: none"><li>• Amitav Ghosh: In an Antique Land (1992)</li><li>• Jhumpa Lahiri: Interpreter of Maladies (1999)</li></ul> <b>Keywords:</b> <i>Homeland and diaspora, Cultural shock, Sense of belonging</i>	15

## PART C – LEARNING RESOURCES

### Text Books, Reference Books, Other resources

#### Suggested Readings:

1. Anand, TS., "Literature of Indian Diaspora", Creative Books, India, 2010.
2. Tehgu, S., "Indian Literature in Diaspora – Routledge Contemporary South Routledge Publication, 2022.
3. Vineeth, V., Priya Dharisini, S., "Literature of Indian Diaspora", Mahaveer 2022.

#### 2. Suggestive digital platforms/ web links

[www.eshiksha.mp.gov.in/Gwe:pr1c7](http://www.eshiksha.mp.gov.in/Gwe:pr1c7)

3. Books published by Madhya Pradesh Hindi Granth Academy, Bhopal

#### Suggested equivalent online courses:Suggested equivalent online courses:

1. Understanding Diaspora –Udemy



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## MINOR

Program Certificate	Class BBA I Year	Year: 2022	Session : 2022-23
Subject : BUSINESS MANAGEMENT			
1	Course Code	M 1 – BBAAIT ( Group-I)	
2	Course Title	BBA	
3	Course Type (Core Course/ Elective/Generic Elective/ Vocational/.....)	(Core Course)	
4	Pre-requisite (if any)	Not Required ( Open for All)	
5	Course Learning outcomes (CLO)	<ol style="list-style-type: none"><li>1. Student will be able to assess the global context for planning coordinating, and monitoring managerial behavior.</li><li>2. Through various planning and decision-making techniques, students can learn about how businesses ensure to remain in a competitive market.</li><li>3. Students will understand various forms of organizational structures and their importance.</li><li>4. Students can learn about various strategies used by businesses to maintain and improve employee efficiency.</li><li>5. Students will be able to understand how organizations use different leadership styles to stay competitive.</li></ol>	
6	Credit Value	(Credit) 6	
7	Total Marks	Max. Marks: 40+60	Min. Passing Marks:33
Part B – Content of the Course			
Total No. of Lectures- Tutorials-Practical ( in hours per week):3 Hours			
L-T-P:90			
Unit	Topics	No. of Lectures	

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1	Management in Indian Culture and Tradition, Definition and Meaning of Management, Functions and Responsibilities of Management. Role of manager, Principles of Management. School & Thoughts of Management.	18
2	Planning: Process, Types and Significance, Planning vs. Forecasting Objective, Strategies and Policies, MBO. Decision Making: Process & Significance, Planning for Start-ups	18
3	Organization: Nature and Purpose of organization. Importance and process of Organization. Departmentalization, Organizational structures: types and relevance, Line and Staff relationship.	18
4	Authority- Delegation, Decentralization - Difference between Authority and power- Responsibility, Recruitment- Sources, Selection, Training, Direction -Nature and Purpose.	18
5	Leadership: Meaning, Importance, Types of Leadership, Leadership Styles, Motivation: Types & significance, Maslow's Need Hierarchy, Theory X&Y of Motivation. An overview of Strategic Management, SWOT Analysis, Strategic Analysis, Alternative-Choice & Evaluation. Future Management-Challenges and Skills	18

### Part C- Learning Resources

#### Text Books References Books Other resources

#### Suggested Readings

- Management-James A.F. Stoner, R. Edward Freeman-Pearson Prentice Hall-6<sup>th</sup> Edition
- Principles of Management- PC Tripathi& PN Reddy-TMH-5<sup>th</sup> Edition-2012.
- Koontz D and Welrich: Management, International Student Edition, Tokyo 1980.
- R.D. Agrawal: Organization & Management MC Graw Hill, New Delhi 1982.
- Newman and Warran: The Process of Management: Concepts, Behaviour and Practices, PHI.
- S. M. Shukla: Principles of Management, SahityaBhawan, Agra (UP) (Latest Edition (Hindi and English Medium).
- Dr. Rajeev Kumar Jhalani&Dr. YogitaChandel, Principles of Management, Devi AhilyaPrakashan, Indore (Hindi Medium)
- Dr. C. M. Mehta, Business Organization, Ram Prasad and Sons, Bhopal. (Hindi Medium)

#### Suggested Web Links

*Handwritten signatures and initials:*  
D. Prakash  
R. Singh  
Rohini  
Chitra

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Group A MAJOR			
Program: Certificate	Class BBA I Year	Year: 2022	Session : 2022-23
<b>Subject : BUSINESS MANAGEMENT</b>			
1	Course Code	M1 – BBAAIT ( Group-I)	
2	Course Title	BBA	
3	Course Type (Core Course/ Elective/Generic Elective/ Vocational/.....)	(Core Course)	
4	Pre-requisite (if any)	Not Required ( Open for All)	
5	Course Learning outcomes (CLO)	1. Student will be able to assess the global context for planning coordinating, and monitoring managerial behaviour. 2. Through various planning and decision-making techniques, students can learn about how businesses ensure to remain in a competitive market. 3. Students will understand various forms of organizational structures and their importance. 4. Students can learn about various strategies used by businesses to maintain and improve employee efficiency. 5. Students will be able to understand how organizations use different leadership styles to stay competitive.	
6	Credit Value	(Credit) 6	
7	Total Marks	Max. Marks: 40+60	Min. Passing Marks:33
Part B – Content of the Course			
Total No. of Lectures- Tutorials-Practical ( in hours per week):3 Hours			
Unit	Topics	No. of Lecture	
1	Management in Indian Culture and Tradition, Definition and Meaning of Management, Functions and Responsibilities of Management, Role of manager, Principles of Management. School & Thought of Management.	18	
2	Planning: Process, Types and Significance, Planning vs. Forecasting Objective, Strategies and Policies, MBO, Decision Making: Process & Significance, Planning for Start-ups.	18	
3	Organization: Nature and Purpose of organization. Importance and process of Organization. Departmentalization, Organizational structures: types and relevance, Line and Staff relationship.	18	
4	Authority- Delegation, Decentralization - Difference between Authority and power-Responsibility, Recruitment- Sources, Selection, Training, Direction -Nature and Purpose.	18	





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5	Leadership: Meaning, Importance, Types of Leadership, Leadership Styles, Motivation: Types & significance, Maslow's Need Hierarchy, Theory X&Y of Motivation. An overview of Strategic Management, SWOT Analysis, Strategic Analysis, Alternative-Choice & Evaluation, Future Management-Challenges and Skills	18
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Part C- Learning Resources		
Text Books	References	Books Other resources
<b>Suggested Readings</b>		
<ul style="list-style-type: none"><li>• Management-James A.F. Stoner, R. Edward Freeman-Pearson Prentice Hall-6<sup>th</sup> Edition</li><li>• Principles of Management- PC Tripathi &amp; PN Reddy-TMH-5<sup>th</sup> Edition-2012.</li><li>• Koontz D and Wellich: Management, International Student Edition, Tokyo 1980.</li><li>• R.D. Agrawal: Organization &amp; Management MC Graw Hill, New Delhi 1982.</li><li>• Newman and Warran: The Process of Management: Concepts, Behaviour and Practices, PHI.</li><li>• S. M. Shukla: Principles of Management, Sahitya Bhawan, Agra (UP) (Latest Edition (Hindi and English Medium).</li><li>• Dr. Rajeev Kumar Jhalani &amp;Dr. Yogita Chandel, Principles of Management, Devi AbhayaPrakashan, Indore (Hindi Medium)</li><li>• Dr. C. M. Mehta, Business Organization, Ram Prasad and Sons, Bhopal. (Hindi Medium)</li></ul>		
<b>Suggested Web Links</b>		
<a href="https://www.dphu.org/uploads/attachments/books/books_5284_0.pdf">https://www.dphu.org/uploads/attachments/books/books_5284_0.pdf</a>		
<a href="https://education.stateuniversity.com/pages/ewlev9e9ib/An-Introduction-to-the-Principles-of-Management.htm">https://education.stateuniversity.com/pages/ewlev9e9ib/An-Introduction-to-the-Principles-of-Management.htm</a>		
<b>Suggested equivalent online courses:</b>		

*Abhishek*

*Pravara*

*Roshni*

*Chitkhandi*

*Aparna*



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St. Aloysius' College (Autonomous), Jabalpur	
<b>Part A – Introduction</b>	
<b>Session:</b>	2023-24
<b>Subject/ विषय:</b>	Commerce /कॉमर्स
<b>Programme/कार्यक्रम:</b>	Certificate / सर्टिफिकेट
<b>Class/कक्षा:</b>	B. Com 1 <sup>st</sup> Semester/ बी. कॉम 1 <sup>st</sup> सेमेस्टर
<b>Course Code/ पाठ्यक्रम कोड:</b>	C1-COMAIT
<b>Course Type/ पाठ्यक्रम का प्रकार:</b>	MAJOR
<b>Course Title/पाठ्यक्रम का शीर्षक:</b>	Financial Accounting
<b>Pre – requisite/ पूर्वशिक्षा:</b>	OPEN FOR ALL
<b>Course Learning Outcome/ पाठ्यक्रम अध्ययन की परिलब्धियां:</b>	After completion of this course, it is expected that the student shall be able to  CO 1- To recall basic concepts of accounting and to prepare final accounts with adjustment.  CO 2- To describe the methods of depreciation and compute depreciation of fixed assets.  CO 3- To Prepare accounts of royalty, investment, NPOs and consignment.  CO 4 To understand and evaluate the complete process of accounting in a partnership firm  CO 5 To Equip with the knowledge of computerized accounting.
<b>Credit Value/ क्रेडिट मान:</b>	6 credits
<b>Total Marks/ कुल अंक:</b>	Max. Marks: (Internal 40) + (External 60) 100
<b>Part B – Course Content</b>	
Unit 1	Accounts: - Indian History, Definition, Objectives, Basic Concept and Principles of Double Entry System Journal Entry, Ledger, Subsidiary books, Trial Balance. Introduction of Indian Accounting Standard Final Accounts.



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इकाई 1	लेखांकन : भारतीय इतिहास परिभाषा, उद्देश्य, मूल अवधारणाएवंदीहारा प्रविष्टि प्रणालीके सिद्धांत बर्नल प्रविष्टि, बहीखातेसहायक पुस्तके, तलपट भारतीय लेखा मानकों के परिचयका विस्तृत अध्ययन समावोचन के साथ अंतिम खाता तैयार करना।
Unit 2	Accounting for Depreciation (According to Accounting Standard – 6), Branch Account, Departmental Accounts.
इकाई 2	मूल्य ह्रास क लिए लेखांकन (लेखा मानक 6 के अनुसार), शाखा लेख, विभागीय लेख।
Unit 3	Royalty Accounts, Accounting of Non- Profit Organization, Investment Account, Consignment Accounts.
इकाई 3	अधिकार शुल्क खाते, गैर लाभकारी संस्थाओं के लेख, विनिवेश लेख, श्रेण खाते
Unit 4	Partnership Accounts: - Dissolution of Partnership (with Insolvency), Amalgamation of Partnership Firms, Conversion of Partnership firm in to joint stock company
इकाई 4	साझेदारीखातेसाझेदारीकाविघटनदिवालियासहित, साझेदारीफर्मकाएकीकरण, फर्मकासंवृतसंकेधप्रमंडलमेंपरिवर्तन
Unit 5	Computerized Accounts by using any popular accounting software creating a company, configure and feature setting, creating accounting leaders and groups, creating stock items and groups, vouchers entry (with maintenance of vouchers), generating report- cash book, ledger accounts, trial balance, profit and loss account and balance sheet
इकाई 5	कम्प्यूटरीकृतखाते.किसीभीलोकप्रियलेखासॉफ्टवेयरकाउपयोगकरकेएककंपनीबनाना, विन्यासकरनाऔरसूचियांआंकोसेटकरना, लेखांकनबहीखाताऔरसमूहबनाना, स्टॉकमदऔरसमूहबनाना, वाउचरप्रविष्टि (प्रमाणकोकाखरखावकेसाथ), रिपोर्टतैयारकरना- कैशबुकखाता, बहीखाता, परीक्षणशेष, लाभऔरहानिखाताऔरबैलेंसशीट

### Part C – Suggested Readings

S. No.	Author	Name of the Book	Publication
1.	S.M.Shukla	Financial Accounting	Sahitya Bhawan Agra
2.	Shukla & Grewal	Financial Accounting	S Chand & Sons New Delhi
3.	Dr Ramesh Mangal	Financial Accounting	Satish Printers and Publishers Indore
4.	Agrawal Dr Mahesh	Financial Accounting	Ram prasad and sons, Bhopal
5.	Gupta R.L. and Radhaswamy M	Advance Accounting	S Chand & Sons New Delhi



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St. Aloysius' College (Autonomous), Jabalpur	
<b>Part A – Introduction</b>	
Session:	2023-24
Subject/ विषय:	Commerce / कॉमर्स
Programme/कार्यक्रम:	Certificate / सर्टिफिकेट
Class/कक्षा:	B. Com 1 <sup>st</sup> Semester/ बी. कॉम1 <sup>st</sup> सेमेस्टर
Course Code/ पाठ्यक्रमकोड:	C1-COMA2T
Course Type/ पाठ्यक्रमकाप्रकार:	MINOR
Course Title/पाठ्यक्रमकाशीर्षक:	BUSINESS ORGANISATION
Pre – requisite/ पूर्वापेक्षा:	OPEN FOR ALL
Course Learning Outcome/ पाठ्यक्रमअध्ययनकीपरिलब्धियां:	After completion of this course, it is expected that the student will be able  CO 1- To state the process of starting a new business.  CO 2- To compare the structure and working of sole proprietorship and partnership businesses in India.  CO 3- To illustrate the difference between public and private companies.  CO 4- To sketch the functioning of cooperative societies.  CO 5- To analyze various business combinations.
Credit Value/ क्रेडिटमान:	6 credits
Total Marks/ कुलअंक:	Max. Marks: (Internal 40) + (External 60) 100
<b>Part B – Course Content</b>	
Unit 1	Indian traditional businesses and their organizational structures. Concepts of Business, Trade, Industry and Commerce Classification Relationship between Trade, Industry and Commerce. Business Organization – Concept, Characteristics Importance, and Objectives Functions of Business and Steps to Start an Enterprise.





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इकाई 1	परिचय: भारतकेपारम्परिकव्यवसायऔरउनकीसंगठनात्मकसंरचनाएँ, व्यापार, उद्योगऔरवाणिज्यकीअवधारणाव्यवसायउद्योगऔरवाणिज्यकासम्बंधऔरवर्गीकरण, व्यवसायिकसंगठन:अवधारणाविशेषताएँएवंउद्देश्यव्यवसायकेकार्यएँ नवप्रवर्तनहेतुआवश्यककदम।	व्यवसाय,
Unit 2	FORMS OF BUSINESS ORGANIZATION: Business Organization - Classification - Factors Influencing the Choice of Suitable Form of Organization - Sole Proprietorship and Partnership - Meaning, Definition - Characteristics – Advantages, Limited liability Partnership.	
इकाई 2	व्यवसायिकसंगठनकेप्रकार: व्यवसायिकसंगठन:वर्गीकरणउपयुक्तसंगठनकेचयनकोप्रमाणितकरनेवालातत्व   एकलव्यवसाय-एवं-साझेदारीव्यवसाय:अर्थ, परिभाषा, विशेषताएँलाभ, सीमित दायित्व साझेदारी।	
Unit 3	ORGANIZATION OF COMPANIES: Concepts, Meaning, Formation, Characteristics and Significance of Private Company and Public Company.	
इकाई 3	कम्पनीकासंगठन:निजीकम्पनीऔरसार्वजनिककम्पनीकीअवधारणा, अर्थ निर्माण, विशेषताएँएवंअधिकार।	
Unit 4	Co-Operative Organization- Meaning Functions and Limitations of Co-operatives Societies. Social Responsibility of a business, Business Ethics- meaning, concept, role of ethics in business. Case Study on Co-operative Organization in Jabalpur.	
इकाई 4	कोऑपरेटिव-संगठन:अर्थ-कार्यएवंसीमाएँसामाजिकदायित्व, व्यवसायिकनैतिकता- अवधारणा,अर्थ, व्यापारमेंनैतिकताकीभूमिका।बबलपुर में सहकारी संगठन पर केस स्टडी।	
Unit 5	Multinational Companies (MNC'S) and the Challenges of their organization in India, Business Combination- meaning and its types.	
इकाई 5	बहुराष्ट्रीयकम्पनीयाँकार्यऔरभारतमेंइनकेसंगठनमेंआनेवालीचुनौतियाँ।व्यापारसंयोजन- अर्थएवंप्रकार।	

### Part C – Suggested Readings

S. No.	Author	Name of the Book	Publication
1.	Dr S C Saxena	Business Organization and Communication	Sahitya Bhawan Publications
2.	Sanjay Gupta	Business Organization and Communication	SBPD Publication



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	the Cost theory and equilibrium to Analyze the Cost and Revenue of a firm.  CO 10- To understand the major characteristics of different market structures.
<b>Credit Value/ क्रेडिटमान:</b>	4 credits
<b>Total Marks/ कुलअंक:</b>	Max. Marks: (Internal 40) + (External 60) 100

### Part B – Course Content

Unit 1	Historical background of economics in India with special reference to Kautilya, Amartya Sen, and Nobel laureate Abhijeet Banerjee, Definition of Economics, Economics Law and their nature, Significance of Economics, Basics problems. Concept of Micro and Macro Economics, Methods of Economics study.
इकाई 1	भारतमें अर्थशास्त्रकी ऐतिहासिक पृष्ठभूमिको टिच, अमर्त्य सेन एव नोबेल पुरस्कार विजेता अभिजीत बनर्जीके विशेषसंवेर्भ, अर्थशास्त्रकी परिभाषा, अर्थशास्त्र के नियम और उनकी प्रकृति, अर्थशास्त्रकामहत्व, अर्थशास्त्रकी आधारभूत समस्याएँ, सूक्ष्म और व्यापक अर्थशास्त्रकी अवधारणा, आर्थिक अध्ययनकी पध्तियाएँ।
Unit 2	Law of Demand- Meaning and Definition, Characteristics, Types of demand, Determinants of Law of Demand, Demand Function – determinants of individual demand – Market v/s Individual demand - Consumer Equilibrium Exceptions of Law of Demand.
इकाई 2	मांगकानियम- अर्थेखपरिभाषाएँ, विशेषताएँ, मांगके प्रकार, मांगके नियमके निर्धारकतत्व, मांग फलन-व्यक्तिगत मांग के निर्धारक-बाजार बनाम व्यक्तिगत मांग-उपभोक्ता संतुलन, मांगके नियमके अपवाद मांग फलन-व्यक्तिगत मांग के निर्धारक-बाजार बनाम व्यक्तिगत मांग-उपभोक्ता संतुलन।
Unit 3	Elasticity of Demand, Concept and measurement of Elasticity of Demand, Price, Income and cross elasticity and Elasticity of Demand, Determination of Elasticity of Demand, Importance of Elasticity of Demand.
इकाई 3	मांगकी लोच, मांगकी लोचकी अवधारणा और मांगकी कीमत, आच और आइलोच, औसत आगम, सीमांत आगम और मांगकी लोच, मांगकी लोचका निर्धारण, मांगकी मूल्यसापेक्षताकामहत्व।
Unit 4	Cost and Revenue Analysis: Short Run and Long Run, Average and Marginal Cost, Average and Marginal Revenue, Theory of cost. Market Concept and their classification.
इकाई 4	लागत और आगमविश्लेषण: अल्पकालीन और दीर्घकालीन - औसत और सीमांत लागत औसत और सीमांत आगम, लागतका सिद्धांत बाजार संकल्पना और उनका वर्गीकरण।

### Part C – Suggested Readings

S. No.	Author	Name of the Book	Publication
1.	Kennedy John	Fundamentals of Business Economics	Himalaya Pub. Nagpur



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## St. Aloysius' College (Autonomous), Jabalpur

### Part A – Introduction

<b>Session:</b>	2023-24
<b>Subject/ विषय:</b>	Commerce / कॉमर्स
<b>Programme/कार्यक्रम:</b>	Certificate / सर्टिफिकेट
<b>Class/कक्षा:</b>	B. Com 2 <sup>nd</sup> semester / बी. कॉम 2 <sup>nd</sup> सेमेस्टर
<b>Course Code/ पाठ्यक्रमकोड:</b>	C1-COMA2T
<b>Course Type/ पाठ्यक्रम का प्रकार:</b>	CORE Major
<b>Course Title/पाठ्यक्रमकारीषिक:</b>	Business Regulatory Framework
<b>Pre – requisite/ पूर्वपिक्षा:</b>	(Open For all)
<b>Course Learning Outcome/ पाठ्यक्रम अध्ययन की परिलक्षितियां:</b>	After completion of this course, it is expected that the student will be able  CO 1- To recognize the essential elements of a valid contract and describe the capacities of parties to contract.  CO 2- To evaluate the rights and duties of the parties at the time of breach, bailment, pledge, and contracts of indemnity & guarantee.  CO 3-. To distinguish among different kinds of Negotiable instruments.  CO 4- To analyze the Consumer Protection Act, 1986 and 2018, and apply the process and procedure of filing a complaint under the act.  CO 5- To interrelate the provisions of the Partnership Act 1932 and Limited Liability Partnership Act 2008.
<b>Credit Value/ क्रेडिटमान:</b>	6 credits
<b>Total Marks/ कुलअंक:</b>	Max. Marks: (Internal 40) + (External 60) 100
<b>Part B – Course Content</b>	
Unit 1	Historical Background of Mercantile Law in India – Scope and Characteristics, Indian Contracts Act 1872- General Laws Definition and Nature of contract, Agreement: Offer and Acceptance, Consideration, Capacities of parties to contract, Free consent, expressly declared void agreements.



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## St. Aloysius' College (Autonomous), Jabalpur

### Part A – Introduction

Session:	2023-24
Subject/ विषय:	Commerce / वाणिज्य
Programme/कार्यक्रम:	Certificate / सर्टिफिकेट
Class/कक्षा:	B. Com 2 <sup>nd</sup> Semester/ बी. कॉम 2 <sup>nd</sup> सेमेस्टर
Course Code/ पाठ्यक्रमकोड:	M1-ASPM2T
Course Type/ पाठ्यक्रमका प्रकार:	ELECTIVE
Course Title/पाठ्यक्रमकाशीर्षक:	Advertising & sales Promotion/ विज्ञान एवं विक्रय प्रबंध
Pre – requisite/ पूर्वपेक्षा:	Not required (Open For all)/ Not Required(open for all) / सभी के लिए उपलब्ध
Course Learning Outcome/ पाठ्यक्रमअध्ययनकीपरिणतिविधियां:	After completion of this course, it is expected that the student will be able  CO 1- Explain the basic concept, meaning, and importance of sales promotion.  CO 2- Preparation of Sales promotion program.  CO 3 To Familiarize the Students with the structure of sales department.  CO4- To understand how Sales promotion results to increase sales of the organization.
Credit Value/ क्रेडिटमान:	4 credits
Total Marks/ कुलअंक:	Max. Marks: (Internal 40) + (External 60) 100

### Part B – Course Content

Unit 1	<b>Historical Background of Sales Promotion in India.</b> Nature and importance of sales promotion - Definition, Functions and limitations, Objectives, Sales Promotion Budget, Role in marketing.
	<b>Salesmanship:</b> Skills and qualities required to enhance the personality of a salesman, Ethics, and Integrity in salesmanship.  <b>Forms of sales promotion</b> - Consumer Oriented, Trade Oriented, Sales Force Oriented. Major tools of sales promotion - Samples, Displays and Demonstrations, Fashion Shows, Digital Marketing, Sales contests, lotteries, gift offers, rebates, and rewards.





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इकाई 1	भारत में बिक्री संवर्धन की ऐतिहासिक पृष्ठभूमि, विक्रय संवर्धन की प्रकृति और महत्व - परिभाषा, कार्य एवं सीमाएं, उद्देश्य विक्रय संवर्धन बजट, विपणन में भूमिका सेल्समैनशिप: विक्रेता के व्यक्तित्व को निखारने के लिए आवश्यक कौशल और गुण। विक्रय संवर्धन के रूप उपभोक्ताउन्मुख, व्यापारउन्मुख, विक्रयविभागउन्मुख। विक्रय संवर्धन के प्रमुख साधन नमूने प्रदर्शन एवं क्रियात्मक प्रदर्शन, फैशनशो,विक्रय प्रतियोगिता, लॉटरी, उपहार, छूट, पुरस्कार
Unit 2	<b>Sales promotion.</b> Requirement identification, designing of sales promotion campaign, Involvement of salesmen and dealers, Outsourcing sales promotion, National and International promotion strategies, and Coordination within the various promotion techniques. <b>Developing sales promotional programs,</b> pre-testing implementing, evaluating results, and making necessary modifications.
इकाई 2	विक्रय संवर्धन आवश्यकता की पहचान, विक्रमसंवर्धन अभियान की डिजाइनिंग, विक्रेता व डीलर की भागीदारी, आउटसोर्सिंग विक्रय संवर्धन,राष्ट्रीय एवं अंतर्राष्ट्रीय प्रचार रणनीतियाँ, विभिन्न प्रचार तकनीकों में समन्वय  विक्रय प्रचार कार्य क्रमविकसित करना,परीक्षण के पूर्वकार्यान्वयन,परिणामों का मूल्यांकन और आवश्यक संशोधन करना।
Unit 3	<b>Sales Force Management:</b> Estimating manpower requirements for the sales department; Planning for manpower recruitment and selection, training and development, placement and induction, Motivating and leading the sales force, Compensation and promotion policies, Sales meetings and contests. <b>Control Process:</b> Analysis of Sales Volume, costs, and profitability, managing expenses of Sales personnel, Evaluating sales force performance.
इकाई 3	बिक्री बल प्रबंधन: बिक्री विभाग के लिए मानव शक्ति आवश्यकताओं का अनुमान लगाना; जनशक्ति भर्ती और चयन, प्रशिक्षण और विकास, प्लेसमेंट और प्रेरण के लिए योजना, बिक्री बल को प्रेरित करना और नेतृत्व करना, मुआवजा और पदोन्नति नीतियाँ, बिक्री बैठकें और प्रतियोगिताएं।  नियंत्रण प्रक्रिया: बिक्री की मात्रा, लागत और लाभप्रदता का विश्लेषण, बिक्री कर्मियों के खर्चों का प्रबंधन, बिक्री बल के प्रदर्शन का मूल्यांकन।
Unit 4	<b>Sales Organization:</b> Setting up a sales organization, Principles of determining sales organization.
इकाई 4	विक्रय संगठन: विक्रय संगठन की स्थापना, विक्रय संगठन के निर्धारण के सिद्धांत।





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## St. Aloysius' College (Autonomous), Jabalpur

### Part A – Introduction

Session:	2023-24
Subject/ विषय:	Commerce / कॉमर्स
Programme/कार्यक्रम:	Certificate / सर्टिफिकेट
Class/कक्षा:	B. Com 2 <sup>nd</sup> Semester / बी. कॉम 2 <sup>nd</sup> सेमेस्टर
Course Code/ पाठ्यक्रमकोड:	C1-COMBIT
Course Type/ पाठ्यक्रमका प्रकार:	CORE 1 (PAPER 2)
Course Title/पाठ्यक्रमकाशीर्षक:	Business Mathematics / व्यवसायिकगणित
Pre – requisite/ पूर्वापेक्षा:	open for all/सभीकेलिएउपलब्ध
Course Learning Outcome/ पाठ्यक्रमअध्ययनकीपरिणतिविधियाः	After completion of this course, it is expected that the student shall be able  CO 1- To apply the concept of Ratio and Proportion in business through word Problems, To calculate Average, Percentage, and Discount in business deals.  CO 2- To apply the concept of Vedic mathematics to enhance the speed of calculation, To describe effects of various types and methods of interest account  CO 3-.To provide knowledge of matrices  CO 4 To make aware of basic concept of Differentiation
Credit Value/ क्रेडिटमान:	4 Credits
Total Marks/ कुलअंक:	Max. Marks: (internal 40) + (external 60) 100

### Part B – Course Content

Unit 1	Ratio, Partnership - gaining and sacrificing ratios, Proportion. Average, Percentage, Discount
इकाई 1	अनुपात, साझेदारी- त्याग एवं लाभालाभ अनुपात, समानुपात औसत , प्रतिशत, अपहार,(बट्टा)
Unit 2	Brief history of Vedic mathematics in Indian knowledge tradition, methods and practice of quick calculation of addition, multiplication, division, square and square root of numbers through Vedic mathematics, method of quick verification of answers from Digit Sum. Simple interest, Compound interest



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इकाई 2	भारतीय ज्ञान परंपरा में वैदिक गणित का संक्षिप्त इतिहास, वैदिक गणित के माध्यमसे, संख्याओं के जोड़, गुणा, भाग, वर्ग और वर्गमूल की त्वरित गणना की विधियाँ एवं भाग अभ्यास, योगांक से उत्तर के त्वरित सत्यापन की विधि। साधारण व्याज, चक्रवृद्धि व्याज
Unit 3	Elementary Matrices – Definition and Calculations, Types of Matrices.
इकाई 3	प्राथमिक आव्यूह - परिभाषा और गणना, आव्यूह के प्रकार
Unit 4	Preparation of Invoice, Introduction of calculus, Method of Differentiation. Partial Derivative
इकाई 4	बीजक का निर्माण, कलन का परिचय, अवकलन की विधियाँ, आंशिक अवकलन

### Part C – Suggested Readings

S.No.	Author	Name of the Book	Publication
1.	Shukla Dr. S.M.	Business Mathematics	Sahitya Bhawan Publications
2.	Magar Dr. Abhilasha	Business Mathematics	Himalaya Publication, Mumbai
3.	Sancheti & Kapoor	Business Mathematics	Sultan Chand and Sons, New Delhi
4.	Sharma J.K.	Business Mathematics	IK International Pvt. Ltd., New Delhi
5.	Kumar Mrityunjay	Business Mathematics	S.Chand Publishing, New Delhi
6.	Agrawal Dr Mahesh	Business Mathematics	Ramprasad and sons, Bhopal
7.	Gourav Tekriwal	Maths Sutra	Penguin Books, Gudgao
8.	गुप्ताडभारती	व्यावसायिकगणित	एसबीपीडीपब्लिकेशन, आगरा
9.	मंगलदास	व्यावसायिकगणित	सूनिक्सलर्नलिंगकेरानन्दर
10.	अग्रवालदीनदया	व्यावसायिकगणित	रामप्रसादएंडसंस, भोपाल

#### Web Links

- <https://www.geeksforgeeks.org/ratio-and-proportion-gg/>
- <https://www.geeksforgeeks.org/program-to-find-the-discount-percentage/>
- <https://www.faceprep.in/quantitative-aptitude/simple-interest-and-compound-interest/>
- <https://www.saralstudy.com/blog/vedic-maths/>

Part D: Assessment & Evaluation



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St. Aloysius' College (Autonomous), Jabalpur	
<b>Part A – Introduction</b>	
Session:	2023-24
Subject/ विषय:	Commerce / कॉमर्स
Programme/ कार्यक्रम:	Diploma / डिप्लोमा
Class/ कक्षा:	B. Com III Sem / बी. कॉम तृतीय सेमेस्टर
Course Code/ पाठ्यक्रम कोड:	C2—COME2T
Course Type/ पाठ्यक्रम का प्रकार:	Elective / ऐच्छिक
Course Title/पाठ्यक्रम का शीर्षक:	Financial Market Operations / वित्तीय बाजार संचालन
Pre – requisite/ पूर्वपिक्षा:	Not Required (open for all) / सभी क के लिए उपलब्ध है
Course Learning Outcome/ पाठ्यक्रम अध्ययन की परितब्धियां:	On successful completion of the course students will be able to :- CO 1- Describe the role and importance of the Indian financial market and intermediaries. CO 2- Explain the Concepts relevant to Indian financial markets and financial institutions. CO 3- Visualise Merchant Banking, leasing, and hire purchase concepts. CO 4 Stimulates ideas about the fundamentals of Credit Rating and venture capital. CO 5-Evaluate and create strategies to promote financial products and services. CO 6 - Compare and analyze specific problems or issues related to financial markets and institutions CO 7- Appraise the challenges faced by the regulators in the financial service industry.
Credit Value/ क्रेडिट मान:	4 credits
Total Marks/ कुल अंक:	Maximum Marks: 100 (40 internal + 60 external ) Minimum Passing Marks:35
<b>Part B – Course Content</b>	
Unit 1	Historical background and Introduction of the financial system in India, formal and informal financial sectors. Financial system and economic growth. An overview of the Indian financial system from 1951 to 1990. Financial sectors reforms after liberalization in 1990 to 1991.
इकाई 1	ऐतिहासिक पृष्ठभूमि और भारत में वित्तीय प्रणाली का परिचय , औपचारिक और अनौपचारिक वित्तीय क्षेत्र . वित्तीय प्रणाली और आर्थिक विकास. 1951 से 1990 तक भारतीय वित्तीय प्रणाली का अवलोकन. 1990 से 1991 में उदारीकरण के बाद वित्तीय क्षेत्रों में सुधार ।
Unit 2	Financial Services- Introduction of the Financial services industry in India. Merchant- Banking meaning and scope, Underwriting and regulatory framework of Merchant Banking in India. Consumers and Housing Finance.





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B.com syllabus 2023-24 as per National Education Policy 2020

इकाई 2	वित्तीय सेवाएं- भारत में वित्तीय सेवा उद्योग का परिचय. मर्चेन्ट- बैंकिंग अर्थ और कार्यक्षेत्र, अभिगोपन, भारत में मर्चेन्ट बैंकिंग का नियामक ढांचा। उपभोक्ता और आवास वित्त।
Unit 3	Leasing and hire purchase, Venture Capital finance, factoring services, Concept function, and types of Credit rating.
इकाई 3	पट्टा और किराया खरीद, उद्यम पूंजी वित्त, फैक्ट्रिंग सेवाएं, संकल्पना कार्य और क्रेडिट रेटिंग के प्रकार।
Unit 4	Stock Exchange Board of India- SEBI as a capital market regulator. Objectives, functions, powers, and Organizational structure of SEBI. SEBI Guideline on the primary and secondary market. Listing procedure and legal requirements. Public issue pricing and marketing.
इकाई 4	स्टॉक एक्सचेंज बोर्ड ऑफ इंडिया- पूंजी बाजार नियामक के रूप में सेबी। सेबी के उद्देश्य, कार्य, शक्तियां और संगठनात्मक संरचना। प्राथमिक और द्वितीयक बाजार पर सेबी दिशानिर्देश। लिस्टिंग प्रक्रिया और कानूनी आवश्यकताएं। सार्वजनिक निर्गम मूल्य निर्धारण और तिपणन।

### Part C – Suggested Readings

S.No	Author	Name of the Book	Publication
1.	E. Gordan, K. Natarajan	Financial Markets and Operation	Himalaya Publishing House, New Delhi.
2.	Alok Goyal, Mridula Goyal	Financial Markets Operation	V K Global Publications, Pvt. Ltd Faridabad.
3.	Dr. F.C Sharma	Financial Markets Operation	SBPD Publication, Agra.
4.	डॉ. एफ. सी. शर्मा	वित्तीय बाजार संचालन	एस .बी. पी. डी. प्रकाशन, आगरा
5.	ई. गोर्डन, के. नटराजन, ओ.पी. अग्रवाल	भारतीय वित्तीय बाजार और सेवाएं	हिमालय पब्लिशिंग हाउस, नई दिल्ली
6.	आलोक गोयल, मृदुला गोयल	वित्तीय बाजार प्रक्रियाएं	वी के ग्लोबल पब्लिकेशन, प्राइवेट लिमिटेड फरीदाबाद

#### Suggestive digital platforms and web links:

1. <http://ncert.nic.in/textbook/pdf/lhb5202.pdf>
2. <https://www.aicetfi.com/user/download/ibf/TTBF%20BOOK-2.pdf>

Part D: Assessment & Evaluation



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St. Aloysius' College (Autonomous), Jabalpur	
<b>Part A – Introduction</b>	
Session:	2023-24
Subject/ विषय:	Commerce /बीमर्स
Programme/कार्यक्रम:	Degree
Class/कक्षा:	B.COM III
Course Code/ पाठ्यक्रमकोड:	C3-COM C2T
Course Type/ पाठ्यक्रमका प्रकार:	MINOR
Course Title/पाठ्यक्रमकार्यायिक:	Public Finance/ सार्वजनिक वित्त
Pre – requisite/ पूर्वपिशा:	No
Course Learning Outcome/ पाठ्यक्रमअध्ययनकीपरिणामियां:	CO1- To explain students the basic concepts of public and private finance. CO2- To analyze the Indian Tax Structure and identify different types of tax. CO3- To interpret public expenditure and its theories. CO4: To interrelate Public Budget and economic growth and stability. CO5- To prepare a sketch on the Public Finance system of India. CO6- To analyze the working of Fiscal and Monetary policies.
Credit Value/ क्रेडिटमान:	6 credits
Total Marks/ कुलअंक:	Maximum Marks:30+70Minimum Passing Marks 35
<b>Part B – Course Content</b>	
Unit 1	<b>Public Finance</b> -Historical background, Meaning, Nature, Scope and Importance. Role of Public Finance in Economic Development. Difference between Private and Public Finance, Public goods and Private goods. Principles of maximum social advantage, Market failure and role of Government.
इकाई 1	सार्वजनिक वित्त -ऐतिहासिक पृष्ठभूमि अथ प्रकृत क्षेत्र एवम् महत्व, सार्वजनिक वित्त का आर्थिक विकास में भूमिका, निजी एवं सार्वजनिक वित्त में अंतर, निजी एवम् सार्वजनिक वस्तुएं, अधिकतम सामाजिक लाभदायकता का सिद्धांत, बाजार विफलता एवम् शासन की भूमिका।
Unit 2	<b>Public Revenue</b> - Main sources of revenue, Meaning and types of Taxes, Loans, Grant and Aid. Characteristics of Indian Tax structure. Tax reforms in India. Canons of Taxation, Problem of Justice in Taxation, Incidence of Taxation. Taxable Capacity
इकाई 2	सार्वजनिक राजस्व -राजस्व के मुख्य स्रोत, कर, ऋण, अनुदान, एवं सहायता का अर्थ एवम् प्रकार, भारतीय कर ढांचे का वर्णन तथा भारत में करसुधार, करधान के सिद्धांत करधान में न्याय की पट्टना, करदेय क्षमता, करधान का प्रभाव एवम् कर घंटी।
Unit 3	<b>Public Expenditure</b> - Meaning and Classification of Public Expenditure. Effects of Public Expenditure on production, Employment, Distribution and Economic Growth. Role of Public Expenditure in Developing Economy. Theories of Public Expenditure
इकाई 3	सार्वजनिक व्यय - सार्वजनिक व्यय का अर्थ एवम् वर्गीकरण, सार्वजनिक व्यय का उत्पादन, बेरोजगारी, वितरण एवम् आर्थिक वृद्धि पर प्रभाव, विकासशील अर्थव्यवस्था में सार्वजनिक व्यय की भूमिका, सार्वजनिक के सिद्धांत।



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Unit 4	<b>Public Budget - Kinds of Public Budget, Economic and Functional Classification of the Budget, Budget as an instrument of economic policy. Need, Sources and repayment of Public Debt. Effects of Public debt on money supply, Economic growth and Economic Stability.</b>
इकाई 4	सार्वजनिक बजट - सार्वजनिक बजट के प्रकार, बजट का आर्थिक एवम् क्रियात्मक वर्गीकरण, आर्थिक नीति के प्रमुख उद्देश्य का रूप में बजट, सार्वजनिक ऋण की आवश्यकता, सार्वजनिक ऋण के स्रोत एवम् ऋणों का भुगतान, मुद्रा पूर्ति, आर्थिक वृद्धि एवम् आर्थिक स्थिरता में लोक ऋण का प्रभाव।
Unit 5	<b>Public Finance system in India- Major Financial issues in a Federal setup. Principles of efficient division of financial resources between Central and States, Major Problem of Financial imbalances and measures for adjustments. Local bodies and their financial responsibilities Sources of local Finance.</b>
इकाई 5	भारत में लोक वित्त - पद्धति संघीय ढांचे में मुख्य वित्तीय मुद्दे, केंद्र एवम् राज्य के मध्य वित्तीय स्रोतों के प्रभावी वर्गीकरण के सिद्धांत वित्तीय असंतुलन की मुख्य समस्याएँ एवम् इनके समाधान के उपाय स्थानीय विकास एवम् उनके वित्तीय दायित्व, स्थानीय वित्त के स्रोत
Unit 6	<b>Monetary policy – Meaning, objectives and importance Pre and Post liberalization Monetary policies of India. Fiscal Policy- meaning, objectives and components. Drawbacks of the fiscal policy in India. Measures for removing drawbacks of fiscal policy</b>
इकाई 6	मौद्रिक नीति - अर्थ, उद्देश्य एवम् महत्व, भारत में उदासीनता के पूर्व एवम् बाद की मौद्रिक नीतियाँ राजकोषीय नीति - अर्थ, उद्देश्य एवम् महत्व, भारत की राजकोषीय नीति की कमियाँ, राजकोषीय नीतियों की कमियों दूर करने के उपाय।

### Part C – Suggested Readings

S. No.	Author	Name of the Book	Publication
	H.L Bhatia	Public Finance	Vikas Publication New Delhi
	Amar Ghosh Chandana Ghosh	Public Finance	Prentice Hall India learning Private Ltd
	Dr. D. Bose	An Introduction to Public Finance	S. Chand Publication, New Delhi
	R.K Lekhi	Public Finance	Kalyani Publishers New Delhi
	के एल गुप्ता	राजस्व	साहित्य पब्लिकेशन
	एच एल भारद्वाज	लोक वित्त	विकास पब्लिकेशन हाउस नई दिल्ली
	आर के लेखी	लोक वित्त	कल्याणी पब्लिशर्स नई दिल्ली
	डा सचचल सिंह	लोक वित्त और राजस्व सिद्धांत	नई दिल्ली

Suggested equivalent online courses:

- [1.http://www.rjspm.com/PDF/Public-Finance-Notes-PDF.pdf](http://www.rjspm.com/PDF/Public-Finance-Notes-PDF.pdf)
- [2. http://www.jiwaji.edu/pdf/ecourse/commerce/UNIT-1%20PUBLIC%20FINANCE.pdf](http://www.jiwaji.edu/pdf/ecourse/commerce/UNIT-1%20PUBLIC%20FINANCE.pdf)
- [3. https://old.mu.ac.in/wp-content/uploads/2021/11/Economics-Paper-IV-Public-Finance-English-Version.pdf](https://old.mu.ac.in/wp-content/uploads/2021/11/Economics-Paper-IV-Public-Finance-English-Version.pdf)
- [4.https://ebooks.lpude.in/arts/ma\\_economics/year\\_1/DECO404\\_PUBLIC\\_FINANCE ENGLISH.pdf](https://ebooks.lpude.in/arts/ma_economics/year_1/DECO404_PUBLIC_FINANCE_ENGLISH.pdf)
- [5. https://www.eshiksha.mp.gov.in](https://www.eshiksha.mp.gov.in)





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St. Aloysius' College (Autonomous), Jabalpur	
<b>Part A – Introduction</b>	
<b>Session:</b>	2022-23
<b>Subject/ विषय:</b>	Commerce / कॉमर्स
<b>Programme/ कार्यक्रम:</b>	Certificate सर्टिफिकेट
<b>Class/ कक्षा:</b>	B. Com IIIrd year / बी कॉम तृतीय वर्ष
<b>Course Code/ पाठ्यक्रम कोड:</b>	M3-TNTC2T
<b>Course Type/ पाठ्यक्रम का प्रकार:</b>	DSE (Discipline Specific Elective)
<b>Course Title/पाठ्यक्रम का शीर्षक:</b>	Environment & Sustainable Tourism / पर्यावरण और सतत पर्यटन
<b>Pre – requisite/ पूर्वपेक्षा:</b>	Not Required (open for all) /सभी के लिए उपलब्ध
<b>Course Learning Outcome/ पाठ्यक्रम अध्ययन की परिलब्धियां:</b>	Upon successful completion of the course, a student will be able to CO 1- Interrelate the environment awareness programs and tourism planners for successful tourism development. CO 2- Identify eco-tourism destinations and apply the Environmental code of conduct during visits to these places. CO 3- Construct the ideology for tourism planning and investment in tourism in the protected areas.
<b>Credit Value/ क्रेडिट मान:</b>	6 credits
<b>Total Marks/ कुल अंक:</b>	Max. Marks: 30 (internal) + 70 (external) Passing Marks: 35
<b>Part B – Course Content</b>	
<b>UNIT</b>	<b>TOPIC</b>
Unit 1	<b>Introduction:</b> Introduction to sustainable Tourism: Definition, concept, growth and Principles. Tourism and Environment Relevance, Man and environmental relationship, Environment and resources, Approaches to the study of ecology -Ecological concept and principles, the environmental Impact of Tourism – Advocating sustainable tourism – Resistance to sustainable tourism-Principles of sustainable tourism - Concept of Carrying Capacity, Tourism Activities and their linkages to Ecology and Environment – Problems and prospects for sustainability Issues and challenges, Sustainable & Responsible Tourism Practices in India . Naturalist and its role . Case Study : Kerala , Karnataka
इकाई 1	सतत पर्यटन का परिचय: परिभाषा, अवधारणा, विकास और सिद्धांत। पर्यटन और पर्यावरण प्रासंगिकता, मनुष्य और पर्यावरण संबंध, पर्यावरण और संसाधन, पारिस्थितिकी के अध्ययन के दृष्टिकोण - पारिस्थितिक अवधारणा और सिद्धांत, पर्यटन का पर्यावरणीय प्रभाव - टिकाऊ पर्यटन की वकालत - टिकाऊ पर्यटन का प्रतिरोध - टिकाऊ पर्यटन के सिद्धांत - वहन क्षमता की अवधारणा , पर्यटन गतिविधियां और पारिस्थितिकी और पर्यावरण से उनका जुड़ाव - स्थिरता के लिए समस्याएं और संभावनाएं मुद्दे और चुनौतियां, भारत में टिकाऊ और जिम्मेदार पर्यटन प्रथाएं। प्रकृतिवादी और उसकी भूमिका, केस स्टडी: केरल, कर्नाटक





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Unit 2	<b>Sustainability and Eco-Tourism</b> Eco-tourism as a worldwide phenomenon – Concept and planning of eco-tourism destinations – Developing and implanting Eco tourism guidelines for wild lands and neighboring communities – Eco -Tourism and community development -conference, convention & declaration related to environments – WECD Commission -Rio – declaration (Agenda 21) , Quebec declaration – Environment Code of Conduct. Role of regulatory and international bodies in sustainability – Challenges and concerns. Case Study on Wetlands in India and Chilika Lake
इकाई 2	स्थिरता और इको पर्यटन इको-पर्यटन एक विश्वव्यापी घटना के रूप में - इको-पर्यटन स्थलों की अवधारणा और योजना - बंगली भूमि और पड़ोसी समुदायों के लिए इको पर्यटन विधानियों का विकास और कार्यान्वयन - इको-पर्यटन और सामुदायिक विकास - पर्यावरण से संबंधित सम्मेलन, सम्मेलन और घोषणा - डब्ल्यूईसीडी आयोग - रियो - घोषणा (एजेंडा 21), क्यूबेक घोषणा - पर्यावरण आचार संहिता। स्थिरता में नियामक और अंतर्राष्ट्रीय निकायों की भूमिका - चुनौतियाँ और चिंताएँ। केस स्टडी: इंडिया और चिल्का झील पर केस स्टडी
Unit 3	<b>Global Concerns and Impact Mitigation Measures</b> Tourism and global concerns, The impact of global concern on tourism, Prevention of Hazards. Environmental Impact Assessment (EIA), UN initiatives on Ecology and Environment. Tourism Development and Economic Planning – Tourism investment strategy and role of host government. Tourism in protected areas: trends affecting the planning of tourism and protected areas – Growth and diversification of market niches -Potential benefits and risks of tourism in protected areas – Tourism in protected areas which are not publicly owned or managed – Future prospects and policy alternatives.
इकाई 3	वैश्विक चिंताएँ और प्रभाव शमन उपाय पर्यटन और वैश्विक चिंताएँ, पर्यटन पर वैश्विक चिंता का प्रभाव, खतरों की रोकथाम। पर्यावरण प्रभाव आकलन (ईआईए), पारिस्थितिकी और पर्यावरण पर संयुक्त राष्ट्र की पहला पर्यटन विकास और आर्थिक योजना पर्यटन और संरक्षित क्षेत्रों - पर्यटन निवेश रणनीति और मेजबान सरकार की भूमिका। संरक्षित क्षेत्रों में पर्यटन - सं - बाजार के विशालों का विकास और विविधीकरण - की योजना को प्रभावित करने वाले रक्षित क्षेत्रों में पर्यटन के संभावित लाभ और नोक्सिम संरक्षित - भविष्य की संभावनाएँ और नीति विकल्प। - क्षेत्रों में पर्यटन जो सार्वजनिक रूप से स्वामित्व या प्रबंधित नहीं हैं। भारत में नैव विविधता हॉटस्पॉट पर केस स्टडीपूर्वी हिमालय और पश्चिमी घाट :
Unit 4	<b>Service Learning and Sustainable Tourism</b> Contemporary approaches in sustainable Tourism, Sustainability and community involvement, Community participation through tourism business, Tourism entrepreneurship and host community, Role of SMEs ( Small and Medium Enterprises ) in the travel Industry and destination development, Preserving Heritage and Community based Cultural Tourism. Sustainability and destination branding. Prospective measures and Strategy Formulation.
इकाई 4	सेवा शिक्षण और सतत पर्यटन टिकाऊ पर्यटन, स्थिरता और सामुदायिक भागीदारी में समकालीन दृष्टिकोण, पर्यटन व्यवसाय के माध्यम से सामुदायिक भागीदारी, पर्यटन उद्यमिता और मेजबान समुदाय, यात्रा उद्योग और गंतव्य विकास में एएसएमई (लघु और मध्यम उद्यम) की भूमिका, विरासत और समुदाय आधारित सांस्कृतिक पर्यटन, स्थिरता और गंतव्य का संरक्षण ब्रांडिंग, संभावित उपाय और रणनीति तैयार करना। केस स्टडी: मावल्यानॉंग, "सबसे स्वच्छ गाँव" मेघालय दक्षिण वृन्दावन
Unit 5	<b>Trends and issues in global sustainability</b> Challenges in retaining absolute sustainability, Global indicators, and sustainable energy future.





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	<p>Sustainability and innovation, Climate policy agenda – Carbon management in tourism – Background: The interrelationship between tourism and climate change, Carbon Management: Principles and Strategies Carbon management: Case Studies. The Future of Sustainable Tourism and Drivers of Change over the Next Decade.</p> <p>Case Study: Responsible Tourism, Kerala .</p>
इकाई 5	<p>वैश्विक स्थिरता में रूढ़ान और मुद्द पूर्ण स्थिरता, वैश्विक संकेतक और टिकाऊ ऊर्जा भविष्य को बनाए रखने में चुनौतियाँ स्थिरता और नवाचार, जलवायु नीति एजेंडा - पर्यटन में कार्बन प्रबंधन - पृष्ठभूमि: पर्यटन और जलवायु परिवर्तन के बीच अंतर्संबंध, कार्बन प्रबंधन: सिद्धांत और रणनीतियाँ कार्बन प्रबंधन: केस स्टडीज। सतत पर्यटन का भविष्य और अगले दशक में परिवर्तन के संचालक। केस स्टडी: जिम्मेदार पर्यटन, केरला</p>
Keywords/Tags :	Sustainability, Tourism, Environment Protection.

## Part : C- RECOMMENDED STUDY RESOURCES

S. No.	Author	Book Title	Publisher
1	C. Michael Hall, Stephen J. Page	The Geography of Tourism and Recreation – Environment Place and space . London Routledge	Routledge
2	Ritchie ,J.B , & Crouch ,G .I	The competitive destination: A sustainable tourism perspective.	Cabi
3	Inskeep .E	Tourism planning : An integrated and sustainable development approach . John Wiley & Sons	Pearson Education, New Delhi



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## DEPARTMENT OF HISTORY

YEARLY SYSTEM, SESSION- 2023-24

CLASS: B.A. THIRD YEAR

HISTORY MINOR/ELECTIVE

**HISTORY OF FREEDOM MOVEMENT IN MADHYA PRADESH (FROM 1836-1947CE)**

CREDITS -06

TOTAL MARKS-70

UNITS	TOPICS	NO OF LECTURES
I	<b>Sources of Freedom Struggle &amp; Rise of Nationalism in Madhya Pradesh</b> Sources of Freedom Struggle in Madhya Pradesh, Historical background of Madhya Pradesh (1836-1947) Rise of Nationalism in Madhya Pradesh Bundela Rebellion- Causes, Events &Result	18
II	<b>The Revolt of 1857&amp; Non Co operation Movement in Madhya Pradesh</b> The Revolt of 1857&NonCo operation Movement in Madhya Pradesh: Nature, Causes, Suppression and Consequences, Regional Events-(1) Sagar-Narmada Region (2) Gwalior (3) Indore (4) Bhopal (5) Rewa (6) Bundelkhand Non Co- operation Movement in Madhya Pradesh : (1) Mahakoshal (2)Gwalior (3) Indore (4) Bhopal (5) Rewa (6)Bundelkhand	18
		18



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III	<b>Civil Disobedience &amp; Quit India Movement in Madhya Pradesh</b>  Civil Disobedience Movement in Madhya Pradesh: (1) Mahakoshal (2) Gwalior (3) Indore (4) Bhopal (5) Rewa (6) Bundelkhand  Quit India Movement in Madhya Pradesh: (1) Mahakoshal (2) Gwalior (3) Indore (4) Bhopal (5) Rewa (6) Bundelkhand	
IV	<b>Role of Prajamandals, Women &amp; Tribals in Freedom Movement</b>  Role of Praja Mandals, in Freedom movement, Mahatma Gandhi in Madhya Pradesh  Participation of Women & Tribals in Freedom Movement  Contribution of State of Madhya Pradesh	18
V	<b>The Freedom Fighters of Madhya Pradesh</b>  Tantia Bhi, Khwaja Nayak, Bhima Nayak, Mardan Singh, Bakhatbali, Shankarshah, Raghunathshah, Ranmat Singh, Barkutullah, Kunjilal Dubey, Keshav Prasad Vidyarthi, Ravishankar Shukla, Dwarka Prasad Mishra, Makhani Lal Chaturvedi, Avantibai, Subhadra Kumari Chauhan, Sahodrabai Rai	18

#### Suggested Readings

Dwarka Prasad Mishra - The History of freedom movement in Madhya Pradesh

Prof Radhesharan - Vindya Pradesh ka Itihas

Sudheer Saxena - Madhya Pradesh me azadi ki ladai aur Adhivaasi

Bhasha Sanchalya - Madhya Pradesh ke Swatantra sangram sainik (Reva, Bhopal, Raipur - Bilaspur Sambhag)





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ST. ALOYSIUS (AUTONOMOUS) COLLEGE  
JABALPUR, MADHYA PRADESH

DEPARTMENT OF HISTORY

SEMESTER SYSTEM

CLASS: BA FIRST SEMESTER

SESSION- 2023-24

HISTORY - MAJOR/MINOR

## PAPER -IDEA OF BHARAT

CREDIT -06

TOTAL MARKS-60

Unit	Topics	No. of Lectures
I	Concept of Bharatvarsha I. Understanding of Bharatvarsha II. Eternity of synonyms Bharat III. Indian Concept of Time and Space IV. Indian view of History V. The glory of Indian Literature: Veda, Vedanga, Upanishads, Epics, Jain and Buddhist Literature, Smriti, Puranas etc.	18
II	Indian Knowledge Tradition, Art and Culture I. Evolution of language and Script: Brahmi, Kharoshthi, Pali, Prakrit, Sanskrit, etc. II. Salient features of Indian Art & Culture III. Indian Educational System IV. The Ethics of Indian Valor	18
III	Dharma, Philosophy and Vasudhaiva Kutumbakam I. Indian Perception of Dharma and Darshan	18



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	<b>II. The Concept of Vasudhaiva Kutumbakam: Man, Family, Society and World</b> <b>III. Polity and Governance</b> <b>IV. The concept of Janpada and Gram Swarajya</b>	
<b>IV</b>	<b>Science, Environment and Medical Science</b>  <b>I. Science and Technology in Ancient India</b> <b>II. Environmental Conservation: Indian View</b> <b>III. Health Consciousness of (Science of Life): Ayurveda, Yoga and Naturopathy</b> <b>IV. Indian, Numeral System and Mathematics</b>	<b>18</b>
<b>V</b>	<b>Indian Economic Traditions</b>  <b>I. Indian Economic thoughts</b> <b>II. Concept of Land, Forest, and Agriculture</b> <b>III. Industry, Inland Trade and Commerce</b> <b>IV. Maritime Trade</b>	<b>18</b>

#### Suggested readings

1. Bhasham A L: The wonder that was India, Rupa, Delhi 1994
2. Altekar A S: Education in ancient India, Nandkishore and Bros, Varanasi, 1994



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DEPARTMENT OF HISTORY

SESSION- 2023-24

CLASS: BA SECOND SEMESTER

SUBJECT -HISTORY

PAPER - History of Ancient India (From Early to 1205 AD)

CRIDET -06

TOTAL MARKS- 60

Unit	Topics	No. of Lectures
I	Prehistoric and Protohistoric period History- Meaning, Nature, Scope, and Significance. Sources Of Ancient Indian History. Geographic Condition of Ancient India. Prehistoric India: Stone Age- Paleolithic, Mesolithic, Neolithic, and Chalcolithic Cultures. Prehistoric India- Indus/ Saraswati Civilization Origin Expansion and Decline. Economic, Social and Religious Life. Town Planning and Different Arts.	18
II	Mauryan And Post-Mauryan Period Mahajanapadas and Republics In 6th Century BC. Religion Revolution in North India- Jainism and Buddhism. Rise of Magadh, Alexander & Invasion and Its Impact. Establishment of Maurya, Dynasty- Chandragupta Maurya and His Administration. Ashoka	18



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	and His Dhamma, Mauryan Culture and Architecture. Decline of Mauryan Empire. Shunga Dynasty- Pushyamitra Sunga and his Achievements. Satavahana Dynasty Gautamiputra Satakarni and His Achievements. Period of Shaka -Kshatrapas. Kushana Dynasty- Kanishka and His Achievements, Gandhara and Mathura Art.	
III	Gupta Period And Harshvardhan Establishment of Gupta Dynasty Chandragupta I, Samudragupta, Chandragupta II (Vikramaditya) , Kumargupta And Skandagupta And Their Achievements. Gupta Culture, Gupta Period: Golden Age Gupta-Vakataka Relations. Shakari Vikramaditya And His Cultural Achievements. Decline of Gupta Empire. Huna Invasion And its Impact. Pushyabhuti Dynasty. Harshvardhan - Military Campaigns Administration and Religious Achievements.	18
IV	Early mediaeval dynasty of Northern India, origin of the Rajput- Different Theories, Major Rajput Dynasty, Gurjar Pratihara Dynasty, Chandela Dynasty Paramara Dynasty and Kalchuri Dynasty- History, Culture and Architecture. Bhoj And His Cultural Achievement.	18
V	South Indian Dynasties and Foreign Invasions on India. Major Dynasties of South India -Pallava Dynasty, Chalukya Dynasty, Rashtrakutra Dynasty and Chola Dynasty- History, Culture and Architecture. Greater India: Expansion of Indian Culture in Southeast Asia. Arab Invasion on India and Its Impact. Muhammad Bin Qasim, Turk Invasions on India and their Impact. Mehmud Ghaznavi And Mohammad Ghori.	18





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SESSION- 2023-24

CLASS: BA III SEMESTER

HISTORY- MAJOR/MINOR

PAPER - HISTORY OF MEDIEVAL INDIA FROM 1206 TO 1739AD

CREDIT -06

TOTAL MARKS-60

Unit	Topics	No. of Lectures
	Sources of Medieval Indian History. Establishment and Consolidation of The Delhi Sultanate: Slave Dynasty -Qutubuddin Aibak and Iltutmish, Razia and Balban. Khilji Dynasty: Jalaluddin and Allauddin Khilji, His Conquests, Administration and Reforms. The Mongol Invasion and Its Impact. Tughlaq Dynasty: Mohammad Bin Tughlaq and Firoz Shah Tughlaq-Their Achievements	18
Unit	Rise of Regional Kingdoms And Mughal Invasion Vijaynagar And Bahmani Kingdoms: Harihar- Bukka and Raja Krishnadev Rai. Gouri Dynasty of Malwa: Dilawar Khan and Hoshangshah-Their Achievements. The Roll of Rana Kumbha and Rana Sanga in Medieval Period. Mughal Invasion: Babur and Humayun- Their Achievements. Sher Shah Suri- Achievements and Administration.	18
Unit-III	Consolidation of Mughal Empire and Regional Powers	





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	<p>Akbar: Administrative and Cultural Achievements. Jahangir And Shah Jahan: Their Achievements.</p> <p>Rise of Marathas: Shivaji's Conquests and Administration. Mughal- Rajput Relations with Special Reference to Rana Pratap.</p> <p>Mughal Sikh Relations. Mughal Bundela Relation With Special Reference to Chhatrasal Bundela.</p> <p>Mughal- Gond Relation with Special Reference to Rani Durgavati. Aurangzeb and The Decline of Mughal Empire.</p> <p>Aurangzeb Religious and Deccan Policy. Invasion of Nadir Shah and Its Impact.</p>	18
Unit IV	<p>Society And Economy Economic Conditions in Sultanate Period- Agriculture, Industry and Trade.</p> <p>Social Life of Sultanate Period and Status of Women.</p> <p>Mughal Administration, Land Revenue System, Mansabdari and Jagirdari System.</p> <p>Social Life in The Mughal Period, Status of Women.Economic Condition and Mughal Period – Agriculture, Trade, Industry and Commerce. Development of Literature In Medieval Period.</p>	18
Unit V	<p>Religion And Culture</p> <p>Religious Life in Sultanate Period.</p> <p>Religious Life in Mughal Period. Bhakti Movement and Sufi Tradition.</p> <p>Saint Tradition in India. Guru Nanak, Kabir, Tulsi Das, Meera Bai. Architecture of Sultanate Period.</p> <p>Architecture of Mughal Periods. Paintings Of Mughal Style and Rajput Style. Role of Noor Jahan, Chand Bibi and Jijabai in History.</p>	18



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SESSION- 2023-24

CLASS: BA III SEMESTER

HISTORY- ELECTIVE

PAPER - HISTORY OF MEDIEVAL INDIA FROM 1206 TO 1739AD

CREDIT -04

TOTAL MARKS-60

Unit	Topics	No. of Lectures
I	Sultanate Period- Sources and Administration Sources of Medieval Indian History. Establishment and Consolidation of The Delhi Sultanate: Slave Dynasty –Qutubuddin Aibak and Iltutmish, Razia and Balban. Khilji Dynasty: Jalaluddin and Allauddin Khilji, His Conquests, Administration and Reforms. The Mongol Invasion and Its Impact. Tughlaq Dynasty: Mohammad Bin Tughlaq and Firoz Shah Tughlaq-Their Achievements	18
II	Rise of Regional Kingdoms And Mughal Invasion Vijaynagar And Bahmani Kingdoms: Harihar- Bukka and Raja Krishnadev Rai. Gouri Dynasty of Malwa: Dilawar Khan and Hoshangshah-Their Achievements. The Roll of Rana Kumbha and Rana Sanga in Medieval Period.	18



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	Mughal Invasion: Babur and Humayun- Their Achievements. Sher Shah Suri- Achievements and Administration.	
III	Consolidation of Mughal Empire and Regional Powers Akbur: Administrative and Cultural Achievements. Jahangir And Shah Jahan: Their Achievements. Rise of Marathas: Shivaji's Conquests and Administration. Mughal- Rajput Relations with Special Reference to Rana Pratap. Mughal Sikh Relations. Mughal Bundela Relation With Special Reference to Chhatrasal Bundela. Mughal- Gond Relation with Special Reference to Rani Durgavati. Aurangazeb and The Decline of Mughal Empire. Aurangazeb Religious and Deccan Policy. Invasion of Nadir Shah and Its Impact.	18
IV	Society And Economy Economic Conditions in Sultanate Period- Agriculture, Industry and Trade. Social Life of Sultanate Period and Status of Women. Mughal Administration, Land Revenue System, Mansabdari and Jagirdari System. Social Life in The Mughal Period, Status of Women. Economic Condition and Mughal Period – Agriculture, Trade, Industry and Commerce. Development of Literature in Medieval Period.	18





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DEPARTMENT OF HISTORY

CLASS: BA- IV SEMESTER

SESSION- 2023-24

HISTORY MAJOR/MINOR

PAPER – HISTORY OF MODERN INDIA (from 1740 to 1947)

TOTAL MARKS-60

CRIDET -06

Unit	Topics	No. of Lectures
I	Establishment of East India Company in India Sources Of Modern Indian History. Advent of Europeans in India, Anglo French Conflict in Karanataka: Karnataka Wars- Causes, Events and Consequences. Third Battle of Panipat- Causes, Events and Consequences. Establishment of East India Company inn Bengal, Battle of Plassey and Buxar- Causes, Events, Consequences. Dual Government in Bengal	18
II	Expansion of British Empire in India Reforms of Warren Hastings. Reforms of Lord Cornwallis. Lord Wellesley And Subsidiary Alliances with Indian States. Ranjit Singh and His Achievements. Lord Hastings and British Paramountcy, Reforms of Lord Hastings.	18



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	<p>Lord Dalhousie's Doctrine of Lapse, His Administration and Reforms.</p> <p>Lord William Bentinck and His Reforms.</p>	
III	<p>Resistance To British Rule and Indian Renaissance</p> <p>First War of Independence (1857) : Nature, Causes, Events, Results And Impact.</p> <p>Roll of Women n The Struggle- Laxmi Bai, Avanti Bai and Jija Bai.</p> <p>Communal Harmony in The Struggle of 1857. Causes of Failure of The Struggle.</p> <p>Indian Renaissance- Nature, Causes and Consequences. Socio-Religious Movements- Contribution of Raja Ram Mohan Rai, Ishwarchandra Vidyasagar, Dayanand Saraswati And Swami Vivekanand. Status of Women.</p>	18
IV	<p>Beginning Of Crown Rule and Rise of Mass Nationalism In India</p> <p>Queen Victoria's Proclamation, Internal Administration of Lord Lytton, and Ripon. Leading Factors of The Rise of National.</p> <p>Political Association and The Indian National Congress. Moderates, Partition of Bengal, and Swadeshi Movement.</p> <p>Surat Split and Extremists.</p> <p>Revolutionary Movement in India. Home Rule Movement. Lucknow Pact. Rowlett Act. Jallianwala Bagh Massacre.</p>	18
V	<p>Gandhi Era And Indian Independence</p> <p>Non-Cooperation Movement, Swaraj Party,</p> <p>Simon Commission, Lahore Congress.</p> <p>Civil Disobedience Movement, Round Table Conferences. Role of Revolutionaries in National Movement- Ras Bihari Bose, Ram Prasad Bismil, Bhagat Singh and Chandrashekhar Azad,</p> <p>Quit India Movement. Cripps Mission, Shimla Conference, Cabinet Mission,</p> <p>Subhas Chandra Bose and Indian National Army, Communal Politics and The Partition of India, Indian Independence Act 1947.</p>	18



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[Hindi text: राजनीति विज्ञान (राजनीति विज्ञान)]

B.A. IV Semester बी.ए. चतुर्थ सेमेस्टर	
Subject विषय	Political Science राजनीति विज्ञान
	<b>Major / Minor</b> प्रमुख / गौण विषय
Title of the paper प्रश्न पत्र का शीर्षक	Indian Political Thinkers भारतीय राजनीतिक चिंतक

Unit -1	<ol style="list-style-type: none"><li>1. Indian Political Thought: Introduction, Nature, Sources and Features</li><li>2. Manu- Ideas of State- The Origin and Form of the State, Saptanga Philosophy, Ideas of Exchequer and Economics, Mandala Principles and Six Fold Policy.</li><li>3. Kautilya : State- related Ideas- The Origin and Nature of the State, The Saptanga Doctrine, The Council of Ministers, The Justice and Penal System, The Mandala Doctrine and the Six Fold Policy.</li></ol>
इकाई -१	<ol style="list-style-type: none"><li>1. भारतीय राजनीतिक चिन्तन – परिचय, प्रकृति, स्रोत, विशेषताएँ</li><li>2. मनु –राज्य संबंधी विचार , राज्य की उत्पत्ति, स्वरूप, समांग दर्शन, राजकोष और अर्थ नीति संबंधी, मंडल सिद्धांत, और पद्गुन्य नीति ।</li><li>3. कौटिल्य – राज्य संबंधी विचार – राज्य की उत्पत्ति और स्वरूप, समांग सिद्धांत, मंत्रीपरिषद्, न्याय और दंड व्यवस्था, मंडल सिद्धांत, और पद्गुन्य नीति ।</li></ol>
Unit- 2	<ol style="list-style-type: none"><li>1. Rajaram Mohan Roy: Ideas on Social Reform, Ideas of Freedom and Equality</li><li>2. Swami Vivekananda: The Spiritual basis of Humanism, The Idea of Freedom, The Essence of Socialism</li><li>3. Lokmanya Bal Gangadhar Tilak: Social Reform Programme, National Education and Nationalism, Swadeshi and Swaraj</li><li>4. Shri Aurobindo Ghosh : Concept of Nationalism, Ideas related to Freedom</li></ol>
इकाई-२	<ol style="list-style-type: none"><li>1. राजा राम मोहन रॉय- समाज सुधार संबंधी विचार, स्वतंत्रता और समानता संबंधी विचार ।</li><li>2. स्वामी विवेकानंद- मानववाद का आध्यात्मिक आधार, स्वतंत्रता संबंधी विचार, समाजवाद का मार तत्व ।</li><li>3. लोकमान्य बाल गंगाधर तिलक – समाज सुधार कार्यक्रम, राष्ट्रीय शिक्षा और राष्ट्रवाद, स्वदेशी और स्वराज ।</li></ol>



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	४. श्री अरविन्द घोष – राष्ट्रवाद की संकल्पना, स्वतंत्रता संबंधी विचार।
Unit-3	<ol style="list-style-type: none"><li>1. Mahatma Gandhi: Spiritualization of Politics, The Ends and Means Relationship, The Idea of Non- Violence and Satyagraha, State, Economic Thought</li><li>2. Pt. Jawaharlal Nehru: Ideas of Nationalism, Democracy, Internationalism, State and Planning, Panchsheel, Non- Alignment</li><li>3. Subhas Chandra Bose: Nationalism, Freedom and Socialism, Role in the National Movement.</li><li>4. Dr. Bhimrao Ambedkar- Social Justice, Ideas of Freedom and Equality, Role of Dr. Ambedkar in Constitution Making.</li></ol>
इकाई-३	<ol style="list-style-type: none"><li>१. महात्मा गांधी – राजनीति का आध्यात्मिकरण, साध्य साधन संबंधी, अहिंसा एवम् सत्याग्रह संबंधी विचार, राज्य संबंधी विचार, आर्थिक चिंतन।</li><li>२. प. जवाहरलाल नेहरू- राष्ट्रवाद संबंधी विचार, लोकतंत्र, अंतरराष्ट्रीयतावाद, राज्य और नियोजन, पंचशील, गुटनिरपेक्षता।</li><li>३. सुभाष चंद्र बोस - राष्ट्रवाद, स्वतंत्रता और समाजवाद, राष्ट्रीय आंदोलन में भूमिका</li><li>४. डॉ. भीमराव अम्बेडकर- सामाजिक न्याय, स्वतंत्रता एवम् समानता संबंधी विचार, संविधान निर्माण में डॉ॰ अम्बेडकर की भूमिका।</li></ol>
Unit- 4	<ol style="list-style-type: none"><li>1. M.N. Roy: The Concept of New-Humanism, Marxism</li><li>2. Ram Manohar Lohia: Social and Political Ideas, Freedom, Equality, Concept of Chaukhamba State, Socialist Thought</li><li>3. Jayaprakash Narayan : Ideas on Democracy and Sarvodaya, Party System and Ideas on the Total Revolution</li><li>4. Pt. Deendayal Upadhyaya: The Concept of Integral Humanism, Nationalism and Economic Thought</li></ol>
	<ol style="list-style-type: none"><li>१. एम. एन. रॉय- नव- मानववाद की संकल्पना, मार्क्सवाद विषयक विचार।</li><li>२. राम मनोहर लोहिया – सामाजिक और राजनीतिक विचार, स्वतंत्रता, समानता, चौखंबा राज्य की संकल्पना, समाजवादी विचार।</li><li>३. जय प्रकाश नारायण- लोकतंत्र एवम् सर्वोदय संबंधी विचार, दलीय व्यवस्था और संपूर्ण क्रांति संबंधी विचार</li><li>४. प. दीन दयाल उपाध्याय – एकात्म मानववाद की अवधारणा, राष्ट्रवाद और आर्थिक विचार</li></ol>
Unit- 5	Contribution of Women Thinkers <ol style="list-style-type: none"><li>1. Pandita Ramabai</li><li>2. Tarabai Shinde</li><li>3. Savitribai Phule</li><li>4. Kamaladevi Chattopadhyay</li></ol>
	महिला विचारकों का योगदान <ol style="list-style-type: none"><li>१. पंडिता रामाबाई</li><li>२. ताराबाई शिंदे</li><li>३. सावित्रीबाई फुले</li><li>४. कमलादेवी चटोपाध्याय</li></ol>







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B.A. III Year राजनीति विज्ञान		
Subject विषय	Political Science राजनीति विज्ञान	
Paper पत्रिका	Minor / Elective गौण / वैकल्पिक	
Title of the paper पत्रिका का शीर्षक	State Politics in India भारत के राज्यों की राजनीति	
Max.Marks/अधिकतम अंक	Theory/दीर्घांक	Internal Assessment/आंतरिक मूल्यांकन
100	70	30

Unit -1	<ul style="list-style-type: none"><li>State formation after Independence and integration of Indian States</li><li>A case study of Junagarh, Hyderabad, Goa and Kashmir</li></ul>
इकाई-1	<ul style="list-style-type: none"><li>स्वतंत्रता के बाद राज्य का गठन और भारतीय राज्यों का एकीकरण</li><li>जूनागढ़, हैदराबाद, गोवा और काश्मीर की केस स्टडी</li></ul>
Unit-2	<ul style="list-style-type: none"><li>Colonial Administrative Units</li><li>Reorganization of States-Issues and perspectives</li><li>Language, Religion and Identity Formations</li></ul>
इकाई-2	<ul style="list-style-type: none"><li>औपनिवेशिक प्रशासनिक इकाइयों</li><li>राज्यों का पुनर्गठन – मुद्दे और दृष्टिकोण</li><li>भाषा, धर्म और पहचान संरचनाएं</li></ul>
Unit -3	<ul style="list-style-type: none"><li>Regional Identity (Regionalism), interests and Aspirations</li><li>Case and community polarization</li><li>State Politics responding to National Issues such as Secularism, Communalism and Politics of Minorities</li><li>Agrarian Politics</li></ul>
इकाई-3	<ul style="list-style-type: none"><li>क्षेत्रीय पहचान (क्षेत्रवाद), रुचियाँ और आकांक्षाएं</li><li>जाति और सामुदायिक ध्रुवीकरण</li><li>दलीय राजनीति और राष्ट्रीय मुद्दे जैसे- धर्म निरपेक्षता, साम्प्रदायवाद और अल्पसंख्यकों की राजनीति</li><li>कृषि राजनीति</li></ul>
Unit -4	<ul style="list-style-type: none"><li>Party Politics and Coalition government</li><li>Issues and trends in Centre-state Relations</li><li>Politics of the State against the Centre-State Relation</li><li>Role of Governor in State Politics</li></ul>
इकाई-4	<ul style="list-style-type: none"><li>पार्टी की राजनीति और गठबंधन सरकार</li><li>केंद्र-राज्य संबंधों में मुद्दे और रुझान</li><li>केंद्र-राज्य संबंधों के खिलाफ राज्य की राजनीति</li><li>राज्य की राजनीति में राज्यपाल की भूमिका</li></ul>
Unit-5	<ul style="list-style-type: none"><li>Inter-State Council</li><li>Inter-State Water Disputes</li><li>Inter-State Territorial Disputes</li><li>Implementation of Public Welfare Policies- such as Poverty Elimination, Food Security and Empowerment Policies</li></ul>
इकाई-5	<ul style="list-style-type: none"><li>अन्तराज्य परिषद्</li><li>अन्तराज्यीय जल विवाद</li><li>अन्तराज्यीय क्षेत्रीय विवाद</li><li>लोक कल्याणकारी नीतियों का कार्यान्वयन – जैसे गरीबी उन्मूलन, खाद्य सुरक्षा और अधिकारिता नीतियाँ</li></ul>



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B.A. III Year संस्कृत विभाग		
Subject विषय	Political Science राजनीति विज्ञान	DSE (Group A)
Paper पत्रिका	I	
Title of the paper प्रश्नपत्र का शीर्षक	India's Foreign Policy भारत की विदेश नीति	
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन
100	70	30

Unit -1	<b>Continuation and Change in India's Foreign Policy</b> 1. Historical Perspective of Indian Foreign Policy 2. Key Principles and Determinants of Indian Foreign Policy 3. Foreign Policy and National Interest 4. Non- Aligned Policy 5. India's Geo-Economic Strategy 6. India's Look East Policy
इकाई-1	<b>भारत की विदेश नीति में निरन्तरता और परिवर्तन</b> १. भारतीय विदेश नीति का ऐतिहासिक परिदृश्य २. भारतीय विदेश नीति के प्रमुख सिद्धांत व निर्धारक तत्व ३. विदेश नीति और राष्ट्रीय हित ४. गुटनिरपेक्षता की नीति ५. भारत की भू- आर्थिक रणनीति ६. भारत की पूर्व की ओर देखो नीति
Unit-2	<b>India As a Leading Power</b> 1. India is a Global Economic and Military Power 2. Multi-Polar World Order and India 3. New Frontiers of India's Foreign Policy : Outer Space, Polar Regions, Climate Change 4. India and The Indian Ocean 5. India's Geopolitics and Geo-Economics: One Road One Belt Issue 6. Rise of Indo-Pacific and Act East Policy of India
इकाई-2	<b>भारत एक अग्रणी शक्ति के रूप में</b> 1. भारत एक वैश्विक आर्थिक और सैन्य शक्ति 2. बहुध्रुवीय विश्व व्यवस्था और भारत 3. भारत की विदेश नीति के नए मोर्चे, बाहरी अंतरिक्ष, ध्रुवीय क्षेत्र, जलवायु परिवर्तन 4. भारत और हिन्द महासागर 5. भारत की भू-राजनीति और भू-अर्थशास्त्र वन रोड वन बेल्ट मूद्रा



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	6. इंडो- पेसिफिक का उदय और भारत की एकट ईस्ट पॉलिसी
Unit -3	<b>Major Super Powers and India</b>
	1. India's relations with the United States 2. India's relations with Russia 3. India- China Relations 4. India- EU Relations
इकाई-3	<b>प्रमुख महाशक्तियों और भारत</b>
	१. संयुक्त राज्य अमेरिका के साथ भारत के संबंध २. रूस के साथ भारत के संबंध ३. भारत -चीन संबंध ४. भारत-यूरोपीय संघ संबंध
Unit -4	<b>India and International Forum</b>
	1. India's Role in the United Nations 2. Demand for Reform in the United Nations Security Council 3. India's demand for Democratization of International Organizations 4. India and Nuclear Theory: NPT and CTBT 5. India's Role in Environmental Protection 6. Problem of Terrorism and India
इकाई-4	<b>भारत और अंतर्राष्ट्रीय संघ</b>
	1. संयुक्त राष्ट्र संघ में भारत की भूमिका 2. संयुक्त राष्ट्र सुरक्षा परिषद में सुधार की मांग 3. अंतर्राष्ट्रीय संगठनों के लोकतंत्रीकरण हेतु भारत की मांग 4. भारत व परमाणु सिद्धांत: एनपीटी और सीटीबीटी 5. पर्यावरण संरक्षण में भारत की भूमिका 6. आतंकवाद की समस्या और भारत
Unit-5	<b>India and South Asian Neighbouring States</b>
	1. Afghanistan 2. Pakistan 3. Bangladesh 4. Sri Lanka 5. Nepal 6. Bhutan 7. Maldives
इकाई-5	<b>भारत और दक्षिण एशियाई पड़ोसी राज्य</b>
	1. अफगानिस्तान 2. पाकिस्तान 3. बांग्लादेश 4. श्री लंका 5. नेपाल 6. भूटान 7. मालदीव





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St. Aloysius College (Autonomous) Jabalpur  
संत अलॉयसियस महाविद्यालय (स्वाशासी) जबलपुर

B.A. II Semester बी.ए. द्वितीय सेमेस्टर	
Subject विषय	Political Science राजनीति विज्ञान
	Major / Minor
	मुख्य/ गौण
Title of the paper प्रश्न पत्र का शीर्षक	Indian Constitution भारतीय संविधान
Unit -1	Genesis of the Indian Constitution and Salient Features 1. Constitutional Development in India 2. Making of the Constituent Assembly: History and Objectives 3. Salient Features of the Constitution: 3.1 Preamble 3.2 Fundamental Rights and Duties 3.3 Directive Principles of State Policy 3.4 Procedure for Constitutional Amendment
इकाई-1	भारतीय संविधान की उत्पत्ति एवम् विशेषताएँ 1. भारत में संवैधानिक विकास 2. संविधान सभा का निर्माण : इतिहास एवम् उद्देश्य 3. संविधान की प्रमुख विशेषताएँ 3.1 प्रस्तावना 3.2 मूल अधिकार एवम् कर्तव्य 3.3 राज्य के नीति निर्देशक तत्व 3.4 संविधान संशोधन की प्रक्रिया
Unit-2	Legislature 1. Central Legislature 1.1 Indian Parliament – Composition and Functions of the Lok Sabha and Rajya Sabha 1.2 Speaker of the Lok Sabha- Role, Power and Functions, Independence and Impartiality of the Speaker 1.3 Legislative procedure of the Parliament <i>1.4 Parliamentary Committees</i> 2. State Legislature 2.1 Vidhan Sabha- Composition and Functions 2.2 Vidhan Parishad- Composition and Functions
इकाई-2	1. केंद्रीय व्यवस्थापिका 1.1 भारतीय संसद- लोकसभा एवम् राज्यसभा की संरचना तथा कार्य 1.2 लोकसभा अध्यक्ष – भूमिका, शक्तियाँ एवम् कार्य, अध्यक्ष की स्वतंत्रता एवम् निष्पक्षता 1.3 संसद की विधायी प्रक्रिया 1.4 संसदीय समितियाँ। 2. राज्य व्यवस्थापिका 2.1 विधान सभा – संरचना एवम् कार्य 2.2 विधान परिषद्- संरचना एवम् कार्य।





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Unit -3	Executive 1. Union Executive 1.1 President- Power and Functions 1.2 Prime Minister- Role and Functions 1.3 Council of Ministers- Composition and Functions 2. State Executive 2.1 Governor- Power and Functions 2.2 Chief Minister- Power and Functions 2.3 State Council of Ministers
इकाई-3	कार्यपालिका 1. संघीय कार्यपालिका 1.1 राष्ट्रपति- शक्तियाँ एवम् कार्य 1.2 प्रधानमंत्री – भूमिका एवम् कार्य 1.3 मंत्रिपरिषद – संरचना, भूमिका एवम् कार्य । 2. राज्य कार्यपालिका 2.1 राज्यपाल – कार्य एवम् शक्तियाँ 2.2 मुख्यमंत्री – कार्य एवम् शक्तियाँ 2.3 राज्य मंत्रिपरिषद
Unit -4	Judiciary and Other Constitutional Bodies 1. Supreme Court- Composition and Jurisdiction 2. High Court- Composition and Jurisdiction 3. <b>Judicial Activism</b> 4. Constitutional Bodies 4.1 Election Commission 4.2 Union Public Service Commission 4.3 National Commission for SC's 4.4 National Commission for ST's 4.5 State Public Service Commission
इकाई-4	न्यायपालिका एवम् अन्य संवैधानिक निकाय 1. उच्चतम न्यायालय – संगठन एवम् क्षेत्राधिकार 2. उच्च न्यायालय – संगठन एवम् क्षेत्राधिकार । <b>3. न्यायिक सक्रियता</b> 4. संवैधानिक निकाय 4.1 निर्वाचन आयोग 4.2 केंद्रीय लोकसेवा आयोग 4.3 अनुसूचित जातियों के लिये राष्ट्रीय आयोग 4.4 अनुसूचित जनजातियों के लिये राष्ट्रीय आयोग 4.5 राज्य लोकसेवा आयोग ।
Unit-5	Division of Powers 1. Centre-State Relations 1.1. Legislative Relations 1.2. Administrative Relations 1.3. Financial Relations 2. Local Self Government- 73 <sup>rd</sup> and 74 <sup>th</sup> Amendment.
इकाई-5	शक्तियों का विभाजन 1. केंद्र राज्य संबंध 1.1 विधायी संबंध 1.2 प्रशासकीय संबंध 1.3 वित्तीय संबंध 2. स्थानीय स्वशासन – 73 वां एवम् 74 वां संशोधन



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M.A. II Semester एम.ए. द्वितीय सेमेस्टर			
Subject विषय	Political Science राजनीति विज्ञान		
Paper पत्रसंख्या	II द्वितीय		
Title of the paper पत्रसंख्या का शीर्षक	State Politics in India भारत में राज्यों की राजनीति		
	Core		
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन	Credit
50	40	10	5

Unit -1	State Executive: Governor, Chief Minister and Council of Ministers
इकाई-1	राज्य कार्यपालिका : राज्यपाल, मुख्यमंत्री और मंत्रिपरिषद्
Unit-2	State Legislature: Vidhan Sabha, Vidhan Parishad
इकाई-2	राज्य विधायिका : विधान सभा, विधान परिषद्
Unit -3	Judiciary: High Court and Subordinate Courts
इकाई-3	न्यायपालिका : उच्च न्यायालय और अधीनस्थ न्यायालय
Unit -4	Problem Areas: Increasing Demand for State Autonomy, Demand for the creation of New States, State Politics in the era of Globalization and Coalition politics, Interstate River water Disputes, Factors influencing State Politics in India.
इकाई-4	समस्याओं के क्षेत्र: राज्य स्वायत्ता के लिए बढ़ती मांग, नए राज्यों के निर्माण की मांग, वैश्वीकरण और साझा राजनीति के दौर में राज्यों की राजनीति, अंतरराज्यीय नदी -जल विवाद, भारत में राज्य राजनीति को प्रभावित करने वाले तत्व।
Unit-5	Inter- State Council, State Planning Commission, State Finance Commission, State Election Commission, Broad Patterns of State Politics in India.
इकाई-5	अंतरराज्यीय परिषद, राज्य योजना आयोग, राज्य वित्त आयोग, राज्य चुनाव आयोग, भारत में राज्यों की राजनीति की बृहत् प्रवृत्तियाँ।



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M.A. IV Semester एम.ए. चतुर्थ सेमेस्टर			
Subject विषय	Political Science राजनीति विज्ञान		
Paper पत्रिका	II द्वितीय		
Title of the paper प्रश्नपत्र का शीर्षक	Government and Politics of Madhya Pradesh म.प्र.शासन और राजनीति		
	Core		
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन	Credit
50	40	10	5
Unit -1	Reorganization of States (1956) and Formation of Madhya Pradesh. Division of Madhya Pradesh. Determinants and Characteristics of Madhya Pradesh Politics. Party System and Main Political Parties in Madhya Pradesh.		
इकाई-1	राज्यों का पुनर्गठन (1956) तथा मध्य प्रदेश का निर्माण । मध्य प्रदेश का विभाजन । मध्य प्रदेश की राजनीति के निर्धारक तत्व एवं विशेषताएं, मध्य प्रदेश की दलीय व्यवस्था एवं प्रमुख राजनीतिक दल ।		
Unit-2	Governor: Powers, Position and Role. Chief Minister and Council of Ministers: Powers, Position and Role. State Legislative Assembly: Organization and Powers. High Court in Madhya Pradesh: Jurisdiction and Role.		
इकाई-2	राज्यपाल : शक्ति, स्थिति एवं भूमिका । मुख्यमंत्री एवं मंत्रि परिषद् -शक्ति, स्थिति एवं भूमिका । राज्य विधानसभा : संगठन एवं शक्ति । मध्यप्रदेश में उच्च न्यायालय : क्षेत्राधिकार एवं भूमिका ।		
Unit -3	Administration in Madhya Pradesh: Structure, Secretariat, Chief Secretary, Secretary, Commissioner. District Administration in Madhya Pradesh : Role of Collector.		
इकाई-3	मध्य प्रदेश में प्रशासन : संरचना सचिवालय, मुख्यसचिव, सचिव, आयुक्त । मध्य प्रदेश में जिला प्रशासन : जिलाधीश की भूमिका ।		
Unit -4	Rural Local Self-Government in Madhya Pradesh : Organisation & Powers. Urban Local Self-Government in Madhya Pradesh : Organisation & Powers. Importance of Finance, Bureaucracy and Autonomy in Local Self-Government.		
इकाई-4	मध्यप्रदेश में ग्रामीण स्थानीय स्वशासन : संगठन एवं शक्तियां । मध्यप्रदेश में नगरीय स्थानीय स्वशासन संगठन एवं शक्तियां । वित्त का महत्व, स्थानीय स्वशासन में नौकरशाही एवं स्वायत्तता ।		
Unit-5	Emerging Trends in Madhya Pradesh Politics : Politics of Tribals, Politics of Dalits, Naxalite Problem, Women and Politics. Electoral Politics and Voting Behaviour. Development Politics in Madhya Pradesh.		
इकाई-5	मध्य प्रदेश की राजनीति में उभरती प्रवृत्तियाँ : जनजातीय राजनीति, दलित राजनीति, नक्सल समस्या, महिलाएँ और राजनीति । निर्वाचन की राजनीति एवं मतदान व्यवहार । मध्यप्रदेश में विकास की राजनीति ।		



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## St. Aloysius College (Autonomous) Jabalpur संत अलॉयसियस महाविद्यालय (स्वशासी) जबलपुर

M.A. IV Semester एम.ए. चतुर्थ सेमेस्टर			
Subject विषय	Political Science राजनीति विज्ञान		
Paper पत्रिका	III तृतीय		
Title of the paper प्रश्नपत्र का शीर्षक	Electoral Politics in India भारत में चुनावी राजनीति		
	Core Elective		
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन	Credit
50	40	10	5
Unit -1	Electoral Politics in India- Pre and Post Independence: Nature Characteristics and Change		
इकाई-1	स्वतंत्रता से पूर्व और पश्चात् भारत में चुनावी राजनीति – प्रकृति लक्षण और परिवर्तन		
Unit-2	Election Commission of India: Power, Functions and Role Determinants of Voting Behavior- Role of Caste, Religion, Language, Region and Social and Economic Class.		
इकाई-2	भारत का निर्वाचन आयोग : शक्ति, कार्य और भूमिका मतदान व्यवहार के निर्धारक तत्व – जाति, धर्म, भाषा, क्षेत्र और सामाजिक व आर्थिक वर्ग की भूमिका		
Unit -3	Party system in India: Nature, Classification, Ideology and Programmes, Organization and Leadership.		
इकाई-3	भारत में दल व्यवस्था : प्रकृति, वर्गीकरण, विचारधारा और कार्यक्रम, संगठन और नेतृत्व		
Unit -4	Electoral Reforms: Tarkunde, Goswamy and Indrajeet Gupta Committee Reports Electoral Reforms by the Election Commission during, T.N. Seshan and Lingdoh Regime.		
इकाई-4	चुनाव सुधार : तारकुण्डे, गोस्वामी और इंद्रजीत गुप्ता समिति प्रतिवेदन टी.एन.शेषन और लिंगदोह कार्यकाल के दौरान निर्वाचन आयोग द्वारा किए गए चुनाव सुधार		
Unit-5	Anti- Defection Law: A Critical Study, Majoritarian Parliamentary System Vs. Representational Parliamentary System.		
इकाई-5	दल बदल कानून : आलोचनात्मक अध्ययन, बहुमतवादी संसदीय व्यवस्था बनाम प्रतिनिध्यात्मक संसदीय व्यवस्था		





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संत अलॉयसियस महाविद्यालय (स्वशासी) जबलपुर

M.A. I Semester एम.ए.प्रथम सेमेस्टर			
Subject विषय	Political Science राजनीति विज्ञान		
Paper प्रश्नपत्र	I प्रथम		
Title of the paper प्रश्नपत्र का शीर्षक	Indian Political Thought भारतीय राजनीतिक चिंतन		
	Core		
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन	Credit
50	40	10	5
Unit -1	Overview of Indian Political Thought, Genesis and Development. The Renaissance-Raja Ram Mohan Roy, Balgangadhar Tilak, Vivekananda		
इकाई-1	भारतीय राजनीतिक विचार का अवलोकन, उत्पत्ति और विकास। पुर्नजागरण-राजा राममोहन रॉय, बाल गंगाधर तिलक, विवेकानन्द।		
Unit-2	Influences on the Ideas of Mahatma Gandhi Satya, Dharma, Shanti, Prem, Ahimsa, Asteya, Aparigraha, Swadeshi, Roti ke liye Sharm, Brahmacharya, Political Leader and Political Activist. Gandhi as an Statesman, Gandhi as an Economist Activist.		
इकाई-2	महात्मा गांधी के विचारों पर प्रभाव, सत्य, धर्म, शांति, प्रेम, अहिंसा, अस्तेय, अपरिग्रह, स्वदेशी, रोटी के लिए श्रम, ब्रह्मचर्य, गांधी एक राजनीतिक नेता और राजनीतिक कार्यकर्ता, गांधी एक राजनेता के रूप में, गांधी एक आर्थिक कार्यकर्ता के रूप में।		
Unit-3	Political Ideas of Pandit Jawahar Lal Nehru, Sir Sayyed Ahmad Khan, Mo. Ali Jinnah, Dr. Bhimrao Ambedkar.		
इकाई-3	पं. जवाहरलाल नेहरू, सर सैय्यद अहमद खान, मो. अली जिन्ना, डॉ. भीमराव अम्बेडकर के राजनीतिक विचार।		
Unit -4	Views of Ram Manohar Lohia, Jai Prakash Narayan, Acharya Narendra Rao.		
इकाई-4	राम मनोहर लोहिया, जय प्रकाश नारायण, आचार्य नरेन्द्र देव के विचार।		
Unit-5	Views of Din Dayal Upadhyay, M.N. Rai, Arvind Ghosh.		
इकाई-5	दीन दयाल उपाध्याय, एम.एन. राय, अरविन्द घोष के विचार।		



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M.A. I Semester एम.ए.प्रथम सेमेस्टर			
Subject विषय	Political Science राजनीति विज्ञान		
Paper प्रश्नपत्र	II द्वितीय		
Title of the paper प्रश्नपत्र का शीर्षक	Indian Government And Politics भारतीय शासन और राजनीति		
	Core		
Max.Marks/अधिकतम अंक	Theory/सैद्धांतिक	Internal Assessment/आंतरिक मूल्यांकन	Credit
50	40	10	5
Unit-1	Indian Constitution: Making of the Indian Constitution. Characteristics of Indian Constitution. Preamble. Fundamental Rights and Directive Principles of State Policy. Amendment Process. Federalism, Centre-State Relations.		
इकाई-1	भारतीय संविधान :- भारतीय संविधान का निर्माण, भारतीय संविधान की विशेषताएँ, प्रस्तावना, मौलिक अधिकार एवं राज्य के नीति निर्देशक तत्व, संशोधन प्रक्रिया । संघवाद, केन्द्र - राज्य सम्बन्ध ।		
Unit-2	Union Government: President, Prime Minister and Council of Ministers, Parliament. Supreme Court of India. Judicial Review and Judicial Activism.		
इकाई-2	केन्द्रीय सरकार : राष्ट्रपति, प्रधानमंत्री और मंत्रिपरिषद्, संसद। भारत का सर्वोच्च न्यायालय, न्यायिक पुनरावलोकन और न्यायिक सक्रियता।		
Unit-3	Political Parties and Pressure Groups. Nature of Party System, Major National Political Parties and Regional Political Parties. Pressure Groups: Types and Functioning.		
इकाई-3	राजनीतिक दल : दलीय व्यवस्था की प्रकृति, प्रमुख राष्ट्रीय राजनीतिक दल और क्षेत्रीय राजनीतिक दल, दबाव समूह : प्रकार और कार्य पद्धति।		
Unit -4	Determinants of Indian Politics: Caste, Communalism, Regionalism, Language, OBC and Dalits. Politics of Coalition Governments in India. Criminalization of Indian Politics.		
इकाई-4	भारतीय राजनीति के निर्धारक तत्व :-जाति, सम्प्रदायवाद, क्षेत्रीयतावाद ,भाषा ,पिछड़ा वर्ग एवं दलित। भारत में साझा सरकारों की राजनीति, भारतीय राजनीति का अपराधीकरण।		
Unit-5	Meaning, Nature and Determinants of State Politics. Impact of State Politics on National Politics. Comparative Study of Human Development Index of Indian States.		
इकाई-5	राज्य राजनीति का अर्थ, प्रकृति एवं निर्धारक तत्व । राष्ट्रीय राजनीति पर राज्यों की राजनीति का प्रभाव । राज्यों के मानव विकास सूचकांक का तुलनात्मक अध्ययन ।		



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## B.A/B.Sc. – II Semester

### (Paper - Major / Minor)

Course Title पाठ्यक्रम का शीर्षक	Indian Economy (भारतीय अर्थव्यवस्था)
Course Type पाठ्यक्रम का प्रकार	Major / Minor
Credit Value क्रेडिट मान	06
Max. Marks अधिकतम अंक	100

Unit (इकाई)	Topics (विषय वस्तु)
Unit -1 Introduction परिचय	<ol style="list-style-type: none"><li>1. Characteristics of Indian Economy.</li><li>2. Trends and Composition of National Income.</li><li>3. Sectoral Distribution of Work force.</li><li>4. Natural Resources Endowment- Land, Water, Livestock, Forest and Minerals.</li><li>5. Demographic Features- Population Composition, Size and growth Rates .</li><li>6. Problem and Causes of Over Population and Population Policy.</li></ol> <ol style="list-style-type: none"><li>1. भारतीय अर्थव्यवस्था की विशेषताएँ</li><li>2. राष्ट्रीय आय की क्षेत्रीय संरचना एवं प्रवृत्तिया</li><li>3. श्रमशक्ति का क्षेत्रीय वितरण</li><li>4. प्राकृतिक संसाधन सम्पदा- भूमि, जल, पशुधन, वन, खनिज</li><li>5. जनांकिकीय विशेषताए - जनसंख्या की संरचना आकार एवं वृद्धि दर</li><li>6. जनाधिक्य की समस्या एवं जनसंख्या नीति</li></ol>
Unit -2 Agriculture कृषि	<ol style="list-style-type: none"><li>1. Nature, Importance and Characteristics of Indian Agriculture .</li><li>2. Land Use Pattern and Land Reforms.</li><li>3. Trends in Agricultural Production and Productivity .</li><li>4. Green Revolution- Objective, Achievement and Failures.</li><li>5. Agricultural Finance and Insurance .</li><li>6. Agricultural Marketing .</li><li>7. New Technology in Agriculture.</li></ol> <ol style="list-style-type: none"><li>1. भारतीय कृषि की प्रकृति, महत्त्व और विशेषताएँ</li><li>2. भू उपयोग पद्धति एवं भूमि सुधार</li><li>3. कृषि उत्पादन और उत्पादकता की प्रवृत्तिया</li><li>4. हरितक्रांति-उद्देश, सफलताए एवं विफलताए</li><li>5. कृषि वित्त एवं बीमा</li><li>6. कृषि विपणन</li></ol>



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	7. कृषि में नवीन तकनीक
Unit -3 Industry and Infrastructure उद्योग एवं आधारभूत संरचना	<ol style="list-style-type: none"><li>1. Industrial Development of India after Independence.</li><li>2. New Industrial Policy of 1991.</li><li>3. Role of Public Sector and Private Sector in Industrialization</li><li>4. MSME- Definition, Characteristics and its Role</li><li>5. Problems and Remedies of Small Scale and Cottage Industries</li><li>6. Start Up India, Make in India and Aatm Nirbhar Bharat</li><li>7. Infrastructure Composition- Power, Transport and Communication.</li></ol> <ol style="list-style-type: none"><li>1. स्वतंत्रता प्राप्ति के पश्चात भारत का औद्योगिक विकास</li><li>2. नई औद्योगिक नीति 1991</li><li>3. औद्योगिकीकरण में सार्वजनिक एवं निजी क्षेत्र की भूमिका</li><li>4. सूक्ष्म, लघु और माध्यम उपक्रम (MSME) – परिभाषा, विशेषताएं एवं इनकी भूमिका</li><li>5. लघु एवं कुटीर उद्योगों की समस्याएं और समाधान</li><li>6. स्टार्टअप इंडिया, मेक इन इंडिया एवं आत्मनिर्भर भारत</li><li>7. आधारभूत संरचना –ऊर्जा, परिवहन एवं संचार</li></ol>
Unit -4 Foreign Trade and Development विदेशी व्यापार एवं विकास	<ol style="list-style-type: none"><li>1. Indian's Foreign Trade- Importance, Composition and Direction.</li><li>2. Role of Foreign Direct Investment and Multinational Corporations.</li><li>3. Disinvestment in India.</li><li>4. Indian Planning - Objectives, Achievements and Failures.</li><li>5. NITI Aayog.</li><li>6. Indian Economic Problems- Poverty, Unemployment and Regional Inequality.</li></ol> <ol style="list-style-type: none"><li>1. भारत का विदेशी व्यापार- महत्त्व, दशा एवं दिशा</li><li>2. प्रत्यक्ष विदेशी निवेश व बहुराष्ट्रीय निगमों की भूमिका</li><li>3. भारत में विनिवेश</li><li>4. भारतीय नियोजन - उद्देश, उपलब्धियां एवं विफलताएं</li><li>5. नीति आयोग</li><li>6. भारतीय आर्थिक समस्याएं- गरीबी, बेरोजगारी एवं क्षेत्रीय विषमताएं</li></ol>
Unit -5 Economy of Madhya Pradesh मध्यप्रदेश की अर्थव्यवस्था	<ol style="list-style-type: none"><li>1. Salient Features of Madhya Pradesh's Economy.</li><li>2. Natural Resources of Madhya Pradesh – Land, Forest, Water and Minerals.</li><li>3. Trends and Regional Disparities in Agricultural Sector of Madhya Pradesh.</li><li>4. Organic Farming and Polyhouse in Madhya Pradesh.</li><li>5. Industrial Development in Madhya Pradesh.</li><li>6. Infrastructure Development in Madhya Pradesh- Power, Transport and Communication.</li><li>7. Development of Tourism in Madhya Pradesh.</li><li>8. Employment Oriented Schemes in Madhya Pradesh.</li></ol>





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## B.A/B.Sc. – III Year

### Group- A

#### (Paper – I Major)

Course Title	Economics of Growth and Development
Course Type	Group "A" (Paper-I)
Course Code	A3-ECONID
Credit Value	06
Max. Marks	100

Unit	Topics
Unit 1- Introduction to Development Economics	1. Concept of Economic Development and Economics Growth and its Determinants 2. Indicators and Obstacles of Economic Development 3. Concept of Sarvagalam Development, its Characteristics and Relevance 4. The Vedic approach of Sustainable Development 5. Philosophy of Eightfold Path of Buddhism 6. Five Principle of Jainism 7. Concept of Gross Domestic Happiness, Its characteristics and Relevance 8. Review of Functions of Rajya- Anandam Sansthan of Government of Madhya Pradesh
Unit -2 Different Measures and Indicators of Development	1.Per capital Income(PCI) 2 Physical Quality of Life Index(PQLI) 3 Human Development Index(HDI) 4. Gender Related Development Index (GDI) 5 Gender Empower Measure(GEM) 6. Human Poverty Index(HPI) 7. Sen's Capability Approach 8. Inequality and Kuznet's Inverted 'U' Shape Curve 9. The Sustainable Development Goals(SDGs) 2030 Agenda
Unit-3 Theories of Growth	1. Concept of Anekanta 2. Adam Smit's Theory 3. Marx's Theory of Economics Development 4. Schumpeter's Theory 5. Rostow's Stages of Growth 6. Critical Minimum Effort Thesis 7. Balanced and Unbalanced Growth 8. Big push Theory



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Unit -4 Development models	<ol style="list-style-type: none"><li>1. Charvaka Philosophy of Materialism</li><li>2. Jhon Robinson's Growth Model</li><li>3. Harrod- Domer Growth Model</li><li>4. Nelson Low Income Equilibrium Trap Model</li><li>5. Neo Classical Theory Of Growth by Solow</li><li>6. Kaldor's Growth Model</li><li>7. Mahalanobis Four Sector Growth Model</li><li>8. <u>Interlinkages</u> Between Environment and Development</li></ol>
Unit -5 Development Planning in Indian Perspective	<ol style="list-style-type: none"><li>1. Contribution of Prof.Gadgil, Prof. Vakil and Prof. Brahmaanda in Using Disguised Unemployment as Saving Potential</li><li>2. Pandit Deendayal Upadhyay's Economics Thoughts</li><li>3. Objectives of Economic Planning in India</li><li>4. Genesis and Functions of Planning Commission in India</li><li>5. Role Goals ,Achievement and Failures of Five Year Plans in India</li><li>6. Composition , Role and Function of NITI Aayog</li><li>7. Planning Commission vs NITI Aayog</li></ol>



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## संत अलॉयसियस स्वशासी महाविद्यालय, जबलपुर (म.प्र.)

2023-2024

भाग अ परिचय -			
कार्यक्रम	यूजी लेबल प्रमाण पत्र	कक्षा बीए, बीकॉम, बीएससी, बीसीए, बीबीए	प्रथम सेमेस्टर सत्र 2023-2024
विषय: आधार पाठ्यक्रम			
1	पाठ्यक्रम का कोड	X1-FCEAIT	
2	पाठ्यक्रम का शीर्षक	भाषा और संस्कृति	
3	पाठ्यक्रम का प्रकार	आधार पाठ्यक्रम	
4	पूर्वापेक्षा	इस कोर्स का अध्ययन करने के लिए जिस विद्यार्थी ने किसी भी विषय से कक्षा बारहवीं प्रमाणपत्र डिप्लोमा किया हो, पात्र है।	
5	पाठ्यक्रम अध्ययन की उपलब्धियां कोर्स लर्निंग आउटकम	<ol style="list-style-type: none"><li>1. उत्कृष्ट साहित्य पाठों के अध्ययन से रुचि का विकास करना</li><li>2. सांस्कृतिक चेतना और राष्ट्रीय भावना का विकास करना</li><li>3. भाषा ज्ञान</li><li>4. सामान्य शब्दावली और विशेष शब्दावली के अध्ययन द्वारा भाषा एवं संस्कृति बोध का विकास करना</li><li>5. विशिष्ट शब्दावली से परिचित करवाते हुए बोध के स्तर को विकसित करना</li><li>6. प्रतियोगी परीक्षाओं हेतु तैयार करना</li></ol>	
6	क्रेडिट मान	02	
7	कुल अंक	50 अंक सैद्धांतिक मूल्यांकन - 30 अंक आंतरिक मूल्यांकन - 20 अंक	
भाग ब पाठ्यक्रम की विषयवस्तु			



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पाठ्यक्रम		
इकाई	पाठ	व्याख्यान की संख्या
इकाई 1	मैथिलीशरण गुप्त परिचय पाठ मातृभूमि कविता	0
	प्रेमचंद परिचय पाठ शतरंज के खिलाड़ी कहानी	
	व्यंग शरद जोशी जीप पर सवार इल्लियां	
इकाई 2	वैचारिक भारतीय भाषाओं में राम	0
	आचार्य रामचंद्र शुक्ल परिचय पाठ उत्साह भाग मुक्त निबंध	
	रामधारी सिंह दिनकर परिचय पाठ भारत एक है संस्कृति	
	आदि शंकराचार्य जीवन व दर्शन	
इकाई 3	पर्यायवाची शब्द, विलोम शब्द, अनेक शब्द, के लिए एक शब्द	10
	संधि और उसके प्रकार	
	बीज शब्द धर्म अद्वैत भाषा अवधारणा उदाहरण	

**अनुसंधित सहायक पुस्तकें/ ग्रंथ/ अन्य पाठ संसाधन/ पाठ सामग्री:**

**पाठ पुस्तकें -**

- सं. बडय्याल, पीतांबरदास, गोरखवानी, प्रकाशन हिंदी साहित्य सम्मेलन, प्रयाग
- दीक्षित, आनंद प्रकाश, विद्यापति पदावली, साहित्य मंदिर प्रकाशन, ग्वालियर
- सं. दास, श्यामसुंदर, कबीर ग्रंथावली, नागरी प्रचारिणी सभा, वाराणसी
- शुक्ल, आचार्य रामचंद्र, जायसी ग्रंथावली, नागरी प्रचारिणी सभा, वाराणसी
- शुक्ल, आचार्य रामचंद्र, भ्रमरगीत सार, लोकभारती प्रकाशन, इलाहाबाद
- गोस्वामी, तुलसीदास, श्री रामचरितमानस, गीता प्रेस, गोरखपुर
- रत्नाकर, जगन्नाथदास, विहारी रत्नाकर, रत्नाकर पब्लिकेशन, वाराणसी
- मिश्र, विश्वनाथ प्रसाद, भूषण ग्रंथावली, साहित्य सेवक कार्यालय, काशी
- शर्मा, हेमंत, भारतेंदु समय, हिंदी प्रचारक संस्था, वाराणसी
- शाही, सदानंद, अयोध्या सिंह उपाध्याय हरिऔध रत्नावली, वाणी प्रकाशन, नई दिल्ली
- प्रसाद, जयशंकर, कालायनी, लोकभारती प्रकाशन, इलाहाबाद
- शर्मा, रामविलास, राग विराग, लोकभारती प्रकाशन, इलाहाबाद







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## B.A/B.Sc. – III Year (Paper – II Minor/ Elective)

Course Title	Gender Economics
Course Code	A3-ECON2T
Course Type	Minor/ Elective
Credit Value	06
Max. Marks	100

Unit	Topics
<b>Unit-I</b> Introduction	<ol style="list-style-type: none"><li>1. Gender study- Concept, Objective, Nature and Scope</li><li>2. Importance of Gender study</li><li>3. Status of women in Indian society- From Early Vedic period to present</li><li>4. Role of Women Studies Centre- Recent trend in women's studies in India</li><li>5. Gender Equality- A Socio-economic need</li><li>6. Gender Inequality-Types, Causes and Effects</li><li>7. Vedic Teaching and women</li></ol>
<b>Unit- II</b> Women Demography and Health	<ol style="list-style-type: none"><li>1.Characteristics of Women Demography</li><li>2. Population of Girl Child and Age structure</li><li>3.Sex Ratio and Fertility- Causes of declining sex ratio and fertility rate in India</li><li>4.Theories and measurement of fertility and its control</li><li>5. Health status of women- Social, economic and cultural factors influencing health</li><li>6. Gender bias and poor health- Health care system</li><li>7.Role of Education in the upliftment in the women's status in India</li><li>8.Brief life sketch and Economics of thought of dominant Indian women<ol style="list-style-type: none"><li>8.1 Maitreyi</li><li>8.2 Gargi</li><li>8.3 Lopamudra</li><li>8.4 Rani Laxmibai</li><li>8.5 Kittur Chennamma</li><li>8.6 Rani Kamlapati</li></ol></li></ol>



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	<ul style="list-style-type: none"><li>8.7 Rani Durgawati</li><li>8.8 Joymoti Konwari</li><li>8.9 Ahilayabai Holkar</li></ul>
<b>Unit-III Women and Development</b>	<ul style="list-style-type: none"><li>1. Participation of Women in Indian Society- Agriculture, Industries, services and others</li><li>2. Role of Women in Indian Society</li><li>3. Female work participation in organized and unorganized sector</li><li>4. Women in labour market- discrepancy in work and wages</li><li>5. Impact of technological development and modernization on women's work participation in various sectors</li><li>6. Contribution of women in National Income</li><li>7. Concept of Gender Development Index (GDI) and Gender Gap Index (GGI)</li><li>8. Gender issues and Sustainable Development Goals</li></ul>
<b>Unit-IV Women Empowerment</b>	<ul style="list-style-type: none"><li>1. Women Empowerment- Concept and Need and Challenges</li><li>2. National policies for the Empowerment of women</li><li>3. Women's activities and ecological and environmental concerns</li><li>4. Democratic Decentralization and Women's Empowerment in India</li><li>5. Role of Self Help Groups and voluntary organisations in Women Empowerment</li><li>6. Welfare schemes for Women Empowerment</li><li>6.1 Indira Awas Yojana</li><li>6.2 MNREGA</li><li>6.3 Mudra Yojana</li><li>6.4 Make in India</li><li>6.5 Startup India</li><li>6.6 Atmanirbhar Yojana</li><li>6.7 Beti Bachao Beti Padhao Scheme</li></ul>
<b>Unit-V Women and Entrepreneurship</b>	<ul style="list-style-type: none"><li>1. Women Entrepreneurship- Concept, Need and Importance</li><li>2. Small Industries Development Bank of India (SIDBI)</li><li>3. Indian Institute of Entrepreneurship (IIE)</li><li>4. Role of women in economic decision making and control</li><li>5. Gender Budgeting</li><li>6. National Commission for Women</li></ul>



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## B.A/B.Sc. – III Semester (Paper – Major/Minor)

Course Title पाठ्यक्रम का शीर्षक	Macro Economics (समिति अर्थशास्त्र)
Course Type पाठ्यक्रम का प्रकार	Major/Minor
Credit Value क्रेडिट मान	06
Max. Marks अधिकतम अंक	100

Unit (एकाई)	Topics (विषयवस्तु)
Unit 1- Concept of Macro Economics समिति अर्थशास्त्र की अवधारणा	<ol style="list-style-type: none"><li>1. Definition of Macro Economics, Subject Matter, Importance and Limitations</li><li>2. Interrelationship between Micro and Macro Economics.</li><li>3. Macro Economics Variables- Stock and Flow.</li><li>4. Circular Flow of Income</li><li>5. Definition and Different Concepts of National Income</li><li>6. Methods of Measuring National Income</li><li>7. Social Accounting of National Income</li><li>8. National Income and Economic Welfare</li><li>9. Ancient Indian Concept of Income, Debt and Charity. ( Market Failure and Charity) - Rig Ved-117 Hymn, Bhisim Parv of Mahabharata (Book/Vol -VI)</li></ol> <ol style="list-style-type: none"><li>1. समिति अर्थशास्त्र की परिभाषा, विषयवस्तु महत्व एवं सीमाएँ</li><li>2. समिति और अर्थ अर्थशास्त्र में अंतर्संबंध</li><li>3. समिति आर्थिक चर –स्टॉक और प्रवाह</li><li>4. आय का चक्रीय प्रवाह</li><li>5. राष्ट्रीय आय की परिभाषा एवं विभिन्न अवधारणाएँ</li><li>6. राष्ट्रीय आय को मापने की विधियाँ</li><li>7. राष्ट्रीय आय का सामाजिक लेखांकन</li><li>8. राष्ट्रीय आय एवं आर्थिक कल्याण</li><li>9. आय, ऋण और दान की प्राचीन भारतीय अवधारणा (बाजार की विफलताएँ और दान ) ऋग्वेद ऋचा-117, महाभारत का भीष्म पर्व (पुस्तक /खण्ड-VI)</li></ol>



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Unit -2 Determination of Employment रोजगार का निर्धारण:	<ol style="list-style-type: none"><li>1. Classical Theory of Employment- Say's Market Law, Wage Price Flexibility.</li><li>2. Keynes' Employment Theory- Aggregate Demand Function, Aggregate Supply Function and Effective Demand.</li><li>3. Applicability of Keynes' Employment Theory in Developing Countries.</li><li>4. Psychological Law of Consumption.</li><li>5. Consumption Function- Marginal Propensity to consume, Average Propensity to Consume, Marginal Propensity to Save and Average Propensity to Save.</li><li>6. Principle of Multiplier.</li><li>7. Accelerator Principle</li></ol> <p>1.रोजगार का प्रतिष्ठित सिद्धांत- 'ने' का बाजार नियम, मजदूरी कीमत नम्यता 2.कीन्स का रोजगार सिद्धांत- समग्र मांग फलन, समग्र पूर्ति फलन,प्रभावपूर्ण मांग</p> <p>3.विकासशील देशों में कीन्स के रोजगार सिद्धांत की व्यावहारिकता</p> <p>4.उपभोग का मनोवैज्ञानिक नियम</p> <p>5.उपभोग फलन – सीमांत उपभोग प्रवृत्ति, औसत उपभोग, सीमांत बचत प्रवृत्ति, औसत बचत प्रवृत्ति</p> <p>6.गुणक सिद्धांत</p> <p>7.त्वरक सिद्धांत</p>
Unit -3 Investment विनियोग:	<ol style="list-style-type: none"><li>1. Investment – Meaning, Types and Motivation.</li><li>2. Marginal Efficiency of Capital (MEC).</li><li>3. Marginal Efficiency of Investment (MEI).</li><li>4. Keynes's Liquidity Preference Theory</li><li>5. Determination of Equilibrium IS Curve in Real Sector and Equilibrium LM Curve in Monetary sector-IS-LM Model.</li><li>6. Monetary Policy- Meaning, Tools and Effectiveness.</li><li>7. Fiscal Policy- Meaning, Tools and Effectiveness.</li></ol> <p>1. विनियोग- अर्थ , प्रकार एवं प्रेरणा</p> <p>2. पूंजी की सीमांत क्षमता (MEC)</p> <p>3. विनियोग की सीमांत क्षमता (MEI)</p> <p>4. कीन्स का तरलता पसंदगी सिद्धांत</p> <p>5. वास्तविक क्षेत्र में साम्य आई एस वक्र (IS CURVE) एवं मौद्रिक क्षेत्र में साम्य एल एम (LM) वक्र का निर्धारण-आई एम - एल एम (ISLM) मॉडल</p> <p>6. मौद्रिक नीति - अर्थ, उपकरण एवं प्रभावशीलता</p> <p>7. राजकोषीय नीति - अर्थ , उपकरण एवं प्रभावशीलता</p>



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Unit -4 Inflation and Deflation मुद्रास्फीति, अवस्फीति	<ol style="list-style-type: none"><li>1. Meaning of Inflation, Deflation and Stagflation.</li><li>2. Types and Effects of Inflation.</li><li>3. Principles of Inflation- Demand pull Inflation and Cost Push Inflation.</li><li>4. Measures to control Inflation.</li><li>5. Effects of Deflation and Measure to control Deflation.</li><li>6. Philips Curve.</li><li>7. Measurements of Inflation in India-Wholesale Price Index (WPI), Consumer Price Index (CPI), GDP deflator</li></ol> <ol style="list-style-type: none"><li>1. मुद्रास्फीति, अवस्फीति, स्थितिजनित मंदी (Stagflation) का अर्थ</li><li>2. मुद्रास्फीति के प्रकार एवं प्रभाव</li><li>3. मुद्रास्फीति के सिद्धांत- मांग प्रेरित स्फीति एवं लागत प्रेरित स्फीति</li><li>4. मुद्रास्फीति को नियंत्रण करने के उपाय</li><li>5. अवस्फीति के प्रभाव एवं नियंत्रण करने के उपाय</li><li>6. फिलिप्स वक्र</li><li>7. भारत में मुद्रास्फीति का मापन - थोक मूल्य सूचकांक (WPI), उपभोक्ता मूल्य सूचकांक (CPI) जी डी पी इण्डेक्सटर</li></ol>
Unit -5 Trade Cycle व्यापार चक्र	<ol style="list-style-type: none"><li>1. Meaning and Phases of Trade cycle</li><li>2. Theories of Trade Cycle</li><li>3. Schumpeter's Innovation Theory</li><li>4. Keynesian Theory.</li><li>5. Kaldor's Theory</li><li>6. Samuelson's Theory</li><li>7. Hicksian Theory</li><li>8. Measures to control Trade Cycle</li></ol> <ol style="list-style-type: none"><li>1. व्यापार चक्र का अर्थ और अवस्थाएं</li><li>2. शैम्पेटर सिद्धांत</li><li>3. कुल्डोर का अव्यवर्तन सिद्धांत</li><li>4. कीन्स का सिद्धांत</li><li>5. कॉल्डोर का सिद्धांत</li><li>6. समुएलसन का सिद्धांत</li><li>7. हिक्स का सिद्धांत</li><li>8. व्यापार चक्र को नियंत्रित करने के उपाय</li></ol>







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## संत अलॉयसियस स्वशासी महाविद्यालय, जबलपुर (म.प्र.)

2023-2024

भाग अ परिचय -			
कार्यक्रम प्रमाण पत्र	कक्षा वी ए	प्रथम सेमेस्टर	सत्र 2023-2024
विषय: हिंदी साहित्य			
1	पाठ्यक्रम का कोड	AI-HLIT1T	
2	पाठ्यक्रम का शीर्षक	हिन्दी काव्य	
3	पाठ्यक्रम का प्रकार	कोर कोर्स (मेजर माईनर )	
4	पूर्वापेक्षा	इस कोर्स का अध्ययन करने के लिए विद्यार्थी ने किसी भी विषय से कक्षा बारहवीं प्रमाण पत्र डिप्लोमा किया हो, पात्र है।	
5	पाठ्यक्रम अध्ययन की उपलब्धियां कोर्स लर्निंग आउटकम	1.इस पाठ्यक्रम के अध्ययन से विद्यार्थी हिंदी काव्य की सुदीर्घ परंपरा से परिचित होंगे। 2.प्रसिद्ध रचनाओं के अध्ययन से देश की सामाजिक सांस्कृतिक एवं राष्ट्रीय पृष्ठभूमि से सुविज्ञ होंगे। विद्यार्थियों के व्यक्तित्व का विकास होगा, उनकी जीवन दृष्टि का विस्तार होगा जिससे वह जीवन एवं जीवन मूल्यों को समझने में सक्षम होंगे। 4.रचनात्मक कौशल में दक्षता होगी जिससे उन्हें रोजगार की अनेक संभावनाएं मिलेगी।	
6	क्रेडिट मान	06	
7	कुल अंक	100 सैद्धांतिक मूल्यांकन - 60 आंतरिक मूल्यांकन - 40	
भाग ब पाठ्यक्रम की विषयवस्तु			
व्याख्यान की कुल संख्या 90			
इकाई	विषय	व्याख्यान की संख्या	
इकाई 1	भारतीय ज्ञान परंपरा के अंतर्गत हिंदी साहित्य के इतिहास की पृष्ठभूमि एवं प्रमुख काव्य		





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	<p>1 हिंदी साहित्य के इतिहास की पृष्ठभूमि</p> <p>1.1 काल विभाजन एवं नामकरण</p> <p>1.2 आदिकाल की सामाजिक एवं सांस्कृतिक पृष्ठभूमि</p> <p>1.3 आदिकालीन काव्य धाराएं एवं प्रवृत्तियां</p> <p>1.4 आदिकालीन कवि</p> <p>॥ प्रमुख कवि</p> <p>2.1 गोरखनाथ व्याख्या एवं समीक्षा गोरख बानी सबदी पद – 2,4,7,8,16 राग रामगी पद – 10,11</p> <p>2.2 चंद बरदाई व्याख्या एवं समीक्षा पृथ्वीराज रासो कनकज्जा समय कवित – 144,145,146</p> <p>2.3 विद्यापति व्याख्या एवं समीक्षा पदावली – पद सं – 1,49,54,55,58</p>	16
इकाई 2	<p>॥ भक्ति काल एवं प्रमुख कवि</p> <p>1.1 भक्ति आंदोलन सामाजिक सांस्कृतिक पृष्ठभूमि</p> <p>1.2 काव्य धाराएं एवं प्रवृत्तियां</p> <p>1.3 प्रमुख निर्गुण एवं सगुण कवि, भक्ति काल की प्रवृत्तियां</p> <p>2 प्रमुख कवि - निर्गुण मार्गी</p> <p>2.1 कबीर दास व्याख्या एवं समीक्षा साखी - गुरुदेव को अंग – 1,5,7,11,13 विरह को अंग – 4,10,12,20,23 पद –</p> <ul style="list-style-type: none"><li>• दुल्हनी गावहु मंगलघार</li><li>• पंडित बाद बदते झूठा</li><li>• लोका मति के भोरा रे</li><li>• बोलौ भाई राम की दुहाई</li></ul> <p>2.1 मलिक मोहम्मद जायसी व्याख्या एवं समीक्षा मानसरोदक खंड - पद संख्या 1 से 3</p> <p>3 प्रमुख कवि सगुणमार्गी</p> <p>3.1 सूरदास व्याख्या एवं समीक्षा पद संख्या – 21.23.25.85</p>	18





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	<p>3.2 गोस्वामी तुलसीदास व्याख्या एवं समीक्षा अयोध्याकांड मागी नाय न केयट आना। कहइ तुम्हार मरमु में जाना ॥ से बिदा कीन्ह करुनायतन भगति विमल बरु देइ। (102 दोहा तक)</p>	
इकाई 3	<p>1 रीतिकाल की पृष्ठभूमि एवं प्रमुख कवि 1.1 रीतिकाल की सामाजिक, सांस्कृतिक पृष्ठभूमि 1.2 रीतिकालीन साहित्य के प्रमुख भेद - रीति सिद्ध, रीतिवद्ध, रीतिमुक्त 1.3 रीतिकाल की प्रवृत्तियां 2 प्रमुख कवि 2.1 विहारी व्याख्या एवं समीक्षा दोहा क्रमांक 1, 16, 18, 20, 21, 25, 27, 28, 37, 46 2.2 भूषण (व्याख्या एवं समीक्षा) शिया बावनी पद संख्या 4, 25, 26 छत्रसाल दशक पद संख्या - 1, 7</p>	16
इकाई 4	<p>1 आधुनिक काल की पृष्ठभूमि एवं प्रमुख कवि 1.1 आधुनिक काल की सामाजिक, सांस्कृतिक पृष्ठभूमि, पुनर्जागरण काल, हिंदी नवजागरण काल एवं प्रवृत्तियां 1.2 भारतेंदु युगीन साहित्य एवं प्रवृत्तियां 1.3 द्विवेदी युगीन साहित्य एवं प्रवृत्तियां 1.4 छायावाद युगीन साहित्य एवं प्रवृत्तियां 2 प्रमुख कवि 2.1 भारतेंदु हरिश्चंद्र (व्याख्या एवं समीक्षा) हिंदी भाषा - निज भाषा उन्नति अहै सब उन्नति को मूल (10 दोहे) 2.2 अयोध्या सिंह उपाध्याय हरिऔध (व्याख्या एवं समीक्षा) काव्य - एक बूंद मीठी बोली 2.3 जयशंकर प्रसाद (व्याख्या एवं समीक्षा) कामायनी के श्रद्धा सर्ग से - प्रकृति के जीवन का श्रृंगार करेंगे कभी ना बासी फूल से खिंची आवेगी सकल समृद्धि तक का अंश 2.4 सूर्यकांत त्रिपाठी निराला (व्याख्या एवं समीक्षा) जागो फिर एक बार : भाग 2, यह तोड़ती पत्थर 2.5 महादेवी वर्मा (व्याख्या एवं समीक्षा)</p>	20





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	मैं नीर भरी दुख की बदली वीन भी हूँ मैं तुम्हारी, रागिनी भी हूँ	
इकाई 5	1 छायावादोत्तर काव्य धाराएं एवं प्रमुख कवि 1.1 उत्तर छायावाद की विविध वैचारिक प्रवृत्तियां 1.2 प्रगतिवाद साहित्य एवं प्रवृत्तियां 1.3 प्रयोगवाद साहित्य एवं प्रवृत्तियां 1.4 नई कविता, समकालीन कविता प्रमुख प्रवृत्तियां 2 प्रमुख कवि 2.1 अज्ञेय (व्याख्या एवं समीक्षा) नदी के द्वीप, यह दीप अकेला 2.2 गजानन माधव मुक्तिबोध (व्याख्या एवं समीक्षा) मैं तुम लोगों से दूर हूँ, भूल गलती 2.3 नागार्जुन (व्याख्या एवं समीक्षा) अकाल और उसके बाद, बादल को घिरते देखा है 2.3 धूमिल (व्याख्या एवं समीक्षा) रोटी और संसद, बीस साल बाद 2.4 इंदु बाहदुर खरे (व्याख्या एवं समीक्षा) मृत्यु पथ का राही (सुरवाला) 3 अभ्यास 3.1 काव्य पाठ (संस्वर) 3.2 सुलेखन 3.3 शुद्धवाचन	20

**अनुसंधित सहायक पुस्तकें/ ग्रंथ/ अन्य पाठ संसाधन/ पाठ सामग्री:**

**पाठ पुस्तकें -**

- सं. बडथवाल, पीतांबरदत्त, गोरखवाणी, प्रकाशन हिंदी साहित्य सम्मेलन, प्रयाग
- दीक्षित, आनंद प्रकाश, विद्यापति पदावली, साहित्य मंदिर प्रकाशन, ग्वालियर
- सं. दास, श्यामसुंदर, कबीर ग्रंथावली, नागरी प्रचारिणी सभा, वाराणसी
- शुक्ल, आचार्य रामचंद्र, जायसी ग्रंथावली, नागरी प्रचारिणी सभा, वाराणसी
- शुक्ल, आचार्य रामचंद्र, भ्रमरगीत सार, लोकभारती प्रकाशन, इलाहाबाद
- गोस्वामी, तुलसीदास, श्री रामचरितमानस, गीता प्रेस, गोरखपुर





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## संत अलॉयसियस स्वशासी महाविद्यालय, जबलपुर (म.प्र.)

2023-2024

### आधार पाठ्यक्रम प्रथम पत्रपत्र -हिन्दी भाषा

भाग अ परिचय -			
कार्यक्रम	यूजी नेचल डिग्री	कक्षा: बी.ए./ बी.कॉम./ बी.एस.सी./ बी.एच.एस.सी./ बी.सी.ए./ बी.बी.ए.	तृतीय वर्ष सत्र 2023-24
विषय: आधार पाठ्यक्रम			
1	पाठ्यक्रम का कोड	X3-FCEAIT	
2	पाठ्यक्रम का शीर्षक	भाषा और संस्कृति	
3	पाठ्यक्रम का प्रकार	आधार पाठ्यक्रम	
4	कोर्स अपेक्षित	स्नातक द्वितीय वर्ष उत्तीर्ण किसी भी विषय समूह से।	
5	कोर्स अधिगम उपलब्धि (लर्निंग आउटकम) (CLO)	1 इस पाठ्यक्रम के अध्ययन से विद्यार्थी हिंदी के प्रसिद्ध रचनाकार एवं उनकी रचनाओं से परिचित हो सकेंगे। 2 पठित रचनाओं के माध्यम से विद्यार्थी देश की सभ्यता एवं संस्कृति से परिचित हो सकेंगे। 3 पाठ्यक्रम के अध्ययन से विद्यार्थियों के व्यक्तित्व का बहुमुखी विकास होगा एवं रोजगार के अवसर उपलब्ध होंगे। 4 विशिष्ट शब्दावली (बीज शब्द/की वर्ड) से परिचित करवाते हुए बोध के स्तर को विकसित करना।	
6	क्रेडिट मान	02 क्रेडिट	
7	सैद्धांतिक अंक	50 अंक	
8	उत्तीर्ण अंक	17 अंक	
9	समय	2 घंटा	







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व्याख्यान की कुल संख्या वर्ष में अधिकतम 30 घंटे		
(भाग-बी) कोर्स सामग्री		
पाठ्यक्रम		
इकाई	विषय	व्याख्यान घंटा
1	1 भवानी प्रसाद मिश्र : परिचय पाठ : सतपुड़ा के जंगल 2 उषा प्रियंवदा : परिचय पाठ : वापसी 3 विवेकानन्द पाठ : शिकागो व्याख्यान	10
2	1 विद्यानिवास मिश्र : परिचय पाठ : आँगन का पंखी 2 महात्मा गाँधी पाठ : आत्मकथा के अंश 3 विश्व के प्रमुख धर्म।	10
3	1 वाक्य रचना एवं अशुद्धि शोधन 2 अनुवाद : अर्थ एवं प्रकार 3. बीज शब्द (Key Words / अवधारणा मूलक शब्द) लोकतन्त्र, समरसता, कला, साहित्य, अध्यात्म।	10

(भाग-स)

### अनुशंसित अध्ययन संसाधन

क्र.	पाठ्यपुस्तकें, संदर्भ पुस्तकें, अन्य संसाधन
1	महात्मा गाँधी: सत्य के साथ मेरे प्रयोग, प्रभात प्रकाशन, नई दिल्ली
2	विश्व के प्रमुख धर्म: जी.आर.सिंह
3	वासुदेव नन्दन प्रसाद आधुनिक हिन्दी व्याकरण और रचना, भारती भवन, पटना, बिहार
4	हिन्दी ज्ञान कोश
5	उषा प्रियंवदा : वापसी
6	अनुशंसित विजिटल प्लेटफॉर्म न लिंक
	1. <a href="http://book.google.com/books">book.google.com&gt;books</a>
	2. <a href="http://kavitakosh.org">http://kavitakosh.org</a> >भवानीप्रसाद मिश्र
	3. भवानीप्रसाद मिश्र - Wikipedia
	4. <a href="http://m.youtube.com/watch">http://m.youtube.com watch</a>



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2023-2024

### प्रश्नपत्र (सैद्धांतिक)

भाग अ परिचय		
कार्यक्रम: उपाधि (डिग्री)	कक्षा : बी.ए.	वर्ष: तृतीय वर्ष
सत्र: 2023-24		
विषय: हिंदी साहित्य		
1	पाठ्यक्रम का कोड	A3-HLIT2T
2	पाठ्यक्रम का शीर्षक	लोक-साहित्य एवं लोक संस्कृति
3	पाठ्यक्रम का प्रकार : (कोरकोर्स/इलेक्टिव/जेनेरिक इलेक्टिव/ वोकेशनल/माइनर ...)	माइनर / elective (सैद्धांतिक)
4	पूर्वापेक्षा (Prerequisite) (यदि कोई हो)	इस कोर्स का अध्ययन करने के लिए, छात्र ने हिन्दी साहित्य विषय का अध्ययन डिप्लोमा में किया हो।
5	पाठ्यक्रम अध्ययन की परिलब्धियां (कोर्स लर्निंग आउटकम) (CLO)	<ul style="list-style-type: none"><li>विद्यार्थी लोक जीवन शैली से भिन्न होंगे।</li><li>लोक साहित्य की विविध विधाओं का अध्ययन कर अपने ज्ञान और अनुभव से शोध कार्य करने में समर्थ होंगे।</li><li>लोक कला के क्षेत्र में कौशल विकास कर, रोजगार प्राप्त कर सकेंगे।</li><li>लोक गीत, संगीत, नाट्य अभिनय आदि में रुचि रखने वाले विद्यार्थी संगीत नाट्य एवं फिल्म आदि क्षेत्रों में नया प्रयोग करते हुए देश-विदेश में यश एवं अर्थोपार्जन कर सकेंगे।</li></ul>
6	क्रेडिट मान	06
7	कुल अंक	अधिकतम अंक : 30+70 न्यूनतम उत्तीर्ण अंक : 35
भाग ब - पाठ्यक्रम की विषयवस्तु		
व्याख्यान की कुल संख्या- प्रायोगिक (प्रति सप्ताह घंटे में): L-3-T-P		
इकाई	विषय	व्याख्यान की





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		संख्या (1 घंटा / व्याख्यान) 90
इकाई 1	लोक-साहित्य एवं लोक संस्कृति की अवधारणा: <ul style="list-style-type: none"><li>• लोक, लोक साहित्य एवं लोक संस्कृति की अवधारणा</li><li>• लोक वार्ता और लोक संस्कृति,</li><li>• लोक संस्कृति और साहित्य का अंतःसंबन्ध</li></ul>	18
इकाई 2	लोक साहित्य के प्रमुख रूप एवं संकलन <ul style="list-style-type: none"><li>• लोक साहित्य के प्रमुख रूपों का वर्गीकरण लोकगीत, लोकनाट्य, लोक कथा एवं लोक गाथा,</li><li>• लोक-साहित्य की अध्ययन प्रक्रिया एवं संकलन की समस्याएँ</li></ul>	18
इकाई 3	लोकगीत एवं लोकनाट्यस्वरूप : प्रकार एवं विशेषताएँ- <ul style="list-style-type: none"><li>• लोकगीत - अर्थ, परिभाषा एवं प्रकार (संस्कार गीत वृत्त गीत, पर्व गीत, श्रम गीत एवं ऋतु गीत आदि)</li><li>• लोकनाट्य अवधारणा एवं प्रकार (रामलीला, रासलीला, कीर्तनिया, स्वाँग, यक्षगान, भवाई, नौटंकी माच, तमाशा, विदेसिया जात्रा आदि का संक्षिप्त परिचय</li></ul>	18
इकाई 4	लोककथा एवं लोक गाथास्वरूप प्रकार एवं विशेषताएँ- <ul style="list-style-type: none"><li>• लोककथा अर्थ परिभाषा स्वरूप एवं प्रकार व्रतकथा, परिकथा, नागकथा, बोधकथा आदि।</li><li>• कथानक रूढ़ियाँ अभिप्राय/</li><li>• लोकगाथा, गोपीचन्दभरथरी नलदमयन्ती आदि।</li><li>• लोककथाओं एवं गाथाओं का सामाजिक जीवन पर प्रभाव</li></ul>	18
इकाई 5	लोक संगीत, लोक नृत्य एवं अन्य विधाएँ- <ul style="list-style-type: none"><li>• लोक संगीत, लोक वाद्य एवं विशिष्ट लोक ध्वनि से आशय, स्वरूप</li><li>• लोक नृत्य के विविध रूप</li><li>• मुहावरे कहावतें, पहेलियाँ</li><li>• मेले एवं हाट</li><li>• संबंधित क्षेत्र के लोक साहित्य एवं संस्कृति का अध्ययन</li></ul>	18



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## DEPARTMENT OF HISTORY

YEARLY SYSTEM, NEP

SESSION- 2023-24

CLASS: BA. THIRD YEAR

HISTORY MAJOR

DISCIPLINE SPECIFIC ELECTIVE

PAPER - I MAIN CURRENTS OF WORLD HISTORY (FROM 1453 TO 1870CE)

CREDITS -06

TOTAL MARKS-

70

UNITS	TOPICS	NO OF LECTURES
I	<b>Bhakti Movement in India</b> Beginning of New Era in Europe <b>Bhakti Movement in India and It's Saints-</b> Kabir, Nanak and Meerabai  Decline of Feudalism in Europe and the Renaissance. Reformation and Counter Reformation Movement. Economic Revolution of the Modern West-mercantilism and Commercial Revolution	18
II	<b>Industrial Revolution and Beginning of Colonialism</b> Industrial Revolution in England Causes and Impact on Society. Industrialization in other Countries - USA, Germany, Russia, Japan. Beginning of Colonialism	18
III	<b>Prominent Revolution and their Impact</b> Glorious Revolution of England(1688CE), American Freedom Struggle (1776 CE) and French Revolution (1789CE -Nature Causes, Event, Results and Effects of the Revolutions	18



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IV	<b>Napoleon, Metternich and Eastern Question</b> Napoleon Bonaparte-his policies and Decline, Vienna Congress (1815) Metternich-Home and Foreign Policies Revolutions of 1830and 1848A.D. and their impact on Europe. Eastern Question-upp to Crimean War.	18
V	<b>Age of Liberalism and Unification</b> England: Act of 1832, Chartist Movement, Act of 1867CE Napoleon III, Unification of Italy Unification of Germany	18

#### Suggested Readings

- 1.Anderson, M.S : Europe in the 18<sup>th</sup> Century
- 2.Elton G.R.: Reformation in Europe
- 3.Andrews Sturt: Eighteenth Century Europe
- 4.HayesC.j.H.:(1936) A Cultural and Political History Of Europe(Vol-1)(1500-1830.London,Macmillanp

<https://en.wikipedia.org/history-of-Europe>

[https://dceestkal.ac.in/Syllabus/MA\\_history/Paper\\_03.pdf](https://dceestkal.ac.in/Syllabus/MA_history/Paper_03.pdf)

<https://www.indiaculture.gov.in/history-modern-europe-1453-1789>





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## National Seminar on

### NATIONAL EDUCATION POLICY 2020: A Powerful Tool to Reestablish Bharat as Vishwa Guru

Two days National Seminar on “National Education Policy 2020: A Powerful Tool to Re-establish Bharat as Vishwa Guru” funded by ICSSR, New Delhi, and organized by Department of Political Science, St. Aloysius College Jabalpur on 27 & 28 January, 2023. The Seminar witnessed distinguished academicians from different parts of the country, all gathered together under one platform to exchange their ideas on the theme. Resource persons were: Prof Madhurendra Kumar Pt. Deen Dayal Upadhyay Chair Allahabad University, Prof Gopal Krishan Sharma, President MPISSR, Ujjain, Prof. Pranav Kumar, CSSEIP, SSS, JNU New Delhi, Prof. Vivek Mishra, Dean of Social Sciences and Dean of Student Welfare Rani Durgawati Vishwavidyala JBP. More than 110 participants from different parts of the country registered for the seminar. And more than 40 research papers were presented in various technical sessions.

The conclusions that drawn from this seminar will have constrictive contribution to improve and strengthen the National Education Policy: 2020 in order to reestablish Bharat as Vishwa Guru once again.





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# प्रदेश वॉच

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सुझाव: राष्ट्रीय शिक्षा नीति 2020 पर द्वि-दिवसीय राष्ट्रीय संगोष्ठी का शुभारंभ

## राष्ट्रीय शिक्षा नीति 2020 पर द्वि-दिवसीय राष्ट्रीय संगोष्ठी का शुभारंभ




जबलपुर: "हमारे समुदायानी इतिहास के पन्ने पर दर्ज है कि भारत ने विश्व को बहुत सी योगदानें दी हैं। नई शिक्षा नीति के माध्यम से अपने युवाओं को इन प्रकार से योग्य बनाकर हम एक बार फिर से उसी श्रेष्ठता की ओर बढ़ रहे हैं।" उपमुख्यमन्त्री उद्यम उद्योग सचिव के मुख्य अतिथि माननीय श्री राजेश सिंह (संसद, जबलपुर) के द्वारा प्रस्तुत किया गया।

संघ अकादमीयस सहायी महाविद्यालय, जबलपुर के सस्तीवि विभाग द्वारा "राष्ट्रीय शिक्षा नीति 2020: भारत को विश्व गुरु के रूप में फिर से स्थापित करने का एक पारिवारिकी साधन" विषय पर द्वि-दिवसीय राष्ट्रीय संगोष्ठी का आयोजन किया जा रहा है। संगोष्ठी के प्रथम दिन उदघाटन सत्र का शुभारंभ दीप प्रज्वलन एवं प्रार्थना गीत से हुआ। अतिथियों के स्वागत के पश्चात् संगोष्ठी की संघटिका डॉ. सुदिता जोशी (विभागध्यक्ष, सस्तीवि विभाग) द्वारा संगोष्ठी के उद्देश्य पर प्रकाश डाला गया। कार्यक्रम के अगले चरण में संगोष्ठी की स्थापिका का विमोचन किया गया। साधु जी अर्जुनराज विभाग द्वारा "महोदय तेर-दुस्रे एंड पैसेनेस" पुस्तक भी विमोचन की गई। महाविद्यालय के प्राचार्य डॉ. फा. वरुण अरसू ने अपने संबोधन में कहा कि "भारत विश्वगुरु" था, भारत विश्वगुरु है और भारत विश्वगुरु रहेगा। नई शिक्षा नीति इसी उद्देश्य को साकार करने हेतु अस्तित्व में आई है। इस नई शिक्षा नीति को कारगरूप में परिचालित करना हम सबकी जिम्मेदारी है।"

डॉ. महोदय कुमार ने अपने बीचवक्तव्य में संगोष्ठी के मूल विषय के विभिन्न पहलुओं पर प्रकाश डाला एवं अपने संबोधन में कहा कि शिक्षा नीति का मुख्य लक्ष्य विद्यार्थियों का सर्वांगीण विकास करना है। एक बेहतर मानव की रचना करना है।

उदघाटन सत्र में मंच संचालन डॉ. निहारिका सिंह एवं श्री एनीष फिलिपस तथा धन्यवाद ज्ञापन डॉ. विद्यास परदेस के द्वारा किया गया। संगोष्ठी के प्रथम दिन दो तकनीकी सत्र संचालित हुए। प्रथम तकनीकी सत्र में विषय विशेषज्ञ एवं कार्यक्रम के विशेष अतिथि डॉ. गोपाल कृष्ण चर्मा (अध्यक्ष, एम.पी. आई.एस. एस.आर., उज्जैन) थे एवं सत्र की अध्यक्षता डॉ. एन.जी. पंडसे (अध्यात्म विभाग, रा.दु.वि.वि., जबलपुर) द्वारा की गई। इस दौरान मंच संचालन डॉ. रीता चौहान द्वारा एवं रिपोर्टिंग सुधी मेहा महारन द्वारा की गई। द्वितीय तकनीकी सत्र की अध्यक्षता डॉ. कस्तूरदास (उप-प्राचार्य (अनुशासन) द्वारा की गई। इस दौरान मंच संचालन डॉ. मंजु मारिया साल्वेन द्वारा एवं रिपोर्टिंग सुधी भावना देवकार द्वारा की गई।





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Branch : Gorakhpur, Jabalpur  
Account Type : Current

## Registration Fee

All the participants are requested to get themselves registered by filling the registration form through a link.  
• Local Participants: 800/- (On spot: 1000/-)  
• PG Students/ Research Scholar: 500 (on spot: 600/-)  
• Outstation Participants (Inclusive of Hospitality, boarding & lodging)- 2500/-

## CONTACT DETAILS

Dr. Tuhina Johri : 9424086040  
Dr. Vishwas Patel : 8839436653  
Ms. Bhawna Tekam : 7999709082



## Organizing Committee

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**Prof. Kapil Dev Mishra**  
Vice- Chancellor, R.D.V.V. JBP (M.P.)

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Head  
Department of Political Science

### Chief Organizing Secretary

**Dr. Vishwas Patel**

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**Ms. Bhawna Tekam**

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**Dr. Anjali D'souza**, Vice Principal (Academics), St. Aloysius College (Auto) Jabalpur  
**Dr. Kallol Das**, Vice Principal (Discipline), St. Aloysius College (Auto) Jabalpur



## National Seminar

ON  
**NATIONAL EDUCATION POLICY 2020: A  
POWERFUL TOOL TO RE-ESTABLISH BHARAT  
AS VISHWA GURU**  
27<sup>th</sup>-28<sup>th</sup> January 2023

## Sponsored by



Indian Council of Social Science Research,  
New Delhi

## Organized by



## DEPARTMENT OF POLITICAL SCIENCE

**St. Aloysius College (Autonomous)**  
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College with Potential for Excellence by UGC  
DST-FIST Supported & Star College Scheme by DBT  
Jabalpur, Madhya Pradesh, India  
Website: staloyuscollege.ac.in

## About the College

St. Aloysius' College is a premier autonomous educational Institute in Madhya Pradesh. The college has been re-accredited 'A+' by NAAC, Bangalore. It has carved a niche for itself by being the only college in the state, to have been awarded the highest CGPA (3.68/4.00) in all three cycles of NAAC accreditation and is also awarded with College with Potential for Excellence, DST-FIST Supported and Star College Scheme by DBT. St. Aloysius' College is synonymous with quality and has a legacy of efficiency. With its best infrastructure and rich academic ambience the college holds glories of success in providing excellence in education and character building of the students proving its motto "Virtus in Arduo".

## About the Seminar

*"A guru is someone who has the power to see greatness even in the lowest man and has the power to raise it".* Since the beginning of civilization India has been the Guru for the whole world. *When the whole world was groping in darkness, India was teaching about the identity of man with the Supreme.* People from all around the world converged to India to gain from its priceless wisdom. Indeed, the country that showed the whole world its academic brilliance through Sushruta, Kanad, and Aryabhata deserves to gain the same pedestal of being "Vishwa Guru Bharat" again. From Ayurveda to Indian science, there's more to India that the world needs to know, learn, and adopt. India has all the potential to become Vishva Guru once again because of its value system, culture, and inherent belief in "Vasudhaiva Kutumbakam". Now, is time that the entire world also imbibe the spirit. The New Education Policy (NEP)-2020 aims to overhaul the education system and create a new order that will meet the requirements of 21st century education, while building upon India's traditions and value systems.

NEP 2020 is Indian in origin, international in its outlook, inclusive in its approach, and innovative and impactful in its outcome. Access, accountability, affordability, equity and quality are five pillars that will form the foundation of our future education ecosystem. It is aimed at transforming India and enabling the country regain its position as Vishwa Guru and we will grow in knowledge, research, science and technology and all spheres. The seminar is aimed at achieving a reinvigoration of novel research fields in academics. The research and development activities are the only pathway to reach to the goals of aspirational youth of India. The seminar targets the bridging of ancient knowledge with futuristic ideas.

## Objectives of the Seminar

- To gain an understanding of traditional approaches and methods and their current relevance for the nation.
- To identify the bridge the gaps in curriculum and attainment of future learning outcomes.
- To discuss the roadmap towards a holistic education.
- To understand the role of NEP-2020 in re-establishing the nation.
- To consider over ways of and means for carrying forward the process of revitalization in India.
- To assess the impact of National Education Policy on Higher Education.
- To uncover India's past glories in all spheres i.e. Social, Economical, Political, Cultural, educational, administrative.
- This will aid in recommending NEP implementation initiatives for the benefits of policy makers and other related agencies.

## Call for Papers

Original papers on the following suggested themes are invited

### Sub Themes of the Seminar:

- NEP: Origin, Implementation & Future Path
- Intellectual Legacy of India
- Skill Development & Role of Vocational Training for future growth
- Changes in Higher Education & Role of ICT
- Ancient India's education system and its influence on NEP-2020
- Role of National Innovation and Start-Up Policy
- Impact of National Education Policy 2020 on Higher Education.
- Making India a Global education hub opportunities and challenges

### Guidelines for Submission of Papers

- The length of the paper may be limited to 3000-3500 words. There must be an abstract of Maximum 250 words. The article should be types in Times New Roman with font size 12 in English and Kruti Dev 10 font size 14 in Hindi. Further, it must have setting of double space on A4 paper having margins of 1.5" on the left side an 1" on the other three sides. Paper is to be submitted in hard copy and soft copy.
- Selected Papers will be published in a book with ISBN number.

### Paper Submission:

- Last Date for Submission of Abstract: 10 January 2023
- Last Date for Submission of Full Length Paper: 20 January 2023
- Paper is to be submitted through Email on [nep2020.sac@gmail.com](mailto:nep2020.sac@gmail.com)
- Registration Link: <https://forms.gle/zEvkKrWhpF5CvL5x6>



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## National Seminar on

### *Kavya Rishi dway Pradeep and Neeraj ki Rachanaon mein Rashtrawaad Evam Samajik Sarokar*

Two days National Seminar on *Kavya Rishi dway Pradeep and Neeraj ki Rachanaon mein Rashtrawaad Evam Samajik Sarokar* sponsored by ICSSR, New Delhi organized by Department of Hindi on 17-18 March 2023. Distinguished academicians from throughout the nation convened at the Seminar to provide their perspectives on the subject matter. The resource persons were- Shri Sanjay Dwivedi, DG, Indian Institute of Mass Communication, New Delhi, Dr. Deepak Pandey, Regional Hindi Assistant Director Kendriya Hindi Nideshalaya, New Delhi, Dr. Nutan Pandey, Assistant Director, Cultural Hindi Directorate, Prof Satya Ketu Saankrit, Dr. B.R. Ambedkar University New Delhi, Prof Smruti Shukla, Department of Hindi, MKB Jabalpur.







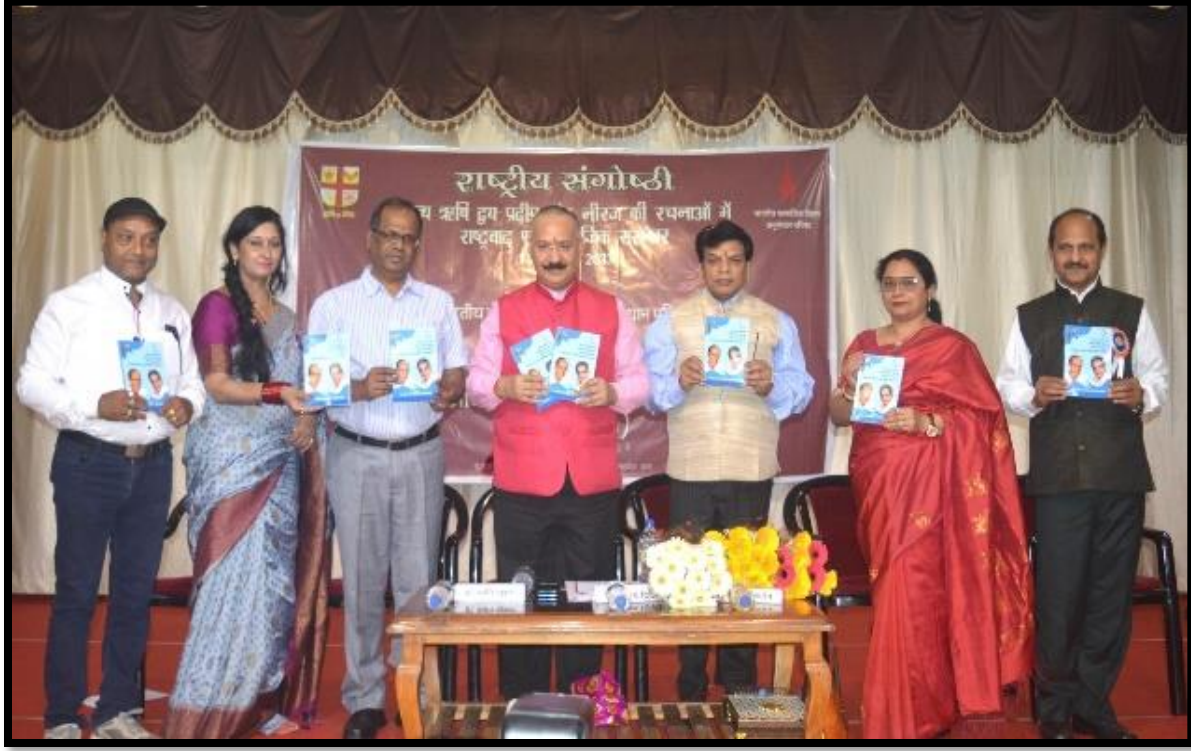
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## National Seminar

### “G20 and Green Growth: Collaborative Action for Sustainable Future under SAPTRISHI BUDGET 2023”

A Two-Day National Seminar on “G20 and Green Growth: Collaborative Action for Sustainable Future under SAPTRISHI BUDGET 2023” sponsored by ICSSR, New Delhi was organized by the Department of Commerce, St Aloysius' College(Autonomous) Jabalpur on 24-25 November,2023. The Chief Guest of the event was Mr. Neeraj Agrawal, Director, NASA Associates, Jabalpur. He spoke on the attractive terms “Amritkal Budget and “Saptrishi Budget” and the importance of the logo of G20. He also discussed BOT, Vehicle Scrap Policy, Solar energy, Research and Telecommunication, Young Country(India). The resource persons Prof. Kanhaiya Ahuja, Dean, Department of Social Science, Devi Ahilyabai University, Indore and Prof. Shubhasheesh Bhattacharya, Director, NMIMS, Navi Mumbai shared their valuable knowledge about sustainable agriculture, green environment, green finance to develop Green Growth of the country. Prof. Bhattacharya talked about the existence of our future generation and the impact of the terminology of G20 and Green Growth. He threw light on the vision “One Earth, One family, One future”. He also extended his views on Ecosystem, Geopolitical Conflicts and Humanitarian Crisis and Green Skills to make the audience aware of the concept of Green Growth.









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### Important Dates

Last date for submission of abstract along with registration fee  
October 25, 2023

Last date for submission of the full length paper  
November 10, 2023

Delegates	Categories	On/Before 25th October 2023	After 25th October 2023
Indians	Students / Research Scholars	800 INR	1000 INR
	Academicians	1000 INR	1500 INR
	Industry expert	1500 INR	2000 INR
Foreigners	Students / Research Scholars	30\$	50\$
	Academicians	40\$	60\$
	Industry expert	45\$	65\$
Accommodation	1 Night and 2 days - Ra. 2000/-		
	2 Nights and 3 days - Ra. 3500/-		

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**National Seminar**  
On  
**"G20 AND GREEN GROWTH: COLLABORATIVE ACTION FOR SUSTAINABLE FUTURE UNDER SAPTRISHI BUDGET 2023"**  
Sponsored By  
**Indian Council of Social Science Research**  
24<sup>th</sup> -25<sup>th</sup> November, 2023

**\*Saptrishis\***  
G20  
भारत 2023 INDIA

Organized By  
**DEPARTMENT OF COMMERCE**  
**ST. ALOYSIUS' COLLEGE**  
(AUTONOMOUS),  
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)  
College with Potential for Excellence by UGC,  
DST-FIST Supported & Star College Scheme by DBT  
Jabalpur (M.P.)

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### About the College

St. Aloysius' College is a premier autonomous educational institute in Madhya Pradesh. The college has been Re-accredited 'A+' by NAAC, Bangalore. It has carved a niche for itself by being the only college in the state, to have been awarded the highest CGPA (3.68/4.00) in all three cycles of NAAC accreditation and is also awarded with College with Potential for Excellence, DST-FIST Supported and Star College Scheme by DBT. St. Aloysius' College is synonymous with quality and has a legacy of efficiency. With its best infrastructure and rich academic ambience, the college holds glories of success in providing excellence in education and character building of the students proving its motto "Virtus in Arduo".

### About the Seminar

The G20 nations have a significant role to play in promoting green growth and sustainable development, particularly in light of the ongoing climate crisis. The Saptrishi Budget 2023 provides a unique opportunity for G20 nations to come together and take collaborative action towards a sustainable future. The Seminar on "G20 and Green Growth" is a pivotal event that brings together leading experts, scholars, and stakeholders from diverse fields to address the pressing global challenges of sustainable development and environmental preservation. Under the umbrella of the Saptrishi Budget 2023, this seminar serves as a catalyst for collaborative action, emphasizing the critical role of the G20 in shaping policies and initiatives that promote green growth and a sustainable future. With thought-provoking discussions, innovative ideas, and interdisciplinary dialogue, this seminar is an opportunity to explore solutions, share knowledge, and forge connections that will contribute to a more eco-conscious and prosperous world.

### Objective of the Seminar

- To highlight the role of the G20 in promoting sustainable economic growth.
- To discuss strategies, challenges, and opportunities for promoting green growth and sustainable development within the context of the G20 common draft.
- To explore innovative financing mechanisms, public-private partnerships, technology, stakeholder engagement, and urban development that can help accelerate the transition towards a more sustainable and equitable future.
- To promote awareness and understanding of the urgent need for global action to address the challenges of climate change and environmental degradation.
- To discuss strategies, initiatives and schemes for promoting green growth as a pillar of Saptrishi Budget 2023.
- To provide a platform for experts and stakeholders to share their experiences, insights, and best practices on green growth and sustainable development.

### SUB-THEMES OF THE SEMINAR

#### Day - 1

#### SESSION - I THE G20 AND INDIA: ROLE IN PROMOTING GREEN GROWTH AND SUSTAINABLE DEVELOPMENT

- The challenges and opportunities in pursuing green growth and sustainable development.
- Collaboration of G20 member countries in promoting sustainable development and green economic policies.
- Significance of stakeholder engagement and community participation in green growth and sustainable development.
- Significance of G20 common draft for sustainable development.
- Role of technology and innovation in enabling green growth.

#### SESSION - II SAPTRISHI BUDGET 2023: GREEN GROWTH STRATEGIES AND PRIORITIES

- Analysis of provisions and allocations related to green growth within Saptrishi Budget 2023.
- Specific green growth initiatives, policies, schemes, and projects under Saptrishi Budget 2023.
- Opportunities and challenges in implementing green growth measures in India.
- Budget transparency and accountability in green growth.

#### Day - 2

#### SESSION - III GREEN INDUSTRIAL AND ECONOMIC TRANSITION

- Green finance and investment strategies.
- Green marketing and branding strategies.
- Sustainable urban development and the role of cities in promoting green growth.
- Green jobs and skill development.

#### SESSION - IV PROMOTING SUSTAINABLE AGRICULTURE AND GREEN ENERGY INITIATIVES

- Sustainable agriculture and rural development.
- Waste management and circular economy.
- Renewable Energy: Achieving a low-carbon economy.
- Importance of biodiversity conservation and ecosystem restoration.
- United Nations Sustainable Development Goals (SDGs) and the Paris Agreement on Climate Change.

### Guidelines for Submission of Papers

- Abstract of maximum 250 to 300 words with 5-6 key words.
- Full length paper of 3000-3500 words.
- Font should be Times New Roman with size 12 in English and Kruti dev 010 font size 14 in Hindi.
- Page setting A4 Paper and Paragraph spacing 1.5 spaces.
- Link for Registration and Abstract Submission: <https://forms.iaa/xtuqzthz27b-95449>
- Full length Paper is to be submitted through email on: [g20greengrowth@gmail.com](mailto:g20greengrowth@gmail.com)

### Opportunities

- Online presentations are allowed.
- Selected papers will be Published in ISBN No. Book.
- One Best Paper Award in the Seminar.





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## National Seminar

### "Prospects of India Towards Economic Integrity of G 20: Visualization of "Vasudhaiva Kutumbakam"

The Department of Economics, St Aloysius' College (Autonomous) Jabalpur organized Two-Day National Seminar on "Prospects of India Towards Economic Integrity of G 20: Visualization of "Vasudhaiva Kutumbakam" sponsored by ICSSR, New Delhi on 21-22 July,2023. The Chief Guest of the event was Prof. Harshvardhan, Media Educator and Adjunct Professor, Makhanlal Chaturvedi Rashtriya Patrakarita Vishyavidyalaya, Bhopal. He spoke of India as a nation committed to democracy and multilateralism. He said India's presidency will be a significant milestone as it seeks to find practical global solutions for the benefit of all and embody the idea of "Vasudhaiva Kutumbakam " or "the world is one family". The Guests of Honor of the programme were Rev. Bishop Gerald Almeida, Jabalpur Diocese, and Dr. S.K. Choubey, Head, Department of Economics, Rani Durgawati Vishwavidyalaya, Jabalpur. Rev Bishop advised to the audience to create awareness and connect the masses with the theme of India's G20 presidency "Vasudhaiva Kutumbakam" to develop our country.









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### Conference Chair

**Rev. Dr. G. Vazhan Arasu**  
Principal, St. Aloysius' College (Auto), Jabalpur

### Convener

**Dr. Reeta Chouhan**  
Head, Department of Economics

### Chief Organizing Secretary

**Dr. Anthonima K. Robin**

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### Registration Link :

<https://forms.gle/UquDEPww7c1puEe6>

Bank Details : Current Account No: 520121400008  
Beneficiary Name : Principal, St. Aloysius College

Autonomous Jabalpur

IFSC Code : CNRB0005201

Bank Name : Canara Bank

Branch : Gorakhpur, Jabalpur

### Registration Fee:

All the participants are requested to get themselves registered by filling the registration form through a link.

- Local Participants : 1000/- (On spot: 1500/-)
- PG Students/ Research Scholar: 800 (on Spot : 1000/-)
- Outstation Participants (Inclusive of Hospitality, boarding & lodging)- 2500/-

## National Conference On

"PROSPECTS OF INDIA TOWARDS ECONOMIC  
INTEGRITY OF G20: VISUALISATION OF  
"VASUDHAIVA KUTUMBAKAM"  
21<sup>st</sup> - 22<sup>nd</sup> JULY, 2023

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Website: [staloyuscollege.ac.in](http://staloyuscollege.ac.in)

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### About the Seminar

The G20 has emerged as a premier deliberative forum of the world's largest economies, accounting for over 80% of global GDP and two-thirds of the world's population. With the growing integration and economic interdependence among the world economies, the forum plays an important role in shaping and strengthening global architecture and governance on all major international economic issues. As a member of G20, India has a significant role to play in shaping the global economic agenda and promoting sustainable development and inclusive growth.

A nation deeply committed to democracy and multilateralism, India's G20 Presidency would be a watershed moment in the history as it seeks to play an important role by finding pragmatic global solutions for the wellbeing of all, and in doing so, manifest the true-spirit of "Vasudhaiva Kutumbakam" or the 'World is One Family'. Through its G20 leadership, India hopes to extend this principle towards finding sustainable solutions to some of the key global challenges emerging out of the interconnectedness of the world, such as climate change, new and emerging technologies, food and energy security, etc. By leveraging its strengths and collaborating with other G20 members, India can contribute to building a more resilient, inclusive, and sustainable global economy that benefits all.

The seminar is aimed at providing an exchange platform for the researchers, academicians and experts to analyze the various dimensions related to the India's G20 Presidency and provide a policy framework for

India to make its impact on the ongoing, fractious global discourse on the current challenges.

### The major objectives of the Seminar

- To explore the potential of India as a member of G20 in the context of globalization and interdependence of world economies.
- To identify the challenges and opportunities for India to contribute effectively to the G20's efforts towards promoting international economic cooperation, stability, and growth.
- To pave the way for the welfare of the world on the India's values of "Vasudhaiva Kutumbakam" (world is one family), as a guiding principle.
- To promote the 'Global South' keeping in line with India's keen interest to take its digitised public goods architecture to developing countries.
- To find consensus on major challenges like a slowing global economy, a debt crisis that will impact almost 70 countries, millions around the world slipping back into poverty due to Covid-19 and the existential climate crises.
- To depoliticise the global supply of food, fertilisers and medical products, so that geopolitical tensions do not lead to humanitarian crises.
- To underline environment, women-led development, peace and security, economic growth, technological innovation as priorities.
- To foster a dialogue and exchange of ideas among policymakers, academics, researchers, industry experts, civil society representatives, and other stakeholders on the issues related to India's economic engagement with the G20 and its impact on the National and Global economy.

### Call for Papers

Original papers on the following suggested themes are invited:

### Sub Themes of the Seminar:

- Sustainable development and inclusive growth within the G20.
- India's Economic Diplomacy in the G20
- India's potential and its role in trade and investment within the G20.

- India's efforts in leveraging digital transformation and technological innovation for economic integrity as a priority area of G20.
- Financial inclusion and economic empowerment within the G20.
- Multilateral Cooperation and Global Governance
- "Vasudhaiva Kutumbakam" (world is one family) as a guiding principle for India's economic policies in the global arena.
- Societal benefits in line with the thoughts on "LIFE Movement" & "The One Sun One World One Grid".
- Economic importance of women-led development.
- India and "Global South" initiative.
- Solutions to rising global food and energy prices, stagflation and environmental issues etc.

### Guidelines for Submission of Papers

- The length of the paper may be limited to 3000-3500 words. There must be an abstract of maximum 250 words. The article should be typeset in Times New Roman with font size 12 in English and Kruti Dev/10 font size 14 in Hindi. Further, it must have setting of 1.5 spaces on A4 paper. Paper is to be submitted in hard copy and soft copy.
- Selected Papers will be published in a book with ISBN number.

### Paper Submission:

- Last Date for Submission of Abstract: 30th June, 2023
- Last Date for Submission of Full Length Paper: 5th July, 2023
- Paper is to be submitted through Email on: [eco\\_sacmp@gmail.com](mailto:eco_sacmp@gmail.com)

### For Further Queries contact

Mob : 9131225496, 789886525  
7470965809, 8851062446





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## National Seminar

### “Education for sustainability: Navigating the changing landscape of Higher Education”

Two days National Seminar on “**Education for sustainability: Navigating the changing landscape of Higher Education**” funded by ICSSR, New Delhi, and organized by Department of Education, St. Aloysius College Jabalpur on 1 & 2 March, 2024. The Seminar witnessed distinguished academicians from different parts of the country, all gathered together under one platform to exchange their ideas on the theme. Resource persons were: Prof. R.T.Bedre, Director HRDC Dr. Hari Singh gaur university Sagar, Pro. Rakesh Kumar Singh Deshbandhu College, Delhi, was Prof. Manish Sharma Institute for excellence for higher education. Bhopal, Prof. Bala Lakendra DJMC BHU Varanasi, Prof. Vivek Mishra, Dean of Social Sciences and Dean of Student Welfare Rani Durgawati Vishwavidyala JBP. More than 139 participants from different parts of the country registered for the seminar. And more than 65 research papers were presented in various technical sessions.





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## Circulation and Correspondence

Mrs. Neha Namdev (9329943730)  
Mrs. Jyoti Rajpoot (9926371418)  
Mr. Virendra Chutekar

## REGISTRATION FEE DETAILS

All the participants are requested to get themselves registered by filling the registration form through a link.

- Academicians : 800/- (On the spot: 1000/-)
- Students/ Research Scholar : 600 (on Spot: 700/-)
- Outstation Participants (Inclusive of Hospitality, boarding & lodging) 1500/-

## BANK DETAILS

Beneficiary Name - Principal, St. Aloysius College  
(Autonomous), Jabalpur  
A/C No. - 5201214000008  
IFSC Code - CNRB0005201  
Bank Name - Canara Bank  
Branch - Gorakhpur, Jabalpur  
Account Type - Current

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National Seminar  
On

EDUCATION FOR SUSTAINABILITY:  
NAVIGATING THE CHANGING LANDSCAPE  
OF HIGHER EDUCATION  
1<sup>st</sup> - 2<sup>nd</sup> MARCH, 2024

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## About the Seminar

In today's global landscape, sustainability is of paramount importance as it not only safeguards the delicate balance of our environment but also addresses social and economic challenges, ensuring a harmonious coexistence with our planet for the well-being of current and future generations. Education serves as an indispensable tool, furnishing individuals with a comprehensive understanding of knowledge, skills, attitudes, and values necessary for shaping a more sustainable future. Specifically, education for sustainable development cultivates a mindset among the youth, fostering the adoption of sustainable lifestyles and instilling social consciousness. Recognized globally, societies increasingly acknowledge the unsustainability of current development trends, emphasizing the pivotal role of education and training in raising public awareness and steering our globalized society towards sustainability. Regarded as a high-yield long-term investment, education not only facilitates the acquisition of knowledge and skills but also promotes social equity and economic sustainability, making it a crucial component in achieving sustainable development goals. Originating primarily from higher education, the concept of educational sustainable development aims to imbue individuals with the knowledge, skills, values, attitudes, and behaviors

necessary to safeguard society and culture, with the ultimate goal of enabling informed decision-making and actions that enhance quality of life without compromising the environment.

## The Major Objectives of the Seminar

The major objectives of this National Seminar are-

- To introduce higher technology and STREAM education for sustainability.
- To provide better understanding of the importance of Sustainability in the present world.
- To give recommendation for universities to revise their curriculum to include more sustainability focused courses and programme.
- To brainstorm and share innovative teaching method and approaches that integrate sustainability principles into various disciplines, encouraging interdisciplinary collaboration.
- To promote partnership and collaboration with other organization, communities and Industry.
- To lead to recommendations for faculty and staff training and professional development related to sustainability education.
- To engage students in sustainability initiative and encouraging their active participation in sustainability education.
- To inspire research initiative and project related to sustainability in higher education.
- To provide innovative ideas to make effective governance and leadership in higher education.

## Call for Papers

Original papers on the following suggested themes are invited:

## Sub Themes of the Seminar:

- Technology and STREAM Education.
- Inclusive and Equity Higher Education.
- Development of Students' Sustainability Competencies.
- Innovative Higher Education Curriculum & Pedagogy.
- Collaboration and Internationalization in Higher Education.
- Effective Governance and Leadership in Higher Education.

## Guidelines for Submission of Papers

The length of the paper may be limited to 3000-3500 words. There must be an abstract of Maximum 250 words with 3-4 Key words. The article should be typed in Times New Roman with font size 12 in English and Kruti Dev 010 font size 14 in Hindi. Further, it must have setting of 1.5 spaces on A4 paper. Paper is to be submitted in hard copy and soft copy.

## Opportunities:

- Best Paper will be Awarded.
- Online Paper presentations are allowed.
- Selected Papers will be published in a book with ISBN number.

## Paper Submission:

Last Date for Submission of Abstract: 10th February, 2024.  
Last Date for Submission of Full Length Paper: 15th February, 2024.

Paper is to be submitted through Email on :

[sem.educ.sac2024@gmail.com](mailto:sem.educ.sac2024@gmail.com)

Registration Link - <https://forms.gle/62CCxx84REaJfyi39>





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राष्ट्रीय संगोष्ठी राष्ट्रभाषा ,राजभाषा और अब विश्व भाषा हिंदी (विश्व व्यापार एवं वाणिज्य के विशेष सन्दर्भ में )

दो दिवसीय राष्ट्रीय संगोष्ठी राष्ट्रभाषा ,राजभाषा और अब विश्व भाषा हिंदी (विश्व व्यापार एवं वाणिज्य के विशेष सन्दर्भ में ) हिन्दी विभाग के द्वारा आयोजित की गई। उदघाटन समारोह (०३-०२-२०२० से ०४-०२-२०२०) के मुख्य अतिथि श्रीमती मृदुला सिन्हा (वरिष्ठ साहित्यकार , पूर्व राज्यपाल गोवा), विशिष्ट अतिथि डॉ. कपिल देव मिश्र (कुलपति , रानी दुर्गावती विश्वविद्यालय जबलपुर), प्रो. त्रिभुवन नाथ शुक्ल (पूर्व विभागाध्यक्ष, हिंदी विभाग) , डॉ. नूतन पाण्डेय (सहायक निदेशक , रानी दुर्गावती विश्वविद्यालय जबलपुर, केंद्रीय हिंदी निदेशालय , दिल्ली ) रहे। राष्ट्रीय संगोष्ठी के समापन समारोह के मुख्य अतिथि श्री राहुल देव (वरिष्ठ पत्रकार , दिल्ली), विशिष्ट अतिथि श्री सुरेशचंद्र शुक्ल (साहित्यकार , नॉर्वे) , डॉ. दीपक पाण्डेय (सहायक निदेशक , केंद्रीय हिंदी निदेशालय , दिल्ली)।





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## राष्ट्रीय संगोष्ठी

(3 फरवरी - 4 फरवरी 2020)

राष्ट्रभाषा, राजभाषा और अब विश्व भाषा हिन्दी  
(विश्व व्यापार एवं वाणिज्य के विशेष संदर्भ में)

प्रायोजक



**INDIAN COUNCIL OF SOCIAL  
SCIENCE RESEARCH**

**भारतीय समाज विज्ञान-अनुसंधान-परिषद**

आयोजक



हिन्दी विभाग

संत अलॉयसियस (स्वशासी) महाविद्यालय,  
जबलपुर, (म.प्र.)

राष्ट्रीय प्रत्यायन एवं मूल्यांकन परिषद (NAAC) से

'A+' श्रेणी प्राप्त (3.68/4.00)

यू.जी.सी. द्वारा सी.पी.ई. दर्जा प्रदत्त

डी.एस.टी. - फिस्ट सहयोग प्राप्त





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## Hindi Diwas

संत अलॉसियस स्वशासी महाविद्यालय, जबलपुर के हिन्दी विभाग द्वारा दिनांक 8 सितम्बर से 14 तक हिन्दी सप्ताह आयोजित किया गया जिसके अंतर्गत विभिन्न प्रतियोगिताएं की गईं। जिसके परिणाम इस प्रकार रहे सृजनात्मक लेखन, काव्य पाठ प्रतियोगिता भाषण प्रतियोगिता, लघुकथा प्रतियोगिता, निबंध लेखन प्रतियोगिता, स्लोगन प्रतियोगिता संपन्न हुई।

कार्यक्रम का शुभ आरम्भ साक्षी एवं समूह द्वारा तु प्यार का सागर है प्रार्थना गीत द्वारा किया गया। तत्पश्चात् छात्र प्रतिनिधी के रूप में मयंक प्रकाश द्विवेदी द्वारा हिन्दी दिवस पर ओजपूर्ण भाषण दिया गया। इसके उपरांत कौतुकी उपाध्याय द्वारा हिन्दी से जुड़े हुए रोचक तथ्यों को प्रस्तुत किया गया। कार्यक्रम की अगली कड़ी में निखिल शर्मा द्वारा भावपूर्ण कविता का पाठ किया गया। कार्यक्रम की विशिष्ट अतिथि एवं महाविद्यालय की उपप्राचार्य डॉ. अंजली डिसुजा ने अपने संदेश में कहा कि "विश्व में हमारी पहचान हिन्दी से ही है। हिन्दी हमारे लिए गौरव का विषय है और हमें अपनी भाषा को सदैव सम्मान देना चाहिए। कार्यक्रम के मुख्य अतिथि प्रोफेसर श्री कृष्ण तिवारी (प्राध्यापक शासकीय श्याम सुन्दर अग्रवाल स्नातकोत्तर महाविद्यालय सिहोरा) ने अपने संदेश में कहा कि अब हिन्दी राष्ट्र भाषा की गंगा से विश्व भाषा का महासागर बन रही है।

कार्यक्रम के अगले चरण में सभी विजेता प्रतिभागियों को प्रमाण पत्र चित्रित किया गया। कार्यक्रम के अध्यक्ष एवं हिन्दी विभाग के विभागाध्यक्ष डॉ. रामेंद्र प्रसाद ओझा का समबोधन इस प्रकार था हिन्दी किसी संप्रदाय विशेष की भाषा नहीं, यह जन-जन की भाषा है। हिन्दी हमारे हृदय की भाषा है। लोगों को आकर्षित करती है हिन्दी की मधुरता, विश्व की सबसे बड़ी भाषा है हिन्दी। कार्यक्रम के दौरान मंच संचालन रागिनी नापित और मानशी राय तथा धन्यवाद ज्ञापन अनुष्का मिश्रा के द्वारा किया गया। कार्यक्रम के सफल आयोजन में डॉ. कैरोलिन सेनी, डॉ. रीना थॉमस, सुश्री स्वाती शर्मा, श्रेया पटेल, रागिनी नापित, स्वेच्छा द्विवेदी, चंचल गौतम, अनुष्का मिश्रा, अंजली रघुवंशी, मानशी राय, कौतुकी उपाध्याय, लक्ष्मी, मयंक प्रकाश द्विवेदी, प्रियका का योगदान रहा।







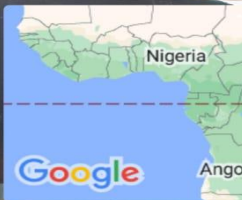
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Department of Education, St. Aloysius (Autonomous) College, Jabalpur (M.P.) has organized a "Kavya Path" to celebrate Hindi Diwas on 16 September 2023 (Saturday). And the THEME of the event was "MERI MATI MERA DESH".







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## 'विश्व हिंदी दिवस'

"हम हिंदी भाषा को अपने आचार-विचार में उतारें और जीवन का अभिन्न हिस्सा बनाये, राष्ट्रीयता की भावना विकसित करने का यह भी एक बड़ा उपक्रम है।" उपर्युक्त उद्गार कार्यक्रम के मुख्य अतिथि श्री राजेन्द्र मिश्रा (संपादक, स्वतंत्र मत, दैनिक समाचार पत्र, जबलपुर) के द्वारा प्रस्तुत किए गए संत अलॉयसियस स्वशासी महाविद्यालय, जबलपुर के हिंदी विभाग द्वारा दिनांक 10 जनवरी 2023 को विश्व हिन्दी दिवस गरिमामय ढंग से मनाया गया।

कार्यक्रम का शुभारंभ प्रार्थना गीत "दया कर दान विद्या का" से हुआ। ततपश्चात् नित्या सिंह ठाकुर द्वारा विश्व हिंदी दिवस पर भाषण दिया गया। निखिल शर्मा के द्वारा काव्य-पाठ, नेहा कुशवाह एवं कौतुकी उपाध्याय द्वारा रोचक तथ्य प्रस्तुतिकरण एवं वंशिका तथा तथा अनुष्का मिश्रा द्वारा हिंदी भाषा पर आधारित प्रश्नोत्तरी प्रस्तुत की गई। कार्यक्रम की विशिष्ट अतिथि डॉ. मीता दरबारी का संदेश इस प्रकार था - "हिंदी हमारे सपनों की और हमारे अपनों की भाषा है हमें इस पर गर्व होना चाहिए।" हिंदी विभाग के विभागाध्यक्ष डॉ. रामेन्द्र प्रसाद ओझा का उद्बोधन इस प्रकार था- "भाषा हमें अस्तित्व एवं प्रतिष्ठता-बोध कराती है। राष्ट्रीय एवं अंतरराष्ट्रीय स्तर पर अपनी भाषा को स्थापित करने के लिए हमें एकजुट होकर प्रयास करना चाहिए।"







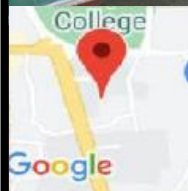
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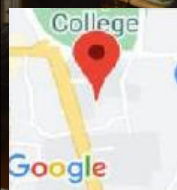
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## "भारतीय भाषा उत्सव"

संत अलॉयसियस स्वशासी महाविद्यालय, जबलपुर के हिंदी विभाग द्वारा चिन्नास्वामी सुब्रमण्यम भारती के जन्म दिवस के सुअवसर पर दिनांक 12 दिसंबर 2022 को "भारतीय भाषा उत्सव" गायन के माध्यम से मनाया गया। इस अवसर पर भारतीय विद्यार्थियों ने तमिल, मलयालम, हिंदी, सादरी, उड़िया, बंगाली गीतों की सुमधुर प्रस्तुति दी। उल्लेखनीय है कि चिन्नास्वामी सुब्रमण्यम भारती (11.12.1882-12.09.1921) एक सुप्रसिद्ध भारतीय लेखक, आधुनिक तमिल कविता के अग्रदूत, पत्रकार, भारतीय स्वतंत्रता सेनानी तमिलनाडू के समाज सुधारक थे। अपने समय में वे उत्तर और दक्षिण भारत के बीच सेतु माने जाते थे।

इस कार्यक्रम की मुख्य अतिथि एवं महाविद्यालय की उप-प्राचार्य डॉ. अंजली डिसूजा ने अपने संदेश में कहा कि "भावनाओं की अभिव्यक्ति का सुंदर और श्रेष्ठ माध्यम भाषा है। भारत में भाषाओं की विविधता ही राष्ट्र के आकर्षण को और बढ़ा देती है।" कार्यक्रम के विशिष्ट अतिथि फा. प्रदीप रॉड्रिक्स का संदेश इस प्रकार था कि "भाषा ईश्वर के द्वारा मानव को दिया गया एक अनमोल खजाना है। हमें सभी भाषाओं का सम्मान करना चाहिए और इस अमूल्य धरोहर को संजो कर रखना चाहिए।" कार्यक्रम के अध्यक्ष एवं हिंदी विभाग के विभागाध्यक्ष डॉ. रामेन्द्र प्रसाद ओझा ने अपने अध्यक्षीय उद्बोधन में कहा कि "दुनिया की सारी प्रगति, इच्छाओं की तृप्ति भाषा के बिना संभव नहीं है। भाषा हमारे लिए वरदान है। हमें भाषा रूपी एकता-सूत्र को पहचानना चाहिए एवं उसका सम्मान करना चाहिए।"



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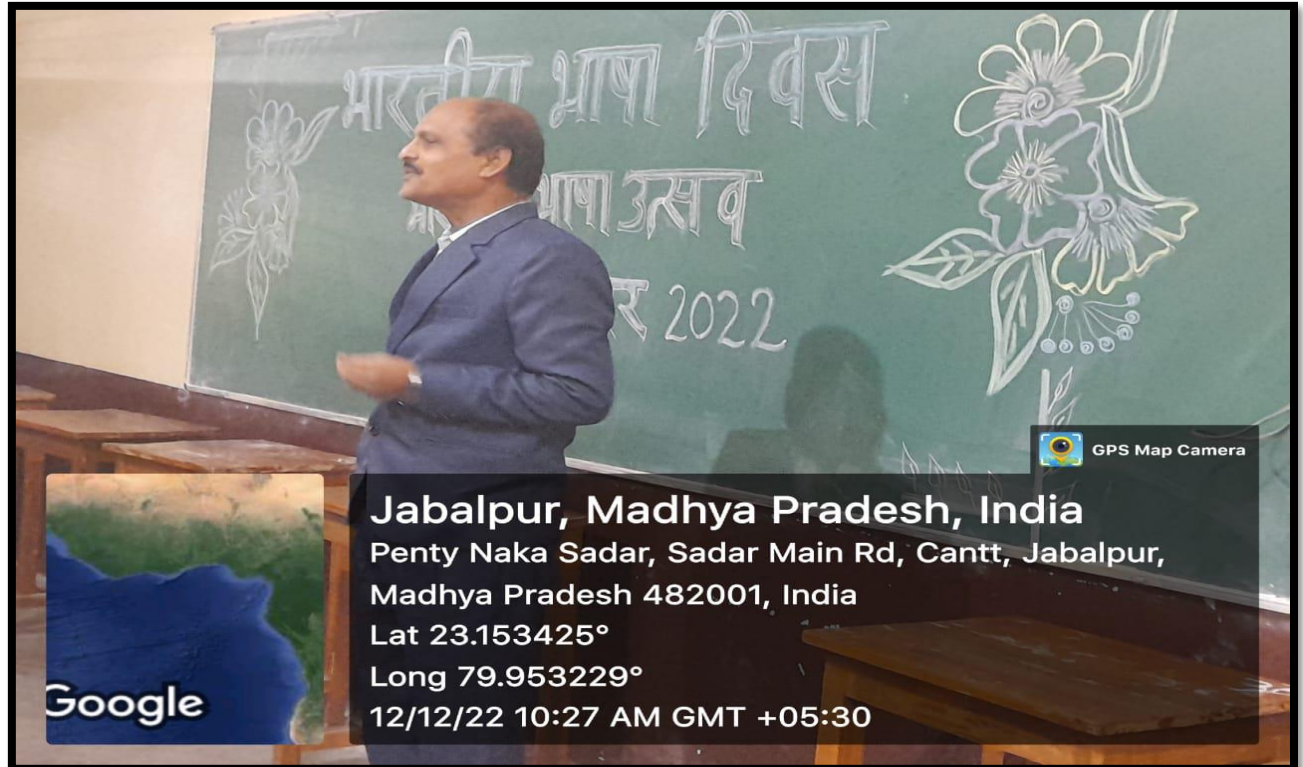
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## Tulsi Das Jayanti

संत अलॉयसियस स्वशासी महाविद्यालय जबलपुर मे हिंदी साहित्य सभा द्वारा हिन्दी साहित्य के रामकाव्यधारा के प्रतिनिधि कवि तुलसी दास जी की 526 वीं जयंती पर विभिन्न कार्यक्रमों का आयोजन किया गया। कार्यक्रम के प्रारंभ में महाविद्यालय की छात्राओं द्वारा तुलसीकृत राम स्तुति की प्रस्तुति दी गई जिससे सारा वातावरण भक्तिमय हो गया। इस अवसर पर कुमारी अंजली रघुवंशी, मयंक द्विवेदी, निहारिका जाटव, तरूण नाहर, कुमारी लक्ष्मी द्वारा तुलसीदास जी का जीवन वृत्त प्रस्तुत किया गया। कार्यक्रम के मुख्य अतिथि उप प्राचार्य डॉ. कल्लोल दास एवं विशिष्ट अतिथि परीक्षा नियंत्रक डॉ. मीता दरबारी ने तुलसीदास जी के जीवन एवं उनके सामाजिक मूल्यों पर अपने विचार व्यक्त किये।

कार्यक्रम के अध्यक्ष एवं हिंदी विभाग के विभागाध्यक्ष डॉ. रामेन्द्र प्रसाद ओझा ने तुलसी और उनका रामचरितमानस' विषय पर अपने विचार व्यक्त किए। कार्यक्रम के सफल आयोजन में डॉ. अंजली डिसूजा, डॉ. कैरोलिन सैनी, डॉ. रीना थॉमस, डॉ. विश्वास पटेल, डॉ. मन्जू मारिया सालोमन डॉ. तुहिना जौहरी, डॉ. रीता चौहान, डॉ. आदर्श कुमार मिश्रा एवं सुश्री स्वाति शर्मा की मुख्य भूमिका रही। कार्यक्रम का सफलतापूर्वक संचालन कौतुकी उपाध्याय एवं धन्यवाद अनुष्का मिश्रा द्वारा किया गया।



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## हिंदी साहित्य के श्रेष्ठ साहित्यकार प्रेमचंद की जयंती

संत अलॉयसियस स्वशासी महाविद्यालय जबलपुर में हिंदी साहित्य सभा द्वारा हिंदी साहित्य के श्रेष्ठ साहित्यकार प्रेमचंद को उनकी कहानियों के माध्यम से उनकी जयंती पर स्मरण किया गया। 31 जुलाई से 07 अगस्त 2023 तक साहित्य सभा के द्वारा सप्ताह भर प्रेमचंद से जुड़ी जानकारियों को साझा किया गया तथा उनकी प्रमुख कहानियों का वाचन किया गया। प्रेमचंद सप्ताह के समापन अवसर पर मयंक प्रसाद द्विवेदी एवं प्रियंका सिंह द्वारा प्रेमचंद का जीवन वृत्त प्रस्तुत किया गया। गंगा चौकसे, प्रफुल्ल कुमार और लक्ष्मी कुमारी द्वारा प्रेमचंद की प्रसिद्ध कहानियों पंच परमेश्वर, ईदगाह और कफन पर विचार प्रस्तुत किए गए। कार्यक्रम के अध्यक्ष एवं हिंदी विभाग के विभागाध्यक्ष डॉ. रामेन्द्र प्रसाद ओझा ने अपने संदेश में प्रेमचंद को एक कालजयी साहित्यकार बताते हुए उनकी रचनाओं को आज भी प्रासंगिक बताया। कार्यक्रम के सफल आयोजन में डॉ. अंजली डिसूजा (उप प्राचार्य अकादमिक), डॉ. कैरोलिन सैनी एवं डॉ. रीना थॉमस की मुख्य भूमिका रही। कार्यक्रम के दौरान मंच संचालन मानसी राय एवं धन्यवाद ज्ञापन रीतेश लोधी के द्वारा किया गया।



Jabalpur, Madhya Pradesh, India

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# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Visit to Chousath Yogini Temple

The Department of History organized an educational trip on 20 October 2019, students of BA (History) to Chousath Yogini Temple, Bhedaghat. The historical temple was built by Kalchuri Dynasty. The temple is built of granite and sandstone and depicts the architectural precision of that era.







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## Visit to Rani Durgawati Museum

The Department of History organized a trip to Rani Durgawati Museum, Jabalpur on 27 September 2023. The students of BA 1 Sem, 3 Sem and 3year were participated. The National Gallery showcased a large number of Arti crafts and personal belongings of Rani Durgawati. The gallery included information on the lifestyle of the late medieval history wars. The students were given a short lecture on the life of Rani Durgawati depicting her contribution in the molding the significance of autonomy and freedom.







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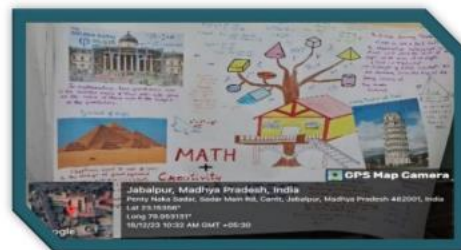
## Ganit Parv

Birth anniversary of Mathematics legend Srinivasa Ramanujan was celebrated as Ganit Parv by Department of Mathematics, St. Aloysius Autonomous College, Jabalpur. The programme was sponsored by Madhya Pradesh Council of Science and Technology Bhopal, (MPCST), National Council of Science and Technology Communication (NCSTC), Department of Science and Technology (DST), GOI New Delhi.

It aimed to create logical and analytical thinking in young minds so that they can appreciate the magic and beauty of mathematics. Various activities were organized for the students in addition to screening a documentary on Ramanujan.

DECEMBER 18 2023 – SPEECH & POSTER COMPETITIONS

TOPIC: 'INDIA'S CONTRIBUTION TO MATHEMATICS'





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DECEMBER 22 2023 – DOCUMENTARY ON THE 'LIFE OF RAMANUJAM'



06-01-2024 PRESS RELEASE – GANIT PARV

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### St Aloysius College celebrates birth anniv of Mathematics legend Ramanujan

■ Staff Reporter

BIRTH anniversary of Mathematics legend Srinivasa Ramanujan was celebrated as Ganit Parv by the Department of Mathematics, St Aloysius Autonomous College. The programme was sponsored by DST, MP Council of Science and Technology and National Council of Science and Technology Communications.

It aimed to create logical and analytical thinking in young minds so that they can appreciate the magic and beauty of Mathematics.

Various activities such as documentary on the life of Ramanujan, speech, poster, rangoli, quiz and student presentation were organised.

On the closing day, lectures were delivered by Dr. Gopal Meena from Jabalpur Engineering College on 'Application of Mathematics in Various Fields', Dr. GRK Sahu



Principal Dr Arasu with the invited dignitaries and participants.

from Government Science College on 'Careers in Mathematics', Dr. Akhilesh Pathak from St. Aloysius' College on 'Writing a Research Paper'. In her valedictory address coordinator of the event, Dr. Mandira Kar, Head Department of Mathematics expressed her views on 'Importance, Skill Development and Research in Mathematics in Accordance with New Education Policy 2020'.

In addition, the newsletter

of the 'Mathematical Society' was released by the dignitaries. More than 100 students participated and received certificates and prizes.

The entire programme was conducted under the guidance of Principal Rev. Dr. G Vazhan Arasu. Faculty members, Dr. Mita Darbari, Dr. Archana Pasari and Dr. Satyendra Jain worked towards making the event a success. The compere of the event was Sanjana Yadav and a vote of thanks was proposed by Dr Preeti Nagar.