



EMRS STAFF SELECTION EXAM (ESSE)-2025

Syllabus for the posts of TGT

National Education Society for Tribal Students

Syllabus Tier-I-TGTs

- **Part-I-General Awareness**
General knowledge and Current affairs.
- **Part-II-Reasoning Ability**
Puzzles & Seating arrangement, Data sufficiency, Statement based questions (Verbal reasoning), Inequality, Blood relations, Sequences and Series, Direction Test, Assertion and Reason, Venn Diagrams.
- **Part-III-Knowledge of ICT**
Fundamentals of Computer System, Basics of Operating System, MS Office, Keyboard Shortcuts and their uses, Important Computer Terms and Abbreviations, Computer Networks, Cyber Security, and Internet.
- **Part-IV-Teaching Aptitude**
Teaching-Nature, Characteristics, Objectives and Basic requirements, Learner's characteristics, Factors affecting teaching, Methods of Teaching, Teaching Aids and Evaluation Systems.
- **Part-V-Domain Knowledge (a&b)**
(a) Experiential activity-based pedagogy and case study based questions
(b) National Education Policy (NEP)- 2020
- **Part-VI-Language Competency (a, b &c)**
(a) General English
Verb, Tenses, Voice, Subject-Verb Agreement, Articles, Comprehension, Fill in the Blanks, Adverb, Error Correction, Sentence Rearrangement, Unseen Passages, Vocabulary, Antonyms/Synonyms, Grammar, Idioms & Phrases
(b) General Hindi
संधि, समास, विलोम शब्द, पर्यायवाची शब्द, सामान्य असुद्धियाँ, वाक्यांशों के लिए एक शब्द, मुहावरे- लोकोक्तियां, अपठित गद्यांश पर आधारित प्रश्न |
(c) Regional Language-As opted by the candidate. (If the candidate opts for Hindi/English, the level will be of higher standard than the general Hindi /English)
Verb, Tenses, Voice, Subject-Verb Agreement, Articles, Comprehension, Fill in the Blanks, Adverb, Error Correction, Sentence Rearrangement, Unseen Passages, Vocabulary, Antonyms/Synonyms, Grammar, Idioms & Phrases, in the following languages:
(1) Assamese (2) Bengali (3) Bodo (4) Dogri (5) English (6) Garo (7) Gujarati (8) Hindi, (9) Kannada (10) Kashmiri (11) Khasi (12) Malayalam (13) Manipuri (14) Marathi (15) Mizo (16) Nepali (17) Odiya (18) Santhali (19) Telugu (20) Urdu

Syllabus Tier-II-TGTs

TGT-English

Reading Comprehension (Section - A)

Ability to comprehend, analyze and interpret an unseen text

Three/four unseen texts of varying lengths (150-250 words) with a variety of objective type, multiple choice questions (including questions to test vocabulary) testing factual and global comprehension.

Writing ability (Section - B)

Testing ability to express facts views/opinions in a coherent and logical manner in a style suitable to the task set.

- B.1 One short writing task such as: notice, message or a postcard.
- B.2 Writing a report of an event, process, or place.
- B.3 Writing an article / debate / speech based on visual / verbal input on a given concurrent topic for e.g., environment, education, child labour, gender bias, drug-abuse etc. presenting own views fluently.
- B.4 Writing a letter (formal/informal) on the basis of verbal / visual input. Letter types include: (a) letter to the editor; (b) letter of complaint; (c) letter of request; (d) descriptive, personal letters.

Grammar and Usage (Section - C)

Ability to apply the knowledge of syntax, language/grammatical items and to use them accurately in context.

The following grammatical structures will be tested:

- ✓ Tenses, Modals, Voice, Subject – verb concord, Connectors, Clauses, Parts of speech, Punctuation, Sequencing to form a coherent sentence or a paragraph

Literature (Section - D)

To test the candidate's familiarity with the works of writers of different genres and periods of English Literature.

The candidate should have a thorough knowledge of: -

- ✓ Shakespeare's works.
- ✓ Romantic Period (e.g. Shelley, Wordsworth, Keats, Coleridge, Byron etc.)
- ✓ 19th & 20th Century American and English Literature (e.g. Robert Frost, Hemingway, Ted Huges, Whitman, Hawthorne, Emily Dickinson, Bernard Shaw etc.)
- ✓ Modern Indian Writing in English (e.g. Anita Desai, Vikram Seth, Nissim Ezekiel, K.N. Daruwala, Ruskin Bond, R.K. Narayan, Mulk Raj Anand, Khushwant Singh etc.)
- ✓ Modern Writings in English from different parts of the world.

गद्य साहित्य :-

- हिन्दी साहित्य का उद्भव, विकास एवं गद्य साहित्य की विधाएं
- उपन्यास पर आधारित प्रश्न
- कहानी पर आधारित प्रश्न
- नाटक /एकांकी पर आधारित प्रश्न
- निबंध पर आधारित प्रश्न
- यात्रा - बृतांत पर आधारित प्रश्न
- संस्मरण / रेखाचित्र पर आधारित प्रश्न
- आत्मकथा / जीवनी पर आधारित प्रश्न
- रिपोर्टाज पर आधारित प्रश्न

काव्य भाग :-

- हिन्दी काव्य का विकास
- आदिकालीन काव्य पर प्रश्न
- भक्तिकालीन काव्य पर प्रश्न (निर्गुण काव्य, सगुण काव्य तथा सूफी काव्य)
- रीतिकालीन काव्य पर प्रश्न
- आधुनिककालीन काव्य पर प्रश्न
- (भारतेन्दु युग, द्विवेदी युग, छायावाद, प्रगणतिवाद, प्रयोगवाद, नई कविता, समकालीन कविता हैं।)

हिन्दी भाषा का विकास एंव व्यावहारिक व्याकरण:-

- हिन्दी भाषा का विकास, इसकी उप-भाषाएं एंव बोलियां
- देवनागरी मै विकास
- देवनागरी लिपि एंव उसका विकास
- वर्ण विचार- (उच्चारण, वर्तनी एंव संधि)
- शब्द विचार और शब्द रचना (पर्याय, विलोम, अनेकार्थक, श्रुति- सम-भिन्नार्थक शब्द इत्यादि)
- विकारी शब्द, अविकारी शब्द
- वाक्य रचना :- (रचना और अर्थ के आधार पर), पद परिचय
- अलंकार
- शब्द - शक्तियां
- मुहावरे एंव लोकोक्तियां
- अपठित गद्यांश / पद्यांश
- संविधान में हिन्दी की स्थिति (संपर्क भाषा हिन्दी, प्रयोजन मूलक हिन्दी, कार्यालय हिन्दी, मानक हिन्दी)

Real Number:

Representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals, on the number line through successive magnification.

Rational numbers as recurring / terminating decimals. Examples of non-recurring / non-terminating decimals. Existence of non-rational numbers (irrational numbers) and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, every point on the number line represents a unique real number.

Laws of exponents with integral powers. Rational exponents with positive real bases. Rationalization of real numbers. Euclid's division lemma, Fundamental Theorem of Arithmetic. Expansions of rational numbers in terms of terminating / non-terminating recurring decimals.

Elementary Number Theory:

Peano's Axioms, Principle of Induction; First Principle, Second Principle, Third Principle, Basis Representation Theorem, Greatest Integer Function, Test of Divisibility, Euclid's algorithm, The Unique Factorization Theorem, Congruence, Chinese Remainder Theorem, Sum of divisors of a number. Euler's totient function, Theorems of Fermat and Wilson.

Matrices:

R , R_2 , R_3 as vector spaces over R and concept of R^n . Standard basis for each of them. Linear Independence and examples of different bases. Subspaces of R_2 , R_3 . Translation, Dilation, Rotation, Reflection in a point, line and plane. Matrix form of basic geometric transformations. Interpretation of eigenvalues and eigenvectors for such transformations and eigenspaces as invariant subspaces. Matrices in diagonal form. Reduction to diagonal form upto matrices of order 3. Computation of matrix inverses using elementary row operations. Rank of matrix, Solutions of a system of linear equations using matrices.

Polynomials:

Definition of a polynomial in one variable, its coefficients, with examples and counter examples, its terms, zero polynomial. Degree of a polynomial, Constant, linear, quadratic, cubic polynomials; monomials, binomials, trinomials. Factors and multiples. Zeros / roots of a polynomial / equation. Remainder Theorem with examples and analogy to integers. Statement and proof of the Factor Theorem. Factorization of quadratic and of cubic polynomials using the Factor Theorem. Algebraic expressions and identities and their use in factorization of polynomials. Simple expressions reducible to these polynomials.

Linear Equations in two variables:

Introduction to the equation in two variables. Proof that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, Algebraic and graphical solutions.

Pair of Linear Equations in two variables:

Pair of linear equations in two variables. Geometric representation of different possibilities of solutions / inconsistency. Algebraic conditions for number of solutions. Solution of pair of linear equations in two variables algebraically – by substitution, by elimination and by cross multiplication.

Quadratic Equations:

Standard form of a quadratic equation. Solution of the quadratic equations (only real roots) by

factorization and by completing the square, i.e., by using quadratic formula. Relationship between discriminant and nature of roots. Relation between roots and coefficients, Symmetric functions of the roots of an equation. Common roots.

Arithmetic Progressions:

Derivation of standard results of finding the nth term and sum of first n terms.

Inequalities:

Elementary Inequalities, Absolute value, Inequality of means, Cauchy – Schwarz Inequality, Chebyshev's Inequality.

Combinatorics:

Principle of Inclusion and Exclusion, Pigeon Hole Principle, Recurrence Relations, Binomial Coefficients.

Calculus:

Sets. Functions and their graphs: polynomial, sine, cosine, exponential and logarithmic functions. Step function, Limits and continuity. Differentiation, Methods of differentiation like Chain rule, Product rule and Quotient rule. Second order derivatives of above functions. Integration as reverse process of differentiation. Integrals of the functions introduced above.

Euclidean Geometry:

Axioms / postulates and theorems. The five postulates and Euclid. Equivalent versions of the fifth postulate. Relationship between axiom and theorem. Theorems and lines and angles, triangles and quadrilaterals, Theorems on areas of parallelograms and triangles, Circles, theorems on circles, Similar triangles, Theorem on similar triangles. Constructions.

Ceva's Theorem, Menelaus's Theorem, Nine Point Circle, Simson's Line, Centres of Similitude of Two Circles, Lehmus Steiner Theorem, Ptolemy's Theorem.

Coordinate Geometry:

The Cartesian plane, coordinates of a point, Distance between two points and section formula, Area of a triangle.

Areas and Volumes:

Area of a triangle using Heron's formula and its application in finding the area of a quadrilateral. Surface areas and volumes of cubes, cuboids, spheres (Including hemispheres) and right circular cylinders/cones. Frustum of a cone.

Area of a circle: area of sectors and segments of a circle.

Trigonometry:

Trigonometric ratios of an acute angle of a right – angled triangle. Relationships between the ratios. Trigonometric identities. Trigonometric ratios of complementary angles. Heights and distances.

Statistics:

Introduction to Statistics: Collection of data, presentation of data, tabular form, ungrouped /grouped, bar graphs, histograms, frequency polygons, qualitative analysis of data to choose the correct form of presentation for the collected data. Mean, median, mode of ungrouped data. Mean, median and mode of grouped data. Cumulative frequency graph.

Probability:

Elementary Probability and basic laws. Discrete and Continuous Random variable, Mathematical Expectation, Mean and Variance of Binomial, Poisson and Normal distribution. Sample mean and Sampling Variance. Hypothesis testing using standard normal variate. Curve Fitting. Correlation and Regression.

TGT-SCIENCE

EFFECT OF CURRENT

Potential; potential difference ohms law; series combination of resistors, parallel combination of resistors; Power dissipation due to current; Inter relation between P, V, I and R. Magnetic field & magnetic lines, Magnetic field due to current carrying conductor; Fleming left hand rule, Electromagnetic Induction; Induced Potential Difference, Induced current; Direct current, Alternating current; Frequency of AC, Advantage of Electronic Motor & Electronic Generator.

LIGHT

Convergence and Divergence of light; Images formed by a Concave Mirror; related concepts, centre of curvature; principles axis, optic centre, focus, focal length, Refraction & laws of refraction. Images formed by a convex lens; functioning of vision and remedies.

Applications of spherical mirrors and lenses.

Appreciation of concept of refraction index; Twinkling of stars; Dispersion of light; Scattering of light.

SOURCES OF ENERGY

Different forms of Energy, Leading to different sources for human use: Fossil Fuels, solar energy; Biogas; Wind; Water and Tidal Energy; Nuclear Energy.

Renewable versus non-renewable sources.

MOTION: FORCE AND NEWTON'S LAWS

Displacement, Velocity, uniform & non-uniform motion along a straight line, acceleration distance-time and velocity, Time graphs for uniform and uniformly accelerated motion; Equations of motion by graphical method; Elementary idea of uniform circular motion.

Force and Motion; Newton's laws of motion Inertia of a body; Inertia and Mass, Momentum Force and acceleration, Elementary idea of conservation of momentum, Action and Reaction forces.

GRAVITATION: WORK, ENERGY AND POWER

Gravitation; Universal Law of Gravitation, Force of gravitation of the earth gravity, acceleration due to gravity; mass and weight; free fall. Work done by a force energy, power; Kinetic and Potential energy; law of conservation of energy.

FLOATATION

Thrust and Pressure, Archimedes Principle, Buoyancy, Elementary idea of relative density.

SOUND

Nature of Sound and its Propagation in various media, Speed of Sound, Range of hearing in Humans; Ultra Sound, Reflection of sound; Echo and SONAR; Structure of the Human Ear (Auditory aspect only).

MATTER-NATURE AND BEHAVIOUR: STATES OF MATTER

Gases, liquids, solids, plasma and Bose-Einstein condensate, types of intermolecular forces.

Classification of matter into mixtures and pure substances. Henry's Law.

Concentration of solutions.

Colloids-phases of colloids, Tyndall effect, Brownian movement. Suspension.

Properties of matter. Measurement of properties of matter-S.I. system of units, physical and chemical changes.

Laws of chemical combination.

Gay Loussac's law, Avogadro law, atomic and molecular masses, average atomic mass, mole concept

and molar masses, percentage composition.

STRUCTURE OF ATOM

Dalton's atomic theory, Discharge tube experiments, J J Thomson's model of atom, Rutherford's model, Bohr's model of atom, electronic configuration, formation of ions, Characterization of elements as metals, metalloids, or non-metals, isotopes (their applications), isobars and isotones.

PERIODIC CLASSIFICATION OF ELEMENTS

Mendeleev's periodic law, Periodic properties of elements, trends in the periods and groups: Importance of the periodic table, position of hydrogen in the periodic table.

CHEMICAL SUBSTANCES

Nature and behavior of Acid, Basis and Salts: Classical definition of acids and bases, Bronsted-Lowry theory, Lewis's concept of acid and bases, relative strengths of acids and bases, logarithmic or p scale- pH, pOH and pkw, ionic equilibria in a solution.

Action of indicators on acids and bases, sources of acid and bases, Salt-Classification of salts and their pH.

CHEMICAL REACTIONS

Formulation of chemical equations, balancing chemical equations, types of chemical equations with examples.

METALS AND NON-METALS

Characters of metals and non-metals including all properties and applications.

Occurrence of metals in nature: ores and minerals, enrichment of ores – metallurgical operations

Corrosion: rusting of iron – prevention of corrosion.

CARBON COMPOUNDS

Position of carbon in the periodic table. Concept of hybridization and shapes of molecules structural formula and molecular models, types of reactions undergone by organic compounds, homologous series of compounds having different functional groups, isomerism, IUPAC nomenclature of organic compounds.

Hydrocarbons – their classification formation of coal and petroleum.

Industrial source, preparation and properties of alkanes.

Alcohols: Preparation and properties. Qualitative analysis of alcohols, iodoform test, effect of alcohols on living beings.

Carboxylic acids: Preparation and properties.

Functional group analysis of carboxylic acid.

Soaps, detergents, biodegradable detergents. Carbon fibers.

CONSERVATION OF NATURAL RESOURCES

Pollution of river water, Ganga action plan for improving quality of water,

(1) Need for sustainable management of natural resources.

Development of non- conventional energy resources to prevent pollution and atmospheric conservation.

MAN MADE MATERIAL

Ceramics, cement, porcelain, glass, carbon fibers, soaps and detergents, polymers, fibers and plastics.

Life Processes

- What are life Processes
- Need for Nutrition
- Different modes of Nutrition in animals
- What is Photosynthesis
- Various steps of holozoic nutrition
- Aerobic and anaerobic respiration
- Transportation in Human beings
- Transportation in Plants
- Transportation in animals
- Excretion in animals including Human beings
- Excretion in Plants

Control & Co-ordination

- Animals – nervous system
- Basic unit of Nervous System in animals
- Reflex action
- Human Brain
- Co-ordination in plants
- Geotropism – Positive, Negative
- Hormones in animals
- Endocrine & Exocrine glands

Reproduction

- Importance of variation
- Modes of Reproduction used by single organisms
- Sexual Reproduction in plants and animals
- Reproduction in Human beings
- What happens when egg is not fertilised
- Modes of avoiding pregnancy (family planning)

Heredity and Evolution

- What is heredity?
- Mendel's Law of inheritance
- How is sex determined?
- Evolution & Classification
- Acquired and inherited traits
- Homologous and Analogous organs
- What are fossils?
- Human Evolution

The Human eye and the colourful world

- Structure of eye
- Defects of eye and their correction

Natural resources

The fundamental unit of Life

- What are living organisms made of?
- Structure organization of cell

Tissues

- Define tissue
- Types of plant tissue and animal tissues

Diversity of living organisms

- Basis of Classification
- Classification & Evolution
- Hierarchy of classification – groups
- Plantae, Animalia
- Nomenclature

Why do we fall ill

- Health & its failure
- Diseases and their causes
- Types of diseases- Infectious, Non-infectious
- Prevention of diseases
- Immunization

NATURAL RESOURCES

1. Our Environment:

Atmosphere, role of atmosphere in climate control, wind, rain, environmental pollution:

Global warming and greenhouse effect, acid rain, particulate pollutants, smog, formation of photochemical smog.

Formation of ozone and its break down ozone hole, causes of ozone hole formation, polar vortex, effects of depletion of ozone hole.

Water pollution-oxygen demand, chemical oxygen demand, international standard of drinking water, processing of drinking water.

Soil pollution: water recycling, strategies to control environmental pollution, its collection and proper methods of disposal.

Biogeochemical cycles: water cycle, nitrogen cycle, carbon cycle and oxygen cycle.

2. Breath of life: Air, Air pollution
3. Water a wonderful liquid
4. Water pollution
5. Biochemical cycles, Nitrogen cycle, Carbon cycle. Oxygen cycle.
6. The greenhouse effect.
7. What is ozone layer. How does it protect the Earth. What are the causes of depletion of ozone layer. How can it affect day to day life of living organisms.

Improvement in Food Resources

1. Improvement in crop yield.
2. Animal Husbandry.
3. Need for Intercropping.
4. Cross Breeding.

TGT-SOCIAL SCIENCE

HISTORY

Contemporary World:

- a. Industrial Revolution
- b. Economic Depression
- c. Labour & Peasant Class issues
- d. Growth of industries in India in twentieth century
- e. Features of colonial society in India

French Revolution:

- a. Causes
- b. Events
- c. Impact
- d. Consequences

The Revolt of 1857.

Indian Freedom Struggle – 1885 to 1947

Russian Revolution – 1917, Causes, Events, Impact on Russia and the World, Consequences.

Rise of Socialism:

- Philosophy of Karl Marx
- Socialism in Europe
- Impact of Socialism

Rise of Fascist Forces in Germany & Italy.

The Two World Wars and the establishment of UN.

GEOGRAPHY

Introduction to solar system; origin of Earth

Motions of the Earth: Rotation, Revolution, Occurrence of Day and night; change of seasons; Latitudes and Longitudes; Finding time.

Earth's Interior: Origin of continents and ocean basins Wegener's Continental drift theory, Theory of Plate Tectonics, Earthquakes and Volcanoes, Folding and faulting.

Rocks and minerals: Types of rocks; soil formation; major types and characteristics.

Agents of gradation: Weathering, mass wasting, running water, wind, glaciers, sea waves and karst topography.

Climate:

Atmosphere – Composition and structure, elements of weather and climate

Insulation – Heat Budget, Heating and cooling of atmosphere, Conduction, Convection, Solar Radiation, Terrestrial radiation, Advection, Temperature, Factors controlling temperature, distribution of temperature-horizontal and vertical

Pressure – Pressure belts, winds, cyclones and anti-cyclone

Evaporation, condensation and precipitation and their forms: Humidity, rainfall and its types

World climates – Classification, greenhouse effect, global warming and global climate change.

Water (Oceans): Distribution of water bodies on the Earth's surface; hydrological cycle.

Ocean – Submarine relief, distribution of temperature and salinity; movement of ocean water's-waves, tides currents of Atlantic, Pacific and Indian Ocean

Maps and Scales – Definition and classification

Finding directions, conventional signs

Techniques of representing relief features on map; contours, hachures, Hill shading, layer tinting.

Representation of climatic data; line and Bar Graph, (Climograph) Isotherms, isobars and isohyets

Biosphere: Ecology, type of Eco-System, structure and functions of Eco-System-Food Chain, Food Web, World Biomes, Ecological Balance, Biodiversity and its conservation.

India (Size and Location)

Physical features of India

Geological Structure, Physiographic divisions, drainage system and its evolution.

Climate: origin and mechanism of Indian monsoon, Seasons of India, Classification of Climate of India.

Köppen's Soil: Types and distribution.

Natural Vegetation: Types and distribution.

Population:

Growth and Distribution of population: Causes & Factors

Migration-Causes and consequences

Population theories & their relevance-Malthus, Demographic transition – theory

Population composition and its Attributes: Population and sustainable development;

Population as a resource; Population problems and policies with reference to India

Resources and Development

Meaning, nature and Components of resources and environment; Resources, environment and technology interface: classification of resources.

Distribution, utilization, economic and environmental significance and conservation of water, Minerals, Forests and fisheries; production and distribution of major crops, wild life resource and energy resources.

Agriculture

Wet and dry agriculture, Intensive, Extensive, shifting, commercial and plantation agricultural development and problems, crop intensity, major crops

Manufacturing Industries

Classification, locational factors, types and distribution, industrial clusters of India, Production and distribution of sugar, Cotton Textile Iron and Steel, chemicals and electronic industries.

Life lines of National Economy

Means of transportation and communication, Roads, Railways, waterways and airways, oil and gas pipelines, National electric grid, radio, television satellite and computers

International trade – Changing pattern of India's foreign trade, sea ports and airports: Tourism as trade.

Understanding Disaster and Hazards

Type of Disasters – Natural & Manmade

1. Disaster Management: Becoming a Disaster manager. Components of Disaster Management.
2. Disaster risk reduction: Disaster risk management. Understanding Disaster mitigation. Specific Hazards and mitigation.
3. Common manmade Disasters and their prevention
4. Community based Disaster management and social planning for Disasters.
5. Tsunami: The killer sea waves.
6. Survival skills: during and after Disaster.
7. Alternative Communication system
8. Safe construction Practices
9. Sharing Responsibilities
10. Planning ahead.

Components of production

People as Resource

- Economic activities / non-economic activities
- Population
- Education
- Health
- Unemployment / Employment

Poverty as a challenge

- Poverty line
- Poverty & inequality
- Policies for poverty reduction
- Poverty estimates

Food Security in India

- Food Security
- Green revolution
- Buffer Stock
- Issue Price / Support Price
- Role of co-operative societies in food security

Development

Growth / Development and structural development:

- Growth and distribution, sustainable agricultural growth
- Growth structural changes

- Population and human resource development
- Purchasing power parity (PPP)
- Main features of Indian Economy at the time of Independence
- Economic development
- Gross enrolment ratio
- Foreign trade & Economic development
- Development & under development
- Distribution of Income / factors of development

Sectors of the Economy

- Classification of Sectors like – Primary/Secondary/Organized/Unorganized/Public/Private Sector
- Small and Large Industry
- Performance of the Public Sector
- Privatization
- Employment growth in the Industrial Sector

Money & Credit

- Indian Monetary System
- Function of money
- Banks:
 - Central Bank function
 - Commercial Banks
- Self Help Groups (SHGs)
- Debt trap
- Demand of money & supply of money
- Financial markets
- Money and capital market
- Monetary aggregates in India

CIVICS

Power sharing

Federalism

Democracy and Diversity

Political parties

Elections

Challenges to Democracy

Popular struggle and movements – like in Nepal, Bolivia

Democracy:

- Concept
- Salient Features
- Local Self Government
- Elections
- Democracy in India & the World

Indian Constitution:

- Framing of the constitution
- Adoption of the constitution
- Working of Institutions – Parliament, Judiciary
- Fundamental Rights

TGT- Computer Science

Computer Systems and Organisation

- **Basic Computer Organisation:** Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB), Overview of computer memory systems, including semiconductor main memory and cache memory, Advanced DRAM organization and memory hierarchy
- **Types of software:** system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software
- **Operating system (OS):** functions of operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits
- **Number system:** Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems.
- **Encoding schemes:** ASCII, ISCII and UNICODE (UTF8, UTF32)
- System Buses: Components of a computer system, its functions, and interconnection structures. Bus architecture: general bus concept and PCI (Peripheral Component Interconnect). Address, Data, Control buses
- **CPU Structure:** Register organization, Stack organization, Instruction format, Addressing modes, RISC vs. CISC architectures

Application Software

- Word Processor
- Electronic Spreadsheet
- Presentation Tools

Computational Thinking and Programming

- **Introduction to problem solving:** Steps for problem solving (analyzing the problem, developing an algorithm, coding, testing and debugging). representation of algorithms using flow chart and pseudo code, decomposition

- **Familiarization with the basics of Python programming:** Introduction to Python, features of Python, executing a simple “hello world” program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- **Knowledge of data types:** number (integer, floating point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types
- **Operators:** arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, notin)
- **Expressions, statement, type conversion & input/output:** precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output
- **Errors:** syntax errors, logical errors, runtime errors
- Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control
- **Conditional statements:** if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number
- **Iterative statements:** for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc
- **Strings:** introduction, indexing, string operations (concatenation, repetition, membership & slicing), traversing a string using loops, built-in functions: len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(), rstrip(), strip(), replace(), join(), partition(), split()
- **Lists:** introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum,

mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list

- **Tuples:** introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple
- **Dictionary:** introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them
- **Introduction to Python modules:** Importing module using 'import' and using from statement, importing math module (pi, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode)
- **Functions:** types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file
- **Binary file:** basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method read, write/create, search, append and update operations in a binary file

- **CSV file:** import csv module, open / close csv file, write into a csv file using csv.writerow() and read from a csv file using csv.reader()

Society, Law and Ethics

- Digital Footprints
- **Digital society and Netizen:** net etiquettes, communication etiquettes, social media etiquettes
- **Data protection:** Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source softwares and licensing (Creative Commons, GPL and Apache)
- **Cyber-crime:** definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime
- **Cyber safety:** safely browsing the web, identity protection, confidentiality, cyber trolls and bullying.
- **Safely accessing web sites:** malware, viruses, trojans, adware
- **E-waste management:** proper disposal of used electronic gadgets
- Indian Information Technology Act (IT Act)
- **Technology & Society:** Gender and disability issues while teaching and using computers

Computer Networks

- **Evolution of networking:** introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET)
- **Data communication terminologies:** concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching)
- **Transmission media:** Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves)
- **Network devices:** (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card).

- **Network topologies and Network types:** types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)
- **Network protocol:** HTTP, F T P , P P P , S M T P , T C P /I P , P O P 3 , H T T P S , T E L N E T , VoIP, wireless/mobile communication protocol such as GSM, GPRS and WLL
- **Introduction to web services:** WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting.

Database Management

- **Database concepts:** introduction to database concepts and its need
- **Relational data model:** relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key)
- **Structured Query Language:** introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, group by, having clause, joins: Cartesian product on two tables, equi-join, Union and natural join
- Math functions: POWER (), ROUND (), MOD () .
- **Text functions:** UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM ().
- **Date Functions:** NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME ().
- **Aggregate Functions:** MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).
- Querying and manipulating data using Group by, Having, Order by.

Emerging Trends

- Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.

Artificial Intelligence

- **AI Core Concepts:** AI domains, ethics, project cycle, data literacy, generative AI, modeling, evaluation, stats, CV, NLP, **Automated vs. autonomous systems, Basics of machine learning, Importance of cybersecurity in AI**

Use of AI Tools:

- **ChatGPT** – Text generation, explanations, brainstorming.
- **Gemini (Google)** – AI search and summarization.
- **Claude (Anthropic)** – Writing, summarizing, reasoning tasks.
- **Microsoft Copilot** – Integrated with Word, Excel, PowerPoint for AI assistance.
- **Canva AI** – Magic Write, AI design suggestions, image generation.

Regional Language (Third Language) Syllabus

বাংলা (Bengali)

১। পাঠ্যপুস্তক নির্ভর প্রশ্ন:

ত্রিপুরা মধ্যশিক্ষা পর্দ প্রকাশিত উচ্চতর মাধ্যমিক বাংলা সাহিত্য সংকলন “সাহিত্য মালঞ্চ” (একাদশ ও দ্বাদশ - শ্রেণি) দুটি গ্রন্থের পাঠ্যসূচি অনুযায়ী কবিতা, গদ্য, নাটক ও ছোটগল্প অবলম্বনে প্রশ্ন থাকবে।

(ক) প্রশ্নের বিষয়: রচয়িতার পরিচয়, বিষয়বস্তুর স্বরূপ, রসবৈশিষ্ট্য নির্ধারণ, চরিত্র বৈশিষ্ট্য নিরূপণ (কাহিনি ভিত্তিক রচনার - ক্ষেত্রে পূর্ব বর্ণিত বিষয়গুলি অন্তর্ভুক্ত হবে)।

(খ) পাঠ্যাংশ থেকে উদ্ভৃত অংশের ভিত্তিতে টীকা, ব্যাখ্যা এবং ভাষাগত বৈশিষ্ট্যের প্রশ্ন থাকবে।

২। বাংলা সাহিত্যের ইতিহাস:

(কে) প্রাচীন ও মধ্যযুগ (১০-ম থেকে ১৮-শ শতক):

- প্রাচীন ও মধ্যযুগের আর্থ - সামাজিক প্রেক্ষাপটে বাংলা সাহিত্যের উন্নয়ন, উদ্ভব, বিকাশ ও প্রভাব।
- বাংলা কাব্যের উত্তর ও প্রকাশকাল; বিভিন্ন কাব্যধারা ও তার প্রধান প্রধান কবির পরিচয়; কাব্য বিষয়ের বৈচিত্র্য ও বিবিধ বৈশিষ্ট্য; এতিহাসিক গুরুত্ব ও সাহিত্যমূল্য।

বিষয়: বাংলা ভাষার উদ্ভব, চর্যাপদ, শ্রীকৃষ্ণন্তকীর্তন, বৈঞ্চব পদাবলী, অনুবাদ কাব্য (রামায়ণ, মহাভারত ও ভাগবত), মঙ্গলকাব্য, চৈতন্য-জীবনীকাব্য, নাথসাহিত্য, আরাকান রাজসভার সাহিত্য, শাঙ্ক পদাবলী, ময়মনসিংহ গীতিকা, বাটুলগান।

(খ) আধুনিক যুগ (১৯শ থেকে ২০-শ শতক):

- যুগসম্মতি ও আধুনিক যুগপর্বের প্রধান প্রধান এতিহাসিক ঘটনা এবং বাংলা সাহিত্যে তার প্রভাব।
- রচয়িতার জীবন ও সূজনকর্মের বিশিষ্টতা, গ্রন্থের নাম, প্রকাশকাল, বিষয়বস্তু, চরিত্র-নির্মাণ (আখ্যান নির্ভর রচনার ক্ষেত্রে)।
- সাময়িকপত্রের ক্ষেত্রে - প্রথম প্রকাশকালঞ্চ, এতিহাসিক গুরুত্ব, সম্পাদকের নাম।

বিষয়: গদ্য, প্রবন্ধ সাহিত্য, সাময়িকপত্র (৫দিগদর্শন” থেকে “কবিতা” পত্রিকা অবধি), কাব্যসাহিত্য, নাট্যসাহিত্য, কথাসাহিত্য।

৩। সাহিত্যের ক্রপ-বীতি:

- কাব্য: আখ্যানকাব্য, মহাকাব্য, গীতিকবিতা, সন্তো।
- প্রবন্ধ: সংজ্ঞা - স্বরূপ, রম্যরচনা ও সমালোচনা সাহিত্য।
- নাটক: ট্র্যাজেডি, কমেডি, প্রহসন, পৌরাণিক নাটক, এতিহাসিক নাটক, সামাজিক নাটক, একাঙ্ক নাটক, ক্রপক - সাংকেতিক নাটক, কাব্যনাট্য, নাট্যকাব্য।
- উপন্যাস: নভেল ও রোমান্স, এতিহাসিক উপন্যাস, সামাজিক উপন্যাস, আঞ্চলিক উপন্যাস, রাজনৈতিক উপন্যাস, মনস্তাত্ত্বিক উপন্যাস, আঞ্চলিক মূলক উপন্যাস, কাব্যোপন্যাস।
- ছোটগল্প: ছোট্টোগল্পের বিবিধ বৈচিত্র্য।

৪। বাংলা ভাষাতত্ত্ব :

(ক) বাংলা ভাষার উত্তর: ভাষা এবং উপভাষার সম্পর্ক, বাংলার উপভাষা, সাধু ও চলিত ভাষা (বৈশিষ্ট্য, পার্থক্য ও ক্রমান্বয়)

(খ) ধূনিতত্ত্ব: বাংলার স্বরধূনি ও ব্যঞ্জনধূনির পরিচয় ও উচ্চারণস্থান, বাংলার ধূনি-পরিবর্তনের কারণ এবং কয়েকটি বিশিষ্ট

নিয়ম - (শ্বরভঙ্গি, অপিনিহিতি, অভিমুক্তি, স্বরসঙ্গতি, সমীভূতন, বণবিপর্যয়, বিষমীভূতন, নাসিক্তীভূতন, ধূনিলোপ, স্বরাগম, বণবিত্ত লোকনিরুক্তি, অল্পপ্রাণীভূতন, মহাপ্রাণীভূতন, ঘোষীভূতন, অঘোষীভূতন, সমাক্ষরলোপ, সাদৃশ্য, জোড়কলম শব্দ, নুতিধূনি) ।

গ) শব্দভান্ডার - শব্দের বিভিন্ন শ্রেণিবিভাগ (তিঃসম, অর্ধতৎসম, তন্ত্রব, দেশি, বেদেশি বা আগন্তুক ও সংকর শব্দ)।

(ঘ) শব্দার্থতত্ত্ব - শব্দের অর্থ পরিবর্তনের প্রধান প্রধান কারণ ও বিভিন্ন ধারা (ঐথের্ভিস্টার, অর্থ-সংকোচ, অর্থসংক্রম বা অর্থ সিংশ্লেষ) ।

৬। কাব্য নির্মাণশৈলী:

(ক) ছন্দ: সংজ্ঞা, বিচার, দল / অক্ষর, কলা বা মাত্রা, ছেদ, যতি, পর্ব, পর্বাঙ্গ, লয়, পংক্তি, চরণ ও স্তবক। নামান্তর সহ অক্ষরবৃত্ত, মাত্রাবৃত্ত ও স্বরবৃত্ত ছন্দ।

(খ) অলঙ্কার:

- শব্দালঙ্কার - অনুপ্রাস, যমক, শ্লেষ, বাক্রোক্তি ।

অর্থালঙ্কার - উপমা, রূপক, উৎপ্রেক্ষা, ব্যাজস্তুতি, অতিশয়োক্তি, অপন্তুতি, সমাসোক্তি, ব্যতিরেক, বিরোধ, নিশ্চয়, সন্দেহ।

(গ) কাব্য-বিচারে ধূনিবাদী ও রসবাদীদের মতামত।

ગુજરાતી
GUJRATI

વાચન ક્ષમતા વિભાગ-૨ (READING SKILLS / SECTION - A)

- અપતિ પાઠ
(Unseen Passage)

વ્યાકરણ ક્ષમતા વિભાગ- બ (GRAMMAR SECTION - B)

- રૂઢિપ્રયોગોના અર્થ અને વાક્યપ્રયોગ (Idioms and application in sentences)
- કહેવતોનો અર્થ (meaning of proverbs)
- જોડણી (spelling)
- સમાસ અને સંધિ (compound and concord and its classification)
- સમાનાર્થી અને વિરુધ્ધાર્થી શબ્દ (synonyms and antonyms)
- કર્તરિ, કર્મણિ, ભાવે અને પ્રેરક રૂપના (usage of voice)
- અનુગ્રહિત અને નામયોગી (usage of case)
- વિરામચિદ્દનો (explanation of punctuation)
- કાળપરિવર્તન (classification of tenses)
- વચન અને લિંગ વ્યવસ્થા (usages of gender and number)
- વાક્યના પ્રકાર : વિધિ, નિષેધ, પ્રક્ષાર્થ, ઉદગાર, સાંદ્ર, સંયુક્તઅને સંકુલ વાક્ય (kinds of sentences: positive, negative, question, simple, complex, compound)
- પૂર્વ પ્રત્યય અને પર પ્રત્યય (purve and par pratyay)
- છંદ (chhand/rhyming word)
- કિયાપદ, સંયોજક, વિશેષણ, કિયાવિશેષણ (verb, conjunction, adjective, adverb)
- શુદ્ધ-અશુદ્ધ વાક્યરૂપના (correct and incorrect sentences)

ગુજરાતી સાહિત્ય વિભાગ- બ (Gujarati literature section-C)

- મધ્યકાવીન સાહિત્ય : સર્જકો -નરસિંહ મહેતા, મીરાંબાઈ, ભાવણા, અખો, પ્રેમાનંદ, શામળ, દયારામ, પ્રિતમ (medieval period of Gujarati literature:-narshinh maheta, mirabai, bhalan, akho, premand, shamal, dayaram, pritam)
- મધ્યકાવીન સાહિત્યની પ્રમુખ ફુતિઓનો પરિચય : (renewed literary in medieval period) :-
 - ભરતેશ્વર બાહુભાલી રાસ (bharteshwar bahubali ras)
 - વસંત વિવાસ (vasant vilas) - અખે ગીતા (akhe geeta)
 - કાન્ધડે પ્રબંધ (kandhdde prabhand)
 - નળાખ્યાન (nalakhyan)
 - મદન મોહના (madan mohna)
 - રસિક વલ્લભ (rasik vallabh)

- નરસિંહ મહેતા અને મિરાંનાપદો અને સંપાદન: (narshinh maheta and mira'na pado/sapandan)

[progress of gujrati language: jain yug to arwachin yug]

- જૈન યુગ(jain yug) - જૈનેતર યુગ (jainetar yug) - મધ્યકાલીન યુગ(Madhya kalin anugandhi yug)- અવાચિન યુગ (arawachin yug)
- ગુજરાતી ભાષાના સાહિત્ય સ્વરૂપો (મધ્યકાલીન યુગથી અવાચિન યુગ સુધી)
- (Gujarati bhashana sahitya swarupo, madhyakalin to arvachin yug)
- ઉલાયુદ્ધ (uvalai prabhatiyan) - ઉલા (pad) - (chhappa) - ઉદાલ (padyavarta) - ઉલા (pad) (akhyan) - (garba)
- ગરબી (garbi) - કાફી(kafi) - નવલકથા(naval katha) નાટક (drama) - અલાસી (navlika) (atmakatha) નિબંધ (nibandha)
- કાવ્યના વિવિધ સ્વરૂપો (kavyana vividh swarupo)
- ગુજરાતી ભાષાના સર્જકો, કવિઓ,,તેમના ઉપનામાંથે કૃતિઓ(gujarati bhasha na sarjako, kavio, temna upnam and krutiyo)

ಕನ್ನಡ
KANNADA

ಗದ್ಯ ಸಾಹಿತ್ಯ

PROSE

1. ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಾಚೀನತೆ, ಬೆಳವಣಿಗೆ ಮತ್ತು ಗದ್ಯ ಸಾಹಿತ್ಯದ ಪ್ರಕಾರಗಳು.
1. History of Kannada literature and its development.
2. ಕಾದಂಬರಿಗಳು, ಕಾದಂಬರಿಕಾರರನ್ನು ಆಧರಿಸಿದ ಪ್ರಶ್ನೆಗಳು.
2. Kannada novels and novelists
3. ಹೊಸಗನ್ನಡ ಕಥೆಗಳು, ಕಥೆಗಾರರನ್ನು ಆಧರಿಸಿದ ಪ್ರಶ್ನೆಗಳು.
3. Modern Kannada stories and story writers.
4. ಕನ್ನಡ ನಾಟಕಗಳನ್ನು ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
4. Kannada dramas.
5. ಪ್ರಬಂಧ ಸಾಹಿತ್ಯ ಮತ್ತು ಹರಣೆ ಸಾಹಿತ್ಯವನ್ನು ಕುರಿತ ಪ್ರಶ್ನೆಗಳು.
5. Prabhandha saahitya.
6. ಪ್ರವಾಸ ಕಥನ ಕುರಿತ ಪ್ರಶ್ನೆಗಳು.
6. Travelogue.
7. ಆತ್ಮಕಥ, ಆತ್ಮಚರಿತ್ರ ಮತ್ತು ಜೀವನ ಚರಿತ್ರೆಯ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
7. Autobiography and biography.
8. ಪತ್ರಿಕಾ ಸಾಹಿತ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
8. Patrika saahitya.

ಕಾವ್ಯಭಾಗ

POETRY

1. ಕನ್ನಡ ಕಾವ್ಯದ ಬೆಳವಣಿಗೆ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
1. Origin and development of Kannada classical literature.
2. ಹಳ್ಳಿಗನ್ನಡ ಕವಿ-ಕಾವ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
2. Old Classical literature.
3. ನಡುಗನ್ನಡ ಕವಿ-ಕಾವ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
3. Medieval period Kannada literature.

4. ಹೋಸಗನ್ನಡ ಕಲಿ-ಕಾವ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
4. Adhunika Kannada literature.

5. ನವೋದಯ-ನವ್ಯ ಮತ್ತು ಬಂಡಾಯ ಸಾಹಿತ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
5. Navodaya and navya Literature.

6. ವಚನ ಸಾಹಿತ್ಯ ಮತ್ತು ದಾಸ ಸಾಹಿತ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
6. Vachana saahitya and daasa saahitya.

7. ಜಾನಾನಪೀಠ ಪ್ರಶಸ್ತಿ ಪಡೆದ ಕಲಿ-ಕೃತಿ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
7. Kannada Jnanapeetha Awardees.

8. ಜಾನಪದ ಸಾಹಿತ್ಯದ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
8. Folk literature of Kannada.

ಕನ್ನಡ ಭಾಷೆಯ ವಿಕಾಸ ಮತ್ತು ವ್ಯಾವಹಾರಿಕ ವ್ಯಾಕರಣ.

DEVELOPMENT OF KANNADA LANGUAGE AND FUNCTIONAL GRAMMAR

1. ಕನ್ನಡ ಭಾಷೆಯ ಪ್ರಾಚೀನತೆ (ಹಲ್ಮಿಡಿ ಶಾಸನವೇ ವೋದಲಾದ ಶಾಸನಗಳು)
1. Kannada Inscriptions (Like Halmidi inscription etc.)

2. ಕನ್ನಡ ವರ್ಣಮಾಲೆಯ ಕುರಿತು ಪ್ರಶ್ನೆಗಳು.
2. Kannada varnamala.

3. ನಾಮಪದಗಳು- (ಸಮಾನಾರ್ಥಕ ಪದಗಳು, ವಿರುದ್ಧ ಪದಗಳು, ಅನೇಕಾರ್ಥ ಶಬ್ದಗಳು ಮತ್ತು ಜೋಡುನುಡಿಗಳು ಇತ್ಯಾದಿ)
3. Noun - (Synonyms, Antonyms, anekaartha and jodunudi etc.)

4. ವಾಕ್ಯ ರಚನೆ-ಕಾಲಪಲ್ಲಟೆ.
4. Kaalapallata.

5. ಸಂಧಿಗಳು.
5. Sandhi.

6. ಸಮಾಸಗಳು.
6. Samaasa.

7. ಅಲಂಕಾರಗಳು-ಭಂದಸ್ಸು.
7. Rhetorics-Prosody.

മലയാളം
MALAYALAM

1. ശ്രദ്ധാനം പാടവം പരിശോധിക്കുന്നതിനായി ഗുരുത്തി തു നിന്നോ പദ്ധതി തു നി നോ ആശയ സന്പന്നമായ ഭാഗങ്ങൾ തിരഞ്ഞെടുത്ത് വിവിധോത്തര ചോദ്യ അംഗൾ തയ്യാറാക്കുക.
(Ability to comprehend, analyse and interpret unseen passages from prose or poem with a variety of multiple-choice questions to test vocabulary and global comprehension.)
2. മലയാള ഭാഷയുടെ ഉൽപ്പത്തിയും വികാസവുമായി ബന്ധപ്പെട്ട വിഷയങ്ങൾ
(Topics related with origin and development of Malayalam language and literature.)

ഗുരു സാഹിത്യവിഭാഗം LITERATURE SECTION- PROSE

3. സാഹിത്യ പ്രസ്ഥാനങ്ങളുമായി ബന്ധപ്പെട്ടവ (ചെറുകമാപ്രസ്ഥാനം, നോവൽ പ്രസ്ഥാനം, നിരൂപണ സാഹിത്യം, ജീവ ചരിത്രം, ആത്മകമാർത്ഥകമാർത്ഥ, തിരക്കമെ, നാടകം തുടങ്ങിയവ)
(Literary movements like Cherukatha prasthaanam, Noval prasthaanam Niroopana sahithyam, Biography, AutoBiography, Script, Drama, etc)
4. വിവിധ കാലയുഗങ്ങളിലെ - (പ്രാചീന കാലം, മധ്യകാലം, ആധുനിക കാലം) സാഹിത്യ പ്രവണതകളും സാഹിത്യകാരരാജും (O.Chanthu Menon, S.V.Raman Pillai, Vengayil Kunjiraaman Nair, Karoor Neelaghanda Pillai, P.Kesavadev, S.K.Pottakkade, Thakazhi, Basheer, M.T.Vasudevan Nair, Sedhu, Shihabudheen Poythumkadave, Sukumar Azhikode, Kuttikrishna Marar, Santhosh Echikkaanam, Bennyamin, Subash Chandran and contemporary writers etc.)
(Writers of all ages like ancient, medieval, and modern like O.Chanthu Menon, C.V Raman Pillai, Vengayil Kunjiraaman Nair, Karoor Neelaghanda Pillai, P.Kesavadev, S.K.Pottakkade, Thakazhi, Basheer, M.T.Vasudevan Nair, Sedhu, Shihabudheen Poythumkadave, Sukumar Azhikode, Kuttikrishna Marar, Santhosh Echikkaanam, Bennyamin, Subash Chandran and contemporary writers etc.)

ഗുരു സാഹിത്യവിഭാഗം (POETRY SECTION)

5. മലയാള പദ്യ സാഹിത്യ പ്രസ്ഥാനവുമായി ബന്ധപ്പെട്ടവ -
മഹാകാവ്യ പ്രസ്ഥാനം, സന്ദേശ കാവ്യങ്ങളും, വണ്ണകാവ്യ പ്രസ്ഥാനം, തുളളത്തിലെ പ്രസ്ഥാനം, കിളിപ്പാട്ടു പ്രസ്ഥാനം, ഗാമ, അഞ്ചാനപ്പാന, തുടങ്ങിയവ.
(Topics related with literary movements in Malayalam Poetry like Maha kaavya prasthaanam, Sandesa Kavyangal, khanda kaavyangal, Thullal prasthaanam, Kilippaattu prasthaanam, gaadha, Jnaanappaana etc)

6. വിവിധ കാലാല്പദങ്ങളിലെ പ്രാചീന കാലം, മധ്യകാലം, ആധുനിക കാലം) സാഹിത്യ പ്രവണതകളും കവികളും - എഴുത്തച്ചൻ, കുമ്മാർ, നമ്പാർ, ചെറുശേരി, കുമാരനാശൻ, ഉള്ളുർ, വള്ളത്തോൾ, ജി.ശങ്കരകുറുപ്പ്, വൈലോപ്പിള്ളി, ഇടശേരി, ബാലാമണിയമ, അകിത്തം, ഓ.എൻ.വി.കുറുപ്പ്, ബാലചന്ദ്രൻ ചുള്ളിക്കാട് അയ്യപ്പണിക്കർ, സുഗതകുമാരി തുടങ്ങിയവരും പുതിയ തലമുറയിലെ മറ്റു കവികളും

(Poets of all ages like ancient, medieval, and modern periods of Malayalam literature- Ezhuthachan, Kunchan Nampyar, Cherusseerry, Kumaranasan, Uiioor, Vallathol, G.Sankara Kurup, Idasserry, Balamaniyamma, Akkitham, O.N.V.Kurup, Balachandran chullikkade, Ayyappa Panikkar, Sugathakumari and contemporary Poets etc.)

വ്യാകരണ വിഭാഗം (GRAMMAR AND USAGE)

7. പര്യായ പദങ്ങൾ, നാനാർമ്മങ്ങൾ വിപരീത പദങ്ങൾ, കാലങ്ങൾ തുടങ്ങിയവ.

(Vocabulary Bulding-Synonyms, Antonyms, Opposites, Tenses etc.)

8. കർത്തരിപ്രയോഗം-കർമ്മണിപ്രയോഗം, സങ്കീർണ്ണ വാക്യങ്ങൾ, അംഗ വാക്യവും അംഗിവാക്യവും, വാക്യത്തിലെ തെറുതിരുത്തൽ, നിശ്ചയ വാക്യങ്ങൾ, തുടങ്ങിയവ.

(Active and passive voice, Simple and compound sentence, Correction of sentences, Negative sentences etc.)

9. സന്ധി, സമാസം, ശ്വേതികൾ, പശ്ചത്വാല്പുകൾ, സാക്ഷാൽ സംഭാഷണം- അപ്പാവ്യാന സംഭാഷണം, തുടങ്ങിയവ.

(Sandhi, Samasam, Idioms, Proverbs, prepositions, Direct and indirect speech etc.)

MIZO

A. GRAMMAR: -

Heng Mizo tawnga grammar kan neihte atang hian:-

(Introduction to Mizo grammar)

- (1) Thumal then hrang hrangte (Parts of Speech)
- (2) Thu hmabet leh thu hnungbet (prefix and Suffix)
- (3) Thu Ziak Dan Dik (Punctuation)
- (4) Mizo tawng hman dan dik leh dik lo (correct sentence construction)
- (5) Anuleha pa thliar hranna (Gender)
- (6) Pakhat leh pakhat aia tam (Numbers)
- (7) Thumal tihdanglam ngai te, Mood danglam theih dan (Modification of words, transformation of sentences on mood)
- (8) Thu anpui (Synonym)
- (9) Thu ep (Antonym)
- (10) Hnam dang tawng kan tawng ang maia kan hman tak (Vocabulary enrichment from other languages into Mizo)
- (11) Tawng Upa (Idioms and Phrases)

B. LITERATURE

- (1) HLA (Poetry):- Mizo hla chung chang leh heng Mizo hla phuahtute hla atang hian (Brief history of Mizo poetry and poems of):

Patea (Ka Damlai Thlipui), Liandala (Aia Upate Zahthiamin), Lalruali (Ka chenna Ram Thlaler a ni), Rokunga (Raltiang I Kai Ve Ang), Zosapthara (Thlalera Vak Ka Lo Nih Hi), CZ.Huala (Nitin Ka Hnenah Awm Reng Ang Che), Vankhama (Rimawi Ram)

- (2) PROSE {Thu}:- Mizo tawnga thu ziak, heng thu ziakte atang hian (Brief history of Mizo prose and writings of):

Kaphleia (Thlirtu), Zikpuii pa (Thil nawi kan hmahthelh), J.Malsawma(Harsatna), Lalzuia Colney (Khuailui ral leh turnipui), Sangzuala pa (Mizo tlawnmgaihna), Darchhawna (Huaisen) Laltluangiana Khiangte (Lehkhabu hlutna)

- (3) LEMCHAN (Drama):- Mizo Drama chung chang leh heng mite drama ziah atang hian (History of Mizo Drama, and Drama of):

Lalchungnunga (Darlalpuii), Liansailova (Lawma kim)

- (4) THAWNTHU (Story):- Mizo thawnthu chung chang leh heng mite thawnthu ziah atang hian (History of mizo story and stories of):

Lalhmingiana Saiawi (Nukawki), James Dokhuma (Silaimu ngaihawm)

- (5) Mizo literature chung chang (History of Mizo literature)

ଓଡ଼ିଆ
ODIA`

କ. ଓଡ଼ିଆ ଗାନ୍ଧ୍ୟ ସାହିତ୍ୟ

A. Odia prose Literature

1. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ (History of Odia literature.)
2. ଓଡ଼ିଆ ଉପନ୍ୟାସ, ଗନ୍ଧ୍ୟ, ନାଟକ/ଏକାଙ୍କିକା, ପ୍ରବନ୍ଧ, ଭ୍ରମଣ କାହାଣୀ, ଜୀବନୀ ଓ ଆମୃଜୀବନୀ (Odia novel, Short story, play/one act play, Essay (prabandha), Travelogue, Biography/Auto Biography.)

ଖ. ଓଡ଼ିଆ କବିତା ସାହିତ୍ୟ

B. Odia Poetry Literature

1. ଓଡ଼ିଆ କବିତାର ବିକାଶ (Development of Odia poetry.)
2. ପ୍ରା ଚୀ ନ କା ବ୍ୟ (Old Poetry.)
3. ଓଡ଼ିଆ ସାହିତ୍ୟର ମଧ୍ୟ ଯୁଗ (ରାତି, ଭକ୍ତି) (Middle Era of Odia poetry (Riti, Bhakti))
4. ଆଧୁନିକ ଯୁଗ କାବ୍ୟ (ସବୁଜ, ପ୍ରଗତି ବାଦୀ) (Modern Era Poetry (Sabuja, Pragatibadi))
5. ଓଡ଼ିଆ ସାହିତ୍ୟର ଉତ୍ତର ଆଧୁନିକ ଯୁଗ କାବ୍ୟ (Post Modern Era poetry)

ଘ. ଓଡ଼ିଆ ଭାଷାର କ୍ରମ ବିକାଶ

C. Chronological Development of Odia Language

1. ଓଡ଼ିଆ ଭାଷାର କ୍ରମ ବିକାଶ (Chronological development of Odia language)
2. ଓଡ଼ିଆ ଉପଭାଷା (Odia dialect.)

ଘ. ବ୍ୟାବହିରିକ ଓଡ଼ିଆ ବ୍ୟାକରଣ

D. Functional Odia Grammar

1. ଓଡ଼ିଆ ଧନୀ, ବର୍ଣ୍ଣ, ଲିପି, ଶବ୍ଦ, ପଦ, ବାକ୍ୟ, ପଦ ପ୍ରକରଣ । (Dhwani, Barna, Lipi, Sabda, Pada, Bakaya and Pada Prakarana.)
2. ବାକ୍ୟର ପରିବର୍ତ୍ତନ (Transformation of sentences.)
3. କାହାଣୀର ବ୍ୟବହାର (Usage of narration)
4. ଛୁଟି ସଂଶୋଧନ (Error correction)
5. ଆଣ୍ଟୋନାଇମ୍ (Antonym)
6. ସମାର୍ଥକ (Synonym)
7. ହୋମୋଫୋନ୍ (Homophone)
8. ସାନ୍ଧୀ (Sandhi)
9. ତ୍ୟାପି (Samasa)
10. ପ୍ରତ୍ୟେକୀୟ (Usage of suffix)

11. ଉପସର୍ଗ (Usage of prefix)
12. କୃଦକ୍ତ (Krudanta)
13. ତଢିତ (Taddhita)
14. ରୂପି ପ୍ରୟୋଗ (Usage of Idioms)
15. ଲୋକବାଣୀ ପ୍ରୟୋଗ (Usage of proverbs)
16. ଏକ ପଦରେ ପ୍ରକାଶ କର (One word substitution)
17. ଛନ୍ଦ (Chhanda)
18. ଅଳଙ୍କାର (Alankara)

इकाई-1: जातिविज्ञान: Ethnology

जातिविज्ञान की परिभाषा और स्वरूप, मुख्य शाखाएँ, उपयोगिता और वैशिष्ट्य, सामाजिक व्यवस्था, आर्थिक व्यवस्था, धार्मिक व्यवस्था, आदिवासियों का सामान्य परिचय : संताल, मुण्डा, हो, खारिया, उराँव, बिरहोड़ महली, पहाड़िया, असुर, कोल, भूमिज।

इकाई-2: भाषाविज्ञान एवं व्याकरण : Linguistic and Grammar

भाषाविज्ञान की परिभाषा एवं प्रकार, भाषा उत्पत्ति के सिद्धान्त, भाषा की विशेषताएँ एवं प्रकृति, भाषा के विभिन्न रूप, भाषाओं का पारिवारिक वर्गीकरण, भाषाओं का आकृतिमूलक वर्गीकरण, ध्वनि विज्ञान, पद विज्ञान, वाक्य विज्ञान, अर्थ विज्ञान, लिपि विज्ञान। संताली व्याकरण : संज्ञा, सर्वनाम, लिंग, वचन, पुरुष, क्रिया, कारक, काल, विशेषण, सजीव-निर्जीव, प्रत्यय, विपरीतार्थक शब्द, अनेक शब्दों के बदले एक शब्द।

इकाई-3: भारतीय साहित्य : Indian Literature

1. संस्कृत भाषा - साहित्य का सामान्य परिचय- वेद, पुराण, उपनिषद, रामायण, महाभारत, गीता।
2. हिन्दी भाषा - साहित्य का सामान्य परिचय : प्रसाद, महादेवी वर्मा, प्रेमचन्द, निराला, दिनकर।
3. बंगला भाषा-साहित्य का सामान्य परिचय : रबीन्द्र नाथ ठाकुर, बंकिम चन्द्र चट्टपाध्याय, ताराशंकर बंदोपाध्याय, काजी नजरूल इस्लाम।

इकाई-4: साहित्य सिद्धान्त: Theory of Literature

साहित्य की परिभाषा, उसके हेतु, तत्त्व, रूप, प्रक्रिया और प्रयोजन। साहित्य की विविध विधा - प्रबंध काव्य, काव्य, उपन्यास, कहानी, नाटक, एकांकी, निबंध, जीवनी, संस्मरण। शब्द-शक्ति, रस, छंद, अलंकार।

इकाई- 5: लोक साहित्य : Folk Literature

लोक साहित्य की परिभाषा, स्वरूप, महत्व और प्रयोजन, संताली लोक साहित्य के विविध रूप और प्रकार - संताली लोक गीत, संताली लोक कथा, लोक गाथा, संताली लोकोक्तियाँ, संताली मुहावरें, संताली कहावत, संताली पहेलियाँ, 'कुदुम', संताली लोक संस्कृति, संताली पर्व-त्यौहार, संताली वाद्य यंत्र, संताली नृत्य।

इकाई-6: संताली काव्य साहित्य : Santali Poetry Literature

1. संताली प्राचीन काव्य साहित्य: लोक गीत, लाँगडे, दोड़, बाहा, सोहराय, काराम, रिंजा।
2. संताली मध्यकालीन काव्य साहित्य: ओनोड़हें बाहा डालवाक, आषाढ़ विन्ती, तिरयो तेताड़, भुरका इपिल, चाँद माला, गोसो बाहा, कोयोक होर।
3. संताली आधुनिक काव्य साहित्य: ओनोहें मोहोक, तोवा दारे, ताराल बासाल, शिशिर शिरिजोल, जिवी जाला, बाहा माला, ओन्तो बाहा माला।

इकाई-7: संताली गद्य साहित्य : Santali Prose Literature

1. नाटक : दाडेगे धोन, जुरीखातिर, संसार फेंद थारी दाका रे मेत् दा:, बादोली कोंडा।
2. उपन्यास : हाड़मावाक आतो, आतो ओडाक, बारुवेड़ा, ओजोय गाडा ढिपरे, नामालिया, मानुमाती।
3. कहानी : मायाजाल, आरसी, ग्रामिन, क़ाहनी माला, साँवता, घरोंच, आंचार, दुलाड़ चिन्ह।
4. निबंध : संतालकोवा : आरीचाली आर आरसी, खेरवाल आरीबांदी, गानाड़ माला, होड़ कोरेन मारे हापड़ाम को रेया: काथा।

इकाई -8: संताली पत्र पत्रिका : Santali Magazine

संताली पत्रिकाओं का उद्देश्य और विकास : होड़-सोम्बाद, पछिम बंगला, जुग सिरिजोल, सिली, तेतरे, सागेन सांकाम, फागुन, मारसाल, पाँजा, तोड़े सुनाम आदि।

इकाई-9: आदिवासी महापुरुष एवं साहित्यकार -

स्वतंत्रता सेनानी - बाबा तिलका माँझी, सिदो, कान्दू, चाँद, भायरो, भागीरथी माँझी, भादो हेम्बरम, डिबा किसुन, विरसा मुण्डा, वीर बधुभगत, तेलंगा खांडिया, श्याम पारगाना ।

साहित्यकार - माझी रामदास टुड 'रेसका', धीरेन्द्र नाथ बास्के, साधु रामचाँद मुरमू पं. रघुनाथ मुरमू मंगल चन्द्र सोरेन, डमन हाँसदा, सोलेमान मुरमू नाथानियल मुरमू प्रो. कृष्ण चन्द्र टुडू, प्रो. दिगम्बर हाँसदा, ठाकुर प्रसाद मुरमू आदित्य मित्र 'संताली', रेव. पी. ओ. बोडिंग, रेव. एल. ओ स्क्रफस्नुड, रेव. जरमिया फिलिप्स, हरिहर हाँसदा, ब्राबू लाल मुरमू 'आदिवासी', भागवत मुरमू 'ठाकुर' डोमन साहु 'समीर' सुहृद कुमार भौमिक ।

इकाई-10: संतालों का इतिहास : History of the Santal

संतालों का उद्भव एवं विकास, गोत्र विभाजन, मानव सृजन कथा, सृष्टीकथा, गाड़ विभाजन, जन्म संस्कार, विवाह संस्कार, मृत्यु संस्कार, पर्व एवं त्यौहार, संतालों का लोक जीवन, पेशा, शिकार, परम्पारगत शासन व्यवस्था, सामाजिक व्यवस्था, आर्थिक व्यवस्था, धार्मिक व्यवस्था ।

అ) ప్రాచీన సాహిత్యము:

(A) Classical literature

- తెలుగు సాహిత్య ప్రారంభము-వికాసము
- Introduction and Development of Telugu literature
- ప్రాణ్ణో, నన్నయ యుగము
- Pre-Nannaya period
- శివకవులు-పాలకుర్కిసోమన-నన్నెచోడుడు
- Shivapoets-Palk uriki Somana, nannechoda
- కవిత్రయము-ఆంధ్ర మహాభారతము
- Kavitrayam- AndhraMahabharata Rachana
- శ్రీనాథుడు-పోతన
- Sri nathudu,pothana
- ప్రబంధయుగము-అల్లసాని, నంది తిమ్మన, ధూర్జటి, రామరాజ భూషణుడు, తెనాలి రామకృష్ణ, శ్రీకృష్ణదేవరాయలు
- Prabandha literature- Allasani, nanadi thimmana, dhurjati, ramarajabhusanudu, Thenali Ramakrishna, Shri Krishna devaraya
- ఒప్పద కావ్యములు-గోనబుద్ధారెడ్డి
- Dvipada Lierature-Gonabuddareddy
- పదకవిత్వము-ఆన్నమయ్య-త్యాగరాజు-క్షేత్రయ్య-రామదాసు
- Padakavita-Annamayya, Thyagaraja, Kshetrayya, Ramdas
- శతకసాహిత్యము-వికాసము-వర్ధికరణ-లక్షణములు -నీతి, భక్తి శతకములు
- Shataka Literature-Development-Classification- Characteristics
- కవిసమయాలు-
- Kavi Samayalu
- అవధానవిద్య
- Avadhana Vidya

ఆ) జానపద సాహిత్యము: ప్రారంభము - వికాసము- వర్ధికరణ--జానపదగేయములు- జానపదకళలు- జానపదుల సంస్కృతి - సంప్రదాయములు

(B) Folk Literature—Introduction-Development-Classification Folk arts, Folk culture and heritage

ఇ) ఆధునిక సాహిత్యము

(C) Modern Literature

- ఆధునిక కవిత్వ లక్షణములు - ప్రక్రియలు-ఖండకావ్యము -ముత్యాలసరము-గేయము- వచనకవిత్వము-గజల్-పాట- హైకు-నానీలు
- Characteristics of modern poetry - Muthyalasaram, song, free verse, Gajal, Haiku, nani etc.
- వాదాలు - కాల్పనిక వాదము - అస్తిత్వ వాదము- ప్రతీకవాదము - భావచిత్రవాదము - హేతువాదము - చైతన్య ప్రవంతి అనుభూతివాదము-మానవతావాదము -
- Ism-Romanticism, Symbolism, Imagism, Rationalism, Stream of consciousness, Humanism
- ఆధునిక కవిత్వములో ఉద్యమాలు - జాతీయోద్యమ కవిత్వము - భావకవిత్వము- అభ్యుదయ కవిత్వము-దిగంబర కవిత్వము-విష్ణవ కవిత్వము
- Movements in Modern poetry- Nationalist movement, Progressive and revolutionary movements
- కవులు- గురజాడ, కందుకూరి, గిడుగు, రాయప్రోలు, విశ్వనాథ, దేవులపల్లి, దాశరథి, శీర్షి, ఆరుద్ర, తిలక్, శేంట్రి, కుందుర్తి, తిరుపతివేంకట కవులు, సి.నారాయణరెడ్డి, కాళోజీ, వట్టింగ్ ఆల్ఫ్రెడ్ స్టోమీ
- Poets: Gurajada, Kandukuri, Gidugu, Rayaprolu, Vishvanatha, Devulapally, dasharadhi, ShriShri, Arudra, Tilak, Sheshendra, kundurti, thirupathi venkata kavulu, Narayana reddy, Kaloji, Vattikota Alwar Swami
- తెలుగుకథ - వికాసము-వర్ధికరణ
- Telugu Story-Development-classification
- తెలుగు నవల - -వికాసము-వర్ధికరణ-లక్షణములు
- Telugu Novel-Development-classification-Characteristics
- తెలుగు నాటకము---వికాసము-వర్ధికరణ-లక్షణములు
- Telugu Drama--Development-classification-Characteristics
- వ్యాసము-లక్షణములు
- Essay Characteristics
- స్వీయ చరిత్ర/జీవిత చరిత్ర
- Autography/biography
- యాత్రారచనలు

- Travelogue

- ఈ తెలంగాణ సాహిత్యము-తెలంగాణ కవులు, చరిత్ర, సంప్రదాయములు- పరిశీలన
- Telangana Literature/Telangana poets, History, Culture and Heritage

ఉ) భాషా చరిత్ర

(D) Linguistics

- ద్రావిడ్ భాషలు-మాండలికములు
- Dravidian languages and dialects
- వాక్యము-పదము-రూపాంతరములు - ధ్వని పరిణామము
- Sentence-word-phonetics

ఊ) వ్యాకరణము

(E) Grammar

- బాలవ్యాకరణములో ప్రవేశము-అవగాహన
- Good understanding in Bala vyakaranam
- వర్ణమాల, ద్విత్వ, సంయుక్త, సంశీ షాక్షరములు
- Varnamala, dvitwa, samyukta, samshlishtaakshara
- లింగములు-వచనములు-అవ్యయములు-విభక్తి ప్రత్యయములు-బాషాభాగములు-క్రియలు—వాక్యములు
- Gender, singular, plural, Parts of speech, verbs, Sentences
- భాషాంశములు-పర్యాయ పదములు, నానార్థములు, ప్రకృతి వికృతులు
- vocabulary-synonyms, antonyms etc.
- జాతీయములు, సామేతలు
- Proverbs, idioms
- సంధులు-తెలుగు సంధులు - ఆకార, ఇకార, ఉకార, యడాగము, సరళాదేశ, త్రిక - ఇత్యాదులు సవర్ణదీర్ఘ, గుణ, యణ, వర్ధి సంధులు
- Sandhi-Telugu and Sanskrit sandhi
- ఆకారం, ఇకార, ఉకార, యడగమ, త్రిక, సరళదేశ
- Akara, ikara, ukara, yadagama, thrika, saraladesha
- సవర్ణ, గుణ, యాన, వర్ధి శాంతి
- Savarna, guna, yana, vridddhi Sandhi

- సమాసములు-తత్త్వరుష-కర్మధారయ-ద్వంద్వ-ద్విగు-బహీవ్రీహి
- Samasamulu-Thatpurusha, karmadharya, dvandva, dvigu, bahuvreehi
- చందస్సు - వృత్తములు-జాతులు-ఉపజాతులు
- Prosody -vritta-jati-upajati
- ఆలంకారములు - ఉపమ, ఉత్సేష, రూపక, అతిశయోక్తి, అర్థాంతరన్యాస, శ్లేష
- Rhetoric-upama, utpreksha, athishayokti, shlesha etc.

బు) అధికార భాషగా తెలుగు, ప్రాచీన భాషగా తెలుగు, మాధ్యమిక భాషగా తెలుగు వ్యవహారిక భాష, ప్రామాణిక భాష

(F) Telugu as official language, classical language, Medium of instruction, functional language, standard language.

బు) భోధనాపద్ధతులు

(G) Pedagogical methods

- పద్య బోధనా మెళకువలు
- Techniques in poetry teaching
- గద్య బోధనా మెళకువలు
- Techniques in prose teaching
- వ్యాకరణ బోధనా మెళకువలు
- Techniques in grammar
- భాషానైపుణ్యములు -అభివృద్ధి
- Development of language skills
- సహాయ ప్రణాళికలో మాతృ భాషా బోధకుడి పాత్ర
- Role of Telugu teacher in co-Curricular activities

اردو

Urdu

Section A (Prose)

اردو زبان ادب کا آغاز و ارتقا

1. Urdu Zaban-o-adab ka aghaz wa irteqa.

۲۔ اردو میں داستان نگاری کا آغاز و ارتقا

2. Urdu me Dastan Nigari ka aghaz wa irteqa.

اردو میں ناول نگاری کا آغاز و ارتقا اور مختلف ناول نگار اور ناولوں کا تنقیدی مطالہ (ڈپٹی نزیر احمد، مرزا بادی رسو افر وہ العین حیدر پریم چند جیلانی بانو، عصمت چغتائی)

3. Urdu me Navil Nigari ka aghaz wa irteqa aur mukhtalif navil nigar aur navilo ka tanqeedi mutala' (Deputy Nazeer Ahmad, Mirza Hadi Ruswa, Q. Haider, Prem Chand, Jilani Bano, Asmat Chugtaie)

۴۔ اردو میں افسانہ نگاری کا آغاز و ارتقا اور مختلف افسانہ اور افسانہ نگاروں کا تنقیدی مطالہ پریم چند، راجندر سنگھ بیدی کرشن چند عصمت، چغتائی منشو، احمد ندیم قاسمی

4. Urdu me Afsana Nigari ka aghaz wa irteqa aur mukhtalif afsana nigar aur afsano ka tanqeedi muta'la (Prem Chand, Bedi, Krishna Chand, Asmat Chugataie, Manto, Ahmad Nadeem Qasmi).

اردو میں انشاء اللہ نگاری کے رویے۔

(محمد حسین آزاد، راشد احمد)

(صدیقی، پطرس بخاری، کنہیا لال کپور، خواجہ حسن نظامی، بلراج منیر، دیوبندی ستیارتھی)

5. Urdu me Inshaiya Nigari ke riwayat. (Mohammad Husain Azad, Rashid Ahmad Siddiqui, Pitrus Bukhari, Kanhaiya Lal Kapoor, khwaja Hasan Nizami, Balraj Muneer, Devendra Satyarthi)

۶۔ اردو میں ڈرامہ نگاری کی روایت مختلف ڈرامہ نگاروں کا تحقیقی و تنقیدی مطالہ اغا حشر کاشمیری، محمد محبب امتیاز علی تاج امانت (لکھنؤی)

6. Urdu me Drama Nigari ki riwayat, Mukhtalif dramey aur drama nigaro ka tahqiqi muta'la.
(Agha hashar kashmiri, Mohammad Mujeeb, Imtiyaz Ali Taj, Amanat Luckhnawi).

- اردو میں خاکہ نگاری کی روایت

(مولوی عبدالحق)

7. Urdu me Khaka Nigari ki riwayat. (Molvi Abdul Haq).

۸۔ اردو میں رپور تاٹ نگاری کی اہمیت

8. Urdu me Reportaaz Nigari ki ahmiyat.

- اردو میں مضمون نگاری کی اہمیت

9. Urdu me Mazmoon Nigari ki ahmiyat.

- اردو میں سفرنامہ نگاری کا آغاز و ارتقا ۱۰

10. Urdu me Safar nama Nigari ka aghaz wa irtiqa.

۱۱- اردو میں سوانح نگاری کی روایت

11. Urdu me Sawana Nigari ki riwayat.

۱۲- اردو میں آپ بیتی کی روایت

12. Urdu me Aap biti ki riwayat

حصہ ب نظم.

Section B - (Poetry)

۱- اردو میں قصیدہ نگاری کا آغاز و ارتقا (سودا ذوق)

1. Urdu me Qasida Nigari ka aghaz wa irtiqa
(Sauda, Zauq)

۲- اردو میں مثنوی نگاری کا آغاز و ارتقا اور مختلف مثنوی کا تنقیدی جایزہ (مثنوی سحر البيان گلزار نسیم زبر عشق

2. Urdu me Masnavi Nigari ka aghaz wa irtiqa. (Masnavi Sahrul bayan, Gulzar-e-Naseem, Zahar-e-Ishq).

۔ اردو میں مرثیہ نگاری کا آغاز و ارتقا اور مختلف مرثیہ اور مرثیہ نگاروں کا تنقیدی مطالعہ حالی میر انیس مرزا دبیر

3. Urdu me Mersiya Nigari ka aghaz wa irtiqa aur mukhtalif marsiya wa marisya nigaro ka tanqeedi muta'la. (Hali, Meer Anees, Mirza Dabeer)

۔ ۴- اردو میں غزل کا آغاز و ارتقا اور مختلف غزل گو شعرا کا تنقیدی جائزہ

میر، غالب، فانی بادیونی، مومن فراق، ذوق، سودا اقبال، فیض (درد) ()

4. Urdu me Ghazal ka aghaz wa irtiqa aur mukhtalif ghazal go
sho'ra ka tanqeedi jayza.

(Meer, Ghalib, Faani Badayuni, Momin, Firaq, Zauq, Sauda, Iqbal, Faiz, Dard,)

۵- اردو میں نظم نگاری کی روایت، نظم کی مختلف اصناف اور مختلف نظم نگاروں کا تنقیدی مطالعہ

اقبال اور حالی)

5. Urdu me Nazm Nigari ki riwayat, Nazm ki mukhtalif asnaaf, aur mukhtalif nazm nigar.
(Iqbal, Hali).

حصہ ج متفرقات

Section C - (Special Study)

اردو کی مختلف تحریکیں۔ ۱

1. Urdu ki Mukhtalif Tehreekein.

اردو کے مختلف دبستان کا تنقیدی جائزہ ۲

2. Urdu ke Mukhtalif Dabistaan ka tanqeedi jayza.

- اردو کے مختلف رجحانات کا تنقیدی مطالعہ۔

3. Urdu ke Mukhtalif Rujhanat ka tanqeedi jayza,

٤۔ اردو میں دکنی ادب کا آغاز و ارتقاء

4. Urdu me Dakni adab ka aghaz wa irtiqa.

Assamese

১। অসমীয়া ভাষাৰ জন্ম আৰু ক্রমবিকাশ সম্পর্কে ধাৰণা-

(A concept regarding the formation and chronological development of the Assamese language)

২। অসমীয়া ভাষাৰ উপভাষাবোৰৰ পৰিচয়

(An introduction to the dialects of the Assamese language)

৩। লোক সাহিত্য আৰু সংস্কৃতি-(Folk literature and culture)

৪। অসমীয়া লিপি: উত্তৰ ক্রমবিকাশ (Assamese script: Formation and evolution)

৫। প্রাক শংকৰী যুগৰ সাহিত্য (Assamese literature in pre Sankardeva era)

৬। শংকৰী যুগৰ সাহিত্য (Assamese literature during Sankardeva)

৭। উত্তৰ শংকৰী যুগৰ সাহিত্য (Assamese literature in post Sankardeva)

৮। অৰুণোদয় (মিচনেৰী) যুগৰ সাহিত্য [Assamese literature in Arunodoi(Missionary) era]

৯। জোনাকী যুগৰ সাহিত্য(Assamese literature in Jonaki era, Age of Romanticism in Assamese literature)

১০। অসমীয়া সাহিত্যৰ প্রথিতযশা সাহিত্যিক যেনে- শ্রীমন্তশংকৰদেৱ, শ্রীশ্রীমাধৱদেৱ, আজান ফকিৰ, ভট্টদেৱ, লক্ষ্মীনাথ বেজবৰুৱা, পদ্মনাথ গোহাঞ্জিবৰুৱা, চন্দ্ৰকুমাৰ আগৱৰালা, ব্ৰহ্মনাথ চৌধুৰী, অশ্বিকাগিৰি ৰায়চৌধুৰী, বজনীকান্ত বৰদলৈ, বাণীকান্ত কাকতি, ব্ৰহ্মকান্ত বৰকাকতি, নলিনীবালা দেৱী, জ্যোতিপ্ৰসাদ আগৱৰালা, বিষ্ণুপ্ৰসাদ ৰাভা, হেম বৰুৱা, বীৰেন্দ্ৰকুমাৰ ভট্টাচাৰ্য, নৱকান্ত বৰুৱা, ভবেন্দ্ৰনাথ শইকীয়া, হীৰেণ ভট্টাচাৰ্য, নীলমণি ফুকন, দেৱকান্ত বৰুৱা, চৈয়দ আব্দুল মালিক, নিৰ্মলপ্ৰভা বৰদলৈ, মামনি ৰঘচৰ্ম গোমুকী ৰ ধাৰণা।

(Concept of the renowned Assamese literary artists e.g. Srimanta Sankardeva, Sri Sri Madhabdev, Ajan Fakir, Bhatta Dev, Lakshminath Bezbaruah, Padmanath Gahainboruah, Chandra Kumar Agarwala, Raghunath Choudhary, Ambikagiri Raychoudhary, Rajanikanta Bordoloi, Banikanta Kakati, Ratnakanta Barkakati, Nalinibala Devi, Jyotiprasad Agarwala, Bishnu Prasad Rabha, Hem Baruah, Birendra Kumar Bhattacharya, Nabakanta Baruah, Bhabendranath Saikia, Hiren Bhattacharya, Nilamoni Phookan, Debakanta Baruah, Syed Abdul Malik, Nirmalprabha Bordoloi, Mamoni Raisom Goswami.)

১১। অসমীয়া ব্যাকৰণৰ সম্যক ধাৰণা- (A brief introduction to Assamese Grammar)

(ক) পদৰ ব্যৱহাৰিক জ্ঞান। (Usage of parts of speech)

(খ) নস্ব বিধি আৰু ষষ্ঠ বিধি। (Rule of Murdhanya 'Na' and 'Sha', i.e. Rules of spelling correction)

(গ) সংক্ষি আৰু সমাসৰ প্ৰাৰ্থক্য আৰু ইয়াৰ প্ৰকাৰ। (Difference between Sandhi [Seam] and Samas [Compound] and its classification)

(ঘ) প্ৰত্যয়ৰ ধাৰণা--- (Usage of Suffixes)

(ঙ) যতি চিহ্ন সমূহৰ প্ৰয়োগ সম্পর্কে সুস্পষ্ট ধাৰণা--- (A lucid explanation of punctuation)

(চ) জতুৱা ঠাঁচ আৰু খও বাক্যৰ প্ৰায়োগিক ধাৰণা-- (Usage of Idioms and proverbs)

(ছ) সমাৰ্থক আৰু বিপৰীত শব্দৰ প্ৰায়োগিক জ্ঞান। (Usage of Synonyms and antonyms)

(জ) সুকীয়া বালান অথচ অসমীয়া উচ্চাৰণ পাৰ্থক্য নথকা কিছুমান শব্দৰ প্ৰয়োগৰ পাৰ্থক্য জনা-- (Usage of Homonyms)

(ঝ) প্ৰত্যক্ষ উক্তি আৰু পৰোক্ষ উক্তি--- (Usage of Direct and Indirect Narration)

(ঞ) অসমীয়া ভাষাত লিংগৰ ধাৰণা আৰু ব্যৱহাৰ জনা--- (Usage of Gender)

(ট) ছন্দৰ ধাৰণা--- (Usage of Rhyming words)

১২। মাতৃভাষা শিক্ষণৰ উদ্দেশ্য আৰু লক্ষ্য--- (Aim and Objectives of teaching Mother tongue)

১৩। শ্ৰৱন, কথন, পৰ্যালোচনা, লিখন--এই চাৰিটা মৌলিক কৌশল প্ৰয়োগ কৰোতে শ্ৰেণীকোঠাত অঞ্চল ভেদে সম্মুখীন হ'বলগা সমস্যা সম্পর্কে বাস্তৱ ধাৰণা--- (An introduction regarding the regional difficulties faced in class room situations while imparting the four basic skills of listening, speaking, reading and writing with practical examples)

GARO

- 1. Garo Literatureni Itihas.** (History of Garo Literature)
- 2. A·chikku sea jotani nama namjako aganani bewalrang.** (Elements of Garo Literary Criticism)
- 3. A·chikkuni Ma·ambi.** (History of Garo Language)
- 4. A·chikku poedorangchi segimin senokgiparangni bimingrang.**
(Concept of the Garo literary Artists e.g Jonmoni D. Shira, Howard Dennison W. Momin, Evelyn R. Marak, Phoebe W. Momin, Kosan G. Momin, Rev Gilbirth K. Marak, Donald N. Sangma, Barendra S Bangshall, Harendra W. Marak, Llewellyn. R. Marak)
- 5. Banaichrake segipa golporang.** (Some Concept of Garo Dramatist)
a. Dikki-I L. R. Marak
b. Dikki-II L. R. Marak
c. Nokdang K. M. Momin
d. Skul Master L. D. Shira
- 6. A·chik Grammar.** (A brief introduction of A·chik Grammar)

Bak-i

- a. Sentence aro uni bakrang(sentence and its kinds)
- b. Subject aro Predicate
- c. Phrase aro Clause

Bak- ii

- a. Kattarangni ma·arang(Parts of speech).
- b. Noun aro uni rokomrang(Noun and its kinds).
- c. Verb aro uni ma·arang(verb and its kinds), predicateko chu·sokatgiparang(complete predicate),mood,participle, verbal adjective, tense.
- d. Preposition, Conjunction aro Interjection.
- e. Adjectiveni ma·arang aro tosusaani gadangrang(Adjective and its kinds, Comparison of adjectives).
- f. Adverbni ma·arang aro tosusaani gadangrang,(Adverb and its kinds, Comparison of adverbs)
napsikgipa adverbrang ba bisemsem adverbrang.
- g. Pronounni ma·arang(Pronoun and its kinds), person, number, gender aro case.

Bak -iii

- a. Mood aro Tenseko mesokani tense (conjugation of mood and tense).
- b. Gender aro case- sentence caserangni kamrang(Gender and case, uses of case information of sentences).
- c. Chananirang.(Numbers)

7. A·chik Composition

- a. Aganme·apa (Idioms & Phrases)
- b. Ku·jikse(Pair words)
- c. Punctuation ka·ani niamrang.

KHASI

A) Khasi poetry:

U Soso Tham: Ki Sngi Barim U Hynniew Trep;
The Olden Days of Seven Huts

V.G. Bareh:

- i) Ka Lynti Umiam. (Ki Poetry Khasi)
The way of Umiam.
- ii) Ka wah Umkhrah.
Umkhrah River.
- iii) Ka Duitara.
The Harp.

B) Khasi Drama:

Mondon Bareh: U Mihsngi.
The Sunrise.

Peace Roy Pariat: Ka Shangkhawiah Ki Rang.
The Trapping of Men.

A Jala: Haba ka Kuparjot ka dawa.
When Fate demands.

C) Khasi Fiction

S. J Duncan:

- i) U Men Mali. (from phuit ka Sabuit)
The Old gardener.
- ii) Ki mad ia ka Shillong.
Experience life in Shillong. (same)
- iii) Ka Akor kaba tam.
A good character . (same)

W Tiewsoh: Ki kam Kalbut.
The work of Kalbut.

D) Khasi Culture:

H.O Mawrie: Ka pyrkhat U Khasi.
Khasi mindset.

D.T Laloo: Ka ksaw ka kpong u Hynniew Trep.
Animal Hunting of Seven Huts.

E) Khasi Literary Criticism:

H. Elias: Ka Hamsaia ki por.
Neighbours of Time.

J.S Shangpliang: Ki Snap ka Novel.
Theory about Novel.

S.S Majaw: Tragoidia. (Part-I)

F) Khasi Linguistics:

H.W Sten: Shaphang ka ktien.
About Khasi Language.

M.B Jyrwa: Ki Jingpule shaphang ka Ktien.
Learning about Khasi Language.

B War: Ki Sawa bad ki Dur Kyntien jong ka Ktien Khasi.
Phonetics and Morphology in Khasi Language.

Khasi Grammar:

H.W Sten:

- i) Ka Noun bad ki jait Noun.
Noun and types of Noun.
- ii) Ka Adjective.
An Adjective.
- iii) Ka Verb.
A Verb.
- iv) Ka Preposition.
A Preposition.
- v) Ki Adverb bad ki jait Adverb.
An Adverb and types of Adverb.

Manipuri

1. Functional Manipuri Grammar:
 - a. Phonology, Morphology and Syntax.
 - b. Phonology: Vowels, Consonants, Clusters, Sequence of Phonemes, Syllable, Juncture, Tone.
 - c. Morphology: Morph, Morphemes, Roots and Affixes (Prefix, Suffix).
 - d. Word Formation: derivational Process- Affixation and Compounding.
 - e. Parts of Speech.
 - f. Tense, Number, Gender, Persons and Voices.
2. Oral Traditions: Folktales, Folksongs and Myths:
 - a. Meaning, Definition and Sectors of Folklore.
 - b. Folksongs and its varieties.
 - c. Folktales and its varieties.
 - d. Myths of Manipur.
 - e. Folk Games.
 - f. Folk elements in Manipuri Literature.
3. Folk And Performing Art:
 - a. An Introduction to Folk and Performing Arts in Manipur.
 - b. Manipuri Folk Music: Origin and Development.
 - c. Manipuri Folk Dance: Features and Forms.
 - d. Manipuri Folk Play: Characteristics and Themes.
 - e. Elements of Folk and Performing Art in Modern Performances and Literature.
 - f. History of Folk Performing Arts in Manipuri Speaking Areas.
4. History Of Manipuri Literature (Modern and Contemporary Period):
 - a. Socio-cultural background of Manipur in the 19th and 20th century.
 - b. Modern Manipuri Drama and Play.
 - c. Modern Manipuri Prose.
 - d. Modern Manipuri Poetry.
5. Study of Important Authors:
 - a. Narration and Narrator.
 - b. Life and Works of Authors.
 - c. Creative Style of Authors.
 - d. Art and Ideology of Authors.

Important authors- Hijam Anganghal/Khwairakpam Chaoba/Lamabam Kamal/MK Binodini/Sri Biren.

6. Selected Texts: Novels and Short Stories:
 - a. Definition, Characteristics and Classifications of Novels.
 - b. Definition and Characteristics of Short Story.
 - c. Reading of the Novel *Madhabi* by Lamabam Kamal/ *Imphal Amasung Magi Ishing Nungshit ki Phibam* by Pacha Meitei.
 - d. Reading of Selected Short Stories of E. Dinamani, Keisham Priyokumar and Nongthombam Kunjamohan.
7. Selected Texts: Poetry and Plays:

Poetry:

 - a. *Kanchi Seireng* published by Manipur University, Kanchipur.

b. *Manipuri Seireng* published by Manipuri Sahitya Parishad, Imphal.

Plays:

- a. *Asangba Nongjabi* written by MK. Binodini, 1967.
- b. *Judge Sahebki Emung* written by Arambam Samarendra.
- c. *Matric Pass* written by G.C. Tongra.

BODO

1. बर' खुगा थुनलाइ आरो बिनि रोखोम (Bodo folk-literature and its kinds)
2. बर थुनलाइ जोनोम जानायनि सिगां मिसनाफोरनि बिहोमा (Contribution of the missionaries to the early period of Bodo literature)
3. बर' खनथाइ, राइथाइ, सुंद सल', फावथाइ, सल'फोरनि एसे सिनाइथि (An outline of Bodo poetry, Prose, Drama, Short story, Novel (from the Bibar Alongbar age to 2000)
4. बर' रावनि हांगो बाहायनाय, बर' साहित्य सभा, जागायजेन्नाइनिफ्राइ दिनैसिम (Use of scripts of Bodo language, Bodo Sahitya Sabha (from the beginning to till now)
5. बर' सोदोब, बर' रावनि जौगानाय, गोसारथि, बर' रावसाफोर, बर' रावनि आ थाइ आरो मासि (The term Bodo, language, Concentration, Bodo Dialects, Characteristics and status of the Bodo language)
6. रावखानथिनि माखासे मोनदांथि, रिसारथि (रिसार आरो बिनि ज'नाय जायगा आरो बाहायनाय), सोदोबमा (मुंमा, मुंराइ, थाइजा, थाइलालि, नुयै फरा) Some concepts of Grammar, Phonology (phonemes: its descriptions and distributions) POS OF Bodo, (Noun, Pronoun, verb, Adjective, unseen passage)
7. बाश्राखान्थि: बाथानि बाहागो, बर' रावनि बाश्रा खोन्दोबनि बाहाइनाय, दाजाब्दाफोरनि बाहायनाय, बिदिन्था, सोदोब बेखेवफा आरो मावरिजानि दाजाब्दाफोर, सानराइ आरो आथोन syntax: kinds of sentence, use of Bodo phrase and Idioms, Use of Affixes, Tense, Case and case endings, Number and Gender)
8. हारिमुनि बुंफुरलु, बर' हारिमुनि बाहागो आरो आखुथाइ (Definition of culture, Bodo culture, Types and characteristics of Bodo culture)
9. बर'फोन बेसादारी हारिमु (Material Culture of the Bodos)
10. बर'फोरनि फोरबोफोर (Festivals of the Bodos)

Part 1: Foundation of Library & Information Science.

Unit.1. Library as a Social Institution

- Social & Historical foundations of Library.
- Different types of libraries- Academic, Public, Special –their distinguishing features and functions.
- Role of U.G.C. for development of Academic libraries.
- Role of Library in formal and informal education.

Unit.2 Normative Principles of Lib. & Inf. Science

- Five Laws of Library Science.
- Implications of five laws in Lib. & Inf. Science
- Development of Libraries with special reference to India, Baroda Public Library system
- Library Co-operation Resource Sharing and Library Networking.

Unit 4. Laws relating to Libraries & Information.

- Library legislation need and essential features.
- Library legislation in India.
- Maharashtra Public Library Act.
- Press and registration act & Delivery of Books act (Public Library).
- Copyright act, Intellectual Property rights.

Unit.5 Library and information Profession

- Attribution of profession.
- Librarianship as a profession.
- Professional ethics.
- Professional associations & their role.
- National & International Library Associations- FID, IFLA, LA, ILA, ALA, IASLIC etc.
- Professional education & research.

Unit.6 Promoters of Library & Information services

- National level promoters- RRRLF.
- International level promoters-

UNESCO

Unit 7. Public relations & Extension activities

- Definition
- facets and programs.
- publicity & extension, Outreach activities.
- Library path finders (Guides)
- Factors affecting Library development, Literacy, publishing, Book Trade.

Part II: Knowledge Organization, Information Processing & Retrieval.

Unit. 1. Universe of Knowledge

- Structure and attributes.
- Modes of formation of subjects.
- Different types of subjects.
- Universe of subjects as mapped in different schemes of classification.

Unit. 2 Bibliographic description

- Catalogue purpose, Structure and types physical forms including OPAC filling rules.
- Normative Principles of cataloguing.
- Overview of principles and practice in document description.
- Current trends in Standardization, description and exchange.
- Standard codes of cataloguing.

Unit. 3. Methods of Knowledge Organization

- General theory of Library Classification.
- Normative principles of classification and their application.
- Species of Library Classification.

- Standard Schemes of Classifications and their features, CC, DDC, UDC.
- Notation: Need, Functions, Characteristics
- Design and development of schemes of Library Classification, Standard sub-division Index.
- Trends in Library Classification.

Unit.4. Subject Classification

- Principles of Subject Classification.
- Subject heading lists and their feature.

Part III: Information Technology: Basic

Unit.1 Information Technology

- Definition, Need, Scope and Objectives.

Unit. 2 Computer Basic

- Introduction to Computers
- Overview of Historical Development of Computers.
- Generations of Computers, Classification of Computers.
- Essential Components of Computer system.

Unit.3 Computer Architecture-Organization of Computer

- Input and Output devices- Keyboard, Scanner, OCR, Printers, Monitor

Unit. 4. Software.

- Operating systems: Single & Multi User Systems, Basic features of MS-DOS, MS Windows, Linux, UNIX, Windows NT etc.
- Programming Languages: Concepts and Tools
- Algorithm & Flowcharting.

Unit. 5 MS-Office package

Unit. 6 DBMS Package

- Familiarity with DBASE, FOXPRO, CDS/ISIS, SOUL, MS Access (Basic features)

Unit 7. Computer application to library & Information work

- Housekeeping operations

Unit 8. Communication Technology

- Communication Technology Basic Concepts
- Networking: Basic Concepts.
- Internet

Part IV: Management of Libraries & Information Centres/Institutions

Unit.1 Management

- Concepts, definition and scope.
- Management styles and approaches.
- Management schools of thought.
- Functions and principles of Scientific Management.

Unit.2 Human Resource Management

- Organizational structure.
- Delegation, Communication and Participation.
- Job Description and Analysis, Job evaluation.
- Inter-personal relation.
- Recruitment procedures.
- Motivation, group Dynamics.
- Training and Development.
- Disciplines and Grievances.
- Performance Appraisal.

Unit.3. Financial Management

- Resources Mobilization
- Budgeting Techniques and Methods PPBS, Zero Based Budgeting etc.
- Budgetary Control.
- Cost effectiveness and Cost Benefit analysis.
- Outsourcing.

Unit. 4 Reporting

- Types of reports, Annual report-compilation, Contents and style.
- Library Statistics etc.

Unit 5 System Analysis and Design

- Library as a system
- Project Management PERT/COM
- Decision Tables.
- Performance evaluation standards, MIS.
- Performance Measurement, reengineering, Time and Motion Study
- SWOT (Strength Weakness Opportunities Threat)
- DFD (Data Flow Diagram)

Unit 6. Total Quality Management (TQM)

- Definition, Concept, Element
- Quality Audit, LIS related standards.
- Technology Management.

Unit. 7 Library House Keeping Operations.

- Different sections of Library & Information Center and their functions.
- Collection Development and Management Policies Procedures.
- Book Ordering (Acquisition)
- Technical Processing.
- Serials Control, Circulation Control, Maintenance etc.
- Stock Verification- Policies and Procedures.
- Evaluation and Weeding.
- Archiving-conservation-Preservation.
- Restoration including Print, Non-Print and Electronic Materials.

Unit.8 Planning

- Concept, Definition, Need and Purpose, Types.
- Policies and Procedures, MBO
- Building and Space management in Libraries and Information Centers.
- Library Building, Interior & Exterior, Furniture, Equipment's, Standards & Types.
- Risk Management, Contingency Management.
- Planning of related Infrastructure, Library Standards.

Unit 9. Management of change.

- Concept of change.
- Changes in Procedures, Methods, Tools and Techniques.
- Problems of Incorporating Change.
- Techniques of Managing Change.

Part V: Information Sources & Services

Unit 1. Reference and information sources.

- Documentary Sources of Information, Print, Non-Print including Electronic: Special features, Scope, types
- Nature, Characteristic, Utility and evaluation of different types of Information sources: Physical formats, Authority, Content, Utility.
- Non-Documentary Information Sources.
- Reference Sources Categories, Primary, Secondary & Tertiary Information Sources. (Encyclopedia, Dictionary, Periodical, Thesis, Books, Year book, Patents, Trade literature, standards, Monographs, Reference Books, Year Books, Almanac, Atlas, Abstracting &

Indexing periodicals, Bibliographies, Handbooks etc.)

- Internet as a Source of Information.

Unit.2. Reference Service.

- Concept, Definition, Need, Scope and trends.
- Reference Interview and Search Techniques.

Unit 3. Information Services and Products

- Information services and Products.
- Information services concepts, Definition, Need and trends.
- Need, Techniques and Evaluation of Alerting services (CAS&SDI)
- Bibliographic, Referral, Document Delivery and Translation Services.

Unit.4. Information System and their Services.

- Study of National, International and Commercial Information Systems and Services- Background,their Services and Products.

Part VI: Library Users

Unit 1. Techniques of Library and Information Centres Survey.

- Proforma method.
- Interview method.
- Records analysis method.

Unit.2. Information users and their information Needs

- Categories of Information users.
- Information needs definition and models.
- Information seeking behaviour.

Unit.3 User Education

- Goals and Objectives level, Techniques and Methods, Evaluation of Users Education Programmes.

Unit. 4. User Studies.

- Methods and techniques of User studies.
- Evaluation of User studies.

Unit 5. User Orientation Programmes:

- Conventional and modern Techniques: Study tour, Newsletters, Handbooks, Leaflets, PowerPoint Presentation, Websites etc.

DRAWING AND PAINTING

HISTORY OF INDIAN ART

UNIT 1: Art of Indus Valley

(Harappan and Mohenjo-Daro)
(2500 B.C. to 1500 B.C.)

(1) Introduction

- (i) Period and Location.
- (ii) Extension: In about 1500 miles
 - (a) Harappa & Mohenjo-Daro (Now in Pakistan)
 - (b) Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dhaula Veera (in India)

(2) Study of following

Sculptures and Terracottas:

- (i) Dancing girl (Mohenjo-daro) Bronze, 10.5 x 5 x 2.5 cm.
Circa 2500 B.C.
(Collection: National Museum, New Delhi).
- (ii) Male Torso (Harappa)
Stone, 9.2 x 5.8 x 3 cms.
Circa 2500 B.C.
(Collection: National Museum, New Delhi).
- (iii) Mother Goddess (Mohenjo-daro) terracotta, 22 x 8 x 5 cm.
Circa 2500 B.C.
(Collection: National Museum, New Delhi).

(3) Study of following

Seal:

- (i) Bull (Mohenjo-daro)
Stone, 2.5 x 2.5 x 1.4 cm.
Circa 2500 B.C.
(Collection: National Museum, New Delhi).

(4) Study of following

Decoration on earthen wares:

- (i) Painted earthen-ware (Jar) (Mohenjo-daro)
(Collection: National Museum, New Delhi).

UNIT 2: Buddhist, Jain and Hindu Art.

(3rd century B.C. to 8th century A.D.)

- (1) General Introduction to Art, during Mauryan, Shunga, Kushana & Gupta Period:

(2) Study of following Sculptures:

- (i) Lion Capital from Sarnath (Mauryan period)
Polished sand stone,
Circa 3rd Century B.C.
(Collection: Sarnath Museum, U.P.)
- (ii) Chauri Bearer from Didar Ganj (Mauryan period)
Polished sand – stone, Circa 3rd Century B.C.
(Collection: Patna Museum, Bihar)
- (iii) Bodhisattva head from Taxila (Gandhara Period)
Stone, 27.5 x 20 x 15 c.m.
Circa 2nd Century A.D.
(Collection: National Museum, New Delhi)
- (iv) Seated Buddha from Katra Tila Mathura – (Kushan Period)
(Collection: Mathura Museum)
- (v) Seated Buddha from Sarnath (Gupta Period)
Stone
Circa 5th Century AD
(Collection: Sarnath Museum, U.P.)
- (vi) Jain Tirthankara (Gupta period)
Stone
Circa 5th Century AD
(Collection at State Museum, Lucknow U.P.)

(3) Introduction to Ajanta
Location, period, No. of caves, Chaitya and Vihara, Paintings and Sculptures subject matters and themes etc.

(4) Study of following Painting & Sculpture:

- (i) Padmapani Bodhisattva (Ajanta Cave No. I)
Mural Painting
Circa 5th Century A.D.
- (ii) Mara Vijay (Ajanta Cave No. 26)
Sculpture in stone
Circa 5th Century A.D.

Unit 3: Temples Sculpture, Bronzes and Indo-Islamic

ArchitectureArtistic aspects of Indian Temples (6th Century A.D. to 13th Century A.D.)

(1) Introduction to Temple Sculpture
(6th Century A.D. to 13th Century A.D.)

(2) Study of following Temple-Sculptures;

- (i) Descent of Ganga (Pallava period, Mahabalipuram Tamilnadu), Stone Circa 7th Century A.D.
- (ii) Ravana Shaking Mount Kailash (Rashtrakuta period, Ellora, Maharashtra) Stone
Circa 9th Century A.D.
- (iii) Trimurti (Elephanta, Maharashtra) Stone
Circa 9th Century A.D.
- (iv) Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela; Period, Khajuraho, M.P.) Circa 10th Century A.D.
- (v) Cymbal Player Sun Temple (Ganga Dynesty, Konark, Orissa) Circa 13th

Century A.D.

(vi) Mother & Child (Vimla-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu, Rajasthan)
White marble.
Circa 13th Century A.D.

(3) Bronzes

- (i) Introduction to Indian Bronzes
- (ii) Method of casting (solid and hollow)

(4) Study of following south Indian Bronzes:

- (i) Nataraj (Thanjavur Distt., Tamilnadu)
Chola period (12th Century a.D.)
(Collection: National Museum, New Delhi)
- (ii) Devi (Uma)
Chola Period (12th Century a.D.)
(Collection: National Museum, New Delhi)

(5) Artistic Aspects of the Indo-Islamic Architecture

- (i) Introduction

(6) Study of following architectures:

- (i) Qutab Minar, Delhi
- (ii) Taj Mahal, Agra
- (iii) Gol Gumbaj of Bijapur

Unit 4: The Rajasthani and Pahari Schools of Miniature painting (16th Century A.D to 19th Century A.D.)

Introduction to Indian Miniature Schools: Western-Indian, Pala, Rajasthani, Mughal, Central India, Deccan and Pahari.

(A) The Rajasthani Schools

- (1) Origin and Development
- (2) Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- (3) Main features of the Rajasthani Schools
- (4) Study of the following Rajasthani Paintings:

Title	Painter	School
Maru-Ragini	Sahibdin	Mewar
Raja Ajniruddha Singh Heera	Utkal Ram	Bundi
Chaugan Players	Dana	Jodhpur
Krishna on swing	Nuruddin	Bikaner
Radha (Bani – Thani)	Nihal Chand	Kishangarh
Bharat meets Rama at Chitrakut	Guman	Jaipur

(B) The Pahari Schools:

- (1) Origin and development
- (2) Schools-Basohli and Kangra
- (3) Main features of the Pahari School
- (4) Study of the following pahari Paintings

Title	Painter	School
Krishna with Gopies		Basohli
Raga Megha		Kangra

Unit 5 The Mughal and Deccan Schools of Miniature Painting (16th Century AD to 19th Century A.D.)

(A) The Mughal School

- (1) Origin and development
- (2) Main features of the Mughal School
- (3) Study of the following Mughal paintings

Title	Painter	School
Krishna lifting mount	Goverdhan	Miskin Akbar
Babur Crossing the river sone	Jaganath	Akbar
Jahangir holding the picture of Madona	Abul Hassan	Jahangir
Falcon on a bird rest	Ustafd Mansoor	Jahangir
Kabir and Raidas	Ustad Faquirullah Khan	Shahjahan
Marriage procession of Dara Shikoh	Haji Madni	Provincial Mughal (Oudh)

(B) The Deccan School

- (1) Origin and development
- (2) Main features of the Deccan School
- (3) Study of the following Deccan paintings

Title	Painter	School
Raga Hindola		Ahmednagar
Chand Bibi Playing Polo (Chaugan)		Gol Konda

Unit 6 : The Bengal school and the Modern trends in Indian Art

- (A) (1) A. New Era in Indian Art- an introduction
 - B. Study of the following painting
 - (i) Rama Vanquishing the pride of the ocean-Raja Ravi Verma
- (2) Evolution of the Indian national Flag (First – 1906, Middle – 1921 and Final 1947stages): Study of the form and the colour scheme
- (B) (1) Introduction to the Bengal School of painting
 - (i) Origin and development of the Bengal School
 - (ii) Main Features of the Bengal school
- (2) Contribution of Indian artists in the struggle for National Freedom Movement
- (3) Study of the following paintings of the Bengal School
 - (i) Journey's End – Rabindranath Tagore
 - (ii) Parthasarathi – nandal Bose
 - (iii) Radhika – M.a.R. Chughtai
- (C) The Modern Trends in Indian Art
 - Introduction
 - (1) Study of the following Paintings:
 - (i) Magician-Gaganendranath Tagore
 - (ii) Mother and child-Jamini Roy
 - (iii) Woman face-Rabindranath Tagore
 - (iv) Tree Girls-Amrita Sher gill
 - (2) Study of the following pieces of Sculpture:
 - (i) Triumph of labour- D.P. Roychowdhury
 - (ii) Santhal Family-Ramkinker Vaij

(3) A Study of the following work of contemporary Indian Art'

Paintings

- (i) Mother Teresa-M.F. Hussain.
- (ii) Birth of Poetry- K.K. Hebbar
- (iii) Gossip-N.S. Bendre
- (iv) Untitled G.R. Santosh
- (v) Diagonal – Tyeb Mehta

(4) Graphic Prints

- (i) Whirl Pool-Krishna Reddy
- (ii) Children-Somnath Hore
- (iii) Devi-Jyoti Bhatt
- (iv) Of Walls-Anupam Sud
- (v) Man, Woman and Tree K. Laxman Goud

(5) Sculptures

- (i) Standing Woman-Dhanraj Bhagat
- (ii) Cries Un-heard-Amar nath Sehgal
- (iii) Ganesha-P.V. Jankiram
- (iv) Figure- sankho Chaudhuri
- (v) Chatturmukhi – Aekka Yada Giri Rao

Note: The names of artists and their art work as listed above are only suggestive and in no way exhaustive.

Science of Music and Studies of Shrutes

Vibration and frequency; pitch and its relation with Vibrator, Vocal and Instrumental ranges of sound; Amplitude, Timber, Qualities and musical and unmusical overtones (Swayambhu Swar); consonance and Dissonance; Main types of chords; Absorption, Echo; Reverberation and Resonance of sound, concept of Shruti (different opinions on it). Placement of suddha and Vikrit Swars on different shrutes according to Lochan, Ahobal, Pundarik, Ramamatya, Somnath etc. Comparative study of Vyankat-Mukhi's 72 melas, Bhatkhade's Ten That's and Modern thirty-two That's.

Study of Ragas and Tals

Critical, detailed and comparative study of the following Ragas: - SUDHAKALYAN, DESHKAR, KAMOD, CHHAYANAT, GOUDSARANG, JAIJAIWANTI, RAMKALI, POORIYA, MARWA, SOHANI and SHANKARA,

illustrations of Nyas, Alpatva, Bahutva, Avirbhava and Tirobhava in the above Ragas by means of notes.

Knowledge of the following Tals with different types of Layakaries and writing of the Tals in Dugun, Tigun, Chougun and Ada:- Trital, Ektal, Rupak, Teevra, Sooltal, Jhoomra, Dhamar and Jat tal.

Writing the songs in notation in the above ragas with Alaps. Tans, Boltans in Khayals and Dugun, Tigun etc., in dhruvapad and Dhamar. Identification of Ragas from given notes.

Instrumental Music

Science of Music and Studies of Shrutes

Vibration and frequency, pitch and its relation with vibrator Vocal and Instrumental ranges of sound. Amplitude, Timber, qualities of musical, unmusical overtones (Swayambhu-Swar) consonance and Dissonance. Main types of chords, Absorption, Echo, Reverberation and resonance of sound, concept of shruti (different opinions on it) placement of suddha and vikrit swara according to lochan, Ahobal, Pundarik Rammamatya, somnath etc. Comparative study of Swaras of Northern and Southern saptak, critical study of Vyankatmukhi's 72 Melas. Bhatkhande's Ten Thats and Modern thirty-two thaths.

Study of Ragas and Tals

Critical, detailed and comparative study of the following Ragas:- SUDHAKALYAN, DESHKAR, KAMOD, CHHAYANAT, GOUDSARANG, JAIJAIWANTI, RAMKALI, POORIYA, MARWA, SOHANI and SHANKARA.

Illustrations of Nyas, Alpatva, Bahutva, Tirobhav and Avirbhava in the above Ragas by means of notes. Knowledge of the following Tals with different types of Layakaries and writing of the Tals in Dugun, Tigun, Chougun and Ada:-

Trital, Jhaptal, Choutal, Keharwa, Dadra, Tilwada, Rupak, Teevra, sool - Tal, Dhamar and Jat-Tal.

Writing the Gats in notation in the above ragas with Alaps, Todas, Jhalas, Identification of Ragas from the given notes.

Candidates offering percussion Instruments must have critical detailed and comparative study of the following Tals:-

TEENTAL, JHAPTAL, RUPAK, CHOUTAL, SOOLTAL, TEEVRA, TILWADA, DADRA, KAHARWA, PANJABI, JATTAL.

They should also know the different types of Laykaries, Tukaras, paranas, Peshkara, Quada, Avartan, Bant, Kisim, Palta, Rela, Laggi, Ladi, etc. where applicable in the abovementioned talas, writing in notation of all the matter in above talas and identified - for given Bols.

Vocal Music

Notation system, scales and study of Bio-graphics of Musicians.

Notation system of Bhatkhande and vishnudigambar and western Music, writing of simple songs in these notations. Western Note, various types of intervals of notes. Time signature, different Musical scales, Dia- tonic scale, comparative study of scales of Bhatkhande and western Music. Harmony and Melody, placement of notes on veena according to Pt. Srinivas, comparative study of Northern and Southern Tal paddhaties, contribution of various scholars and musicians to the Indian Music.

Biographies of Bhatkhande, Vishnudigamber, Tansen, Ameer Khusroo, Faiyyaz Khan, Pt. Ravi Shankar, Pt. Ram Sahay, Ahmadjan Thirakwas, Kudau Singh, Nana Sahib panse.

Study of Musical Styles and Ragas

Geet, Gandharva, Gan, Deshi Sangeet, Sthaya, Mukhachalan, akshiptika, Nibadha and Anibadh Gan, Raglakshan, Ragalap, Alapti swasthan Niyam, prachalit Alap, Tan; Meend.

Critical detail and comparative study of the following Ragas with illustration of Nyas, Alapatva, Bahutva, Tirobhav and Avirbhav in them.

Lalit, Darbari, Adana, Mia-Malhar, Goudmalhar, Bahar, Todi, Multani, Deshi, Jogiya and Vibhas.

Knowledge of the following Tals with different types of Layakaries and writing of the Talas in Dugun, Tigun, Chougund Ada:

Trital, Ektal, Jhaptal, Choutal, Kaharwa, Dadra, Tilwada, Rupak, Teevra, Sooltal, Jhoomra, Dhamar and Jattaland pancham Sawari.

Comparative and detail study with the descriptions of different styles of Indian Music viz. Dhrupad, Dhamar, Khayal, Thumri, Tappa, Chaturang, Taranas, Trivat, etc. and their evolution, writing of notation of songs in the above Ragas with alaps, Tans Boltans etc. and with different Layakaries in Dhruvapad and Dhamar, Identification of Ragas from given notes. A short essay on any musical subject.

Instrumental Music

Notation system of Bhatkhande, Vishnudigamber and western Music. Writing of simple gats in these notations. Western notes. Various types of intervals of notes. Time signature, different Musical scales Dia- tonic scale, pythagorean scale, Tempered scale, Major scale, Minor scale etc. Comparative study of scales of Bhatkhande and Western Music. Harmony and Melody, placement of notes on Veena according to Pt. Srinivas.

Comparative study of Northern and southern Tal paddhaties contribution of various scholars and Musicians to the Indian Music.

Biographies of Bhatkhande, Vishnudigamber, Tansen, Ameer Khusro Faiyyaz Khan, Onkarnath Thakur, Allauddin Khan, Pt. Ravishankar, Pt. Ram Sahai, Ahmad Jan Thirakwa, Kudau Singh, Nana Saheb Panse.

Study of Styles, Baj, Ragas and Tals

Geet, Gandharv, Gan, Deshi Sangeet, Sthaya Mukhchalan, Akshiptika Nibadha and Anibadh gan, Raglakshan, Raga-Alap, Rupakalap, Alapti Swasthan-Niyam, Prachalit Alap and Tan, Zamzama, Meend, Sootghaseet, Jor Alap, Toda.

Critical detailed and comparative study of the following Ragas with illustrations of nyas, Alapatva, Bahutva, Tirobhava and Avirbhav in them.

Vibhas, Lalit, Darbari Kanhda, Adana, Miyan Malhar, Goud Malhar, Bahar, Todi, Multani, Deshi and Jogiya. Identification of Raga from given notes. Knowledge of following tals: Ada chartal, Ektal, Deepchandi, Dhamar, Farodast, Pancham Sawari, Kumbh, Sikhar. Candidates offering percussion instruments must have critical detailed and comparative study of the following tals: Adachartal, Ektal, Pancham Sawari, Farodast, Dhamar, Kumbh, Shikhar, Matt Tal, Dhumali, Deepchandi, Addha tal. They must also know, Tukras, parans, Tihai, Kayadas, Paltas, Relas, Peshkaras, Mukharas, Tipallis, chaupalli, Chakkardar bols, Farmaishi, Paranas, Lom - Bilom, Charbagh, Stuti ke bol, Jhulna ke bol. Dhamar and Bedamdar tihais in the above mentioned tals.

Ability to recognize tals by given bols, writing of all the matters in notations.

A short essay on any Musical subject. Knowledge of Baithaks, styles of playing and Gharanas. Ability to write tals in different layakaries knowledge of different types of Musical instruments and their system of classification.

Vocal Music

History of Music and Classification of Rags and Tals

Short history of Music of Ancient periods up to 13th century A.D. with classification of Rags and Tals. Evolution of jatis Ragas, short history of Music of Medieval and Modern periods, prabandh. Revival of Indian Classical Music, comparison of the Hindustani and Karnataka Music systems. Impact of Modern Science in the development and propagation of Music. Essay on any general topic of Music.

Study of Musical Styles and Ragas

Critical, detailed and comparative study of the following Ragas with illustrations of Nyas, Alpatva, Bahutva, Avirbhava and Tirobhav.

Shree, Pooria-Dhanashree, Basant, Paraj, Hindol, Chandrakauns, Suddhasarang, Madhuwanti, Bageswari, Jaunpuri, Malgunji.

Critical study of different styles of Music of North and South, various Gharanas of Music, Gram, Moorchana, various kinds of Gamak, writing of notation of songs. Ability to compose any song in any Raga.

Knowledge of the following Tals with different types of Layakaries Ada - Choutal, Brahma, Lakshmi, Rudra, Shikhar, Pancham Sawari.

Practical (Stage Demonstration)

One Drut Khayal in each raga and at least five Vilambit Khayals in the following Ragas:

Shree, Basant, Paraj, Puriya-Dhanashri, Hindol, Chandra Kauns, Suddhasarang, Madhuwanti, Bageshwari, Jaunpuri, Malgunji.

The candidates will have to give stage performance of his or her own choice of Raga of the Courses for half an hour. They will have to sing a Thumri composition too.

Instrumental Music

History of Music and Classification of Rags and Tals

Short history of Music of ancient period up to 13th century A.D. with particular reference to Natyasastra, Brihaddesi, Sangeet Ratnakar. Classification of Ragas and Tals. Evolution of jatis, Ragas. Short History of Music in Medieval period. Revival of Indian classical Music. Comparison of the Hindustani and Karnataka Music system. Impact of Modern science in the development and propagation of Music. Essay on any general topic of Music.

Critical, comparative and detailed study of Musical styles and the following Ragas with illustration of Nyas, Alpatva, Bahutva, Avirbhav and Tirobhav:

Shree, Pooria - dhanashree, Basant, Paraj, Hindol, Chandrakauns, Suddh Sarang, Madhuwanti, Bageshree, Jaunpuri, Malgunji.

Critical study of the different styles of Music of North and South. Various Gharanas of Music, Gram, Moorchna, various kinds of Gamaks, Writing of Notation of gats. Ability to compose any gat in any Ragas.

Knowledge of the following Tals with different types of layakaries and writing of Tals in Dugun, Tigun, Chougun, Ada. and Kuad, and Biyad.

Basant, Rudra, Laxmi, Gajjhampa, Pashto, Brahma. Candidates offering percussion instruments should also know the various kinds of Baj and styles of Table and Pakhawaj and should also know Peskhkaras, Paran, Tihais, Tukaras, Kishime, Kyadas, Paltas, Relas, Mukhras, Tripalli, Choupallies, Chakkardar, Bols, Farmaishi paran, Kamali paran, Lom-Bilom, Charbagh, Stuti ke bole, Jhulan ke bole, Jababi Paran, Navahakka, Damdar and Bedam ki tihai where applicable in the following Talas, along with their critical, detailed and comparative study:

Rudra, Badi swari, Jattal, Basant, Laxmi, Gaj Jhampa, Brahma tal, Asth Mangal, Ganesh Tal, Mani Tal, Pashto.

Various kinds of chands in the Tals where applicable and writing of different layakaries, Dugun, Tigun, Chougun, Ada, Kuad and Biyad.

TGT-PET

Physical Education Theory

Part – A

1. Concept of Physical Education

(Meaning and definition of Physical Education-its aim and objectives, Modern concept and scope of Physical Education, Need and importance of Physical Education, Place of Physical Education in the total education process

2. Physiological Aspects of Physical Education

Effect of exercise on:

Muscular System, Circulatory System, Respiratory System, Digestive System

3. Psychological Aspects of Physical Education

Definition of Psychology and Sports Psychology, Achievement and Motivation in Sports, Sportsmanship and Sports Ethics

4. Physical Fitness and Wellness

Meaning and Importance of Physical Fitness and Wellness, Components of Physical Fitness and Wellness, Factors affecting Physical Fitness and Wellness, Principles of Physical Fitness development, Means of fitness development, Aerobic Activities- Jogging, Cycling, Calisthenics and Rhythmic exercises, Participation in Games and Sports, Circuit Training

5. Training Methods

Meaning and Concept of Training, warming up, Limbering down and their importance, Methods of Training, Methods of Strength Development-Isometric, and Isokinetic Exercises, Methods of Endurance Development-Continuous Method, Interval Training and Fartlek, Methods of Speed Development-Acceleration Runs and Pace Races.

6. Sociological Aspects of Physical Education

Meaning of Sociology and its importance in Physical Education and Sports. Games and Sports as man's Cultural Heritage. Development of leadership qualities and group dynamics.

Part – B

History of the game/sport (Any game/ sport of student's choice), Latest general rules of the game/ sport (Any game/ sport of student's choice), Measurement of play fields and specifications of sports equipment, Fundamental skills of the game/ sport, Related sports terminologies, Important tournaments and venues, Sports personalities, Sports Awards.

Part – C

1. Health Education

Concept and objectives of Health Education, Importance of Health Education, Principles of Health Education, Importance of community participation for health promotion and welfare of individual, family and community

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2. Communicable Diseases

Meaning of Communicable Diseases, Essential conditions for Communicable Diseases to occur and disease process, Common alert signals indicating on set of Communicable Diseases, Mode of transmission, common symptoms and prevention of spread (transmission) of AIDS, Hepatitis B and Hepatitis C

3. Contemporary Health Problems

Abuse of alcohol, tobacco and drugs and the effect of abuse on individual, family and community, Effect of alcohol, tobacco and drugs on sportsperson., Eating habits that cause obesity and its effect on health of individual

4. Healthful living

Concept of environment, Scope of environment – living environment, work place environment and environment for leisure activities, Essential elements of healthful environment – safe water, low levels of noise, clean air, sanitary surrounding, low levels of radioactive radiations and absence of hazards responsible for accidents in (i) home and neighborhood in rural and urban areas (ii) school and workplace (iii) during leisure time activities recreation and sports, Role of individual in improvement of environment for health promotion and prevention of accidents related to transportation swimming and water sports, Disaster preparedness and health care during disasters.

5. Family Health Education

Meaning and functions of family and its importance as a social institution, Needs and problems of adolescents and their management, Human reproduction – menstruation, conceptional and prenatal care, Problems associated with pre-marital sex and teenage pregnancies, Preparation of marriage, Role of parents in child care.

6. Prevention and first aid for common sports injuries

Soft Tissue injuries – sprain and strain, Bone Injuries, Joint Injuries

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