राजस्थान लोक सेवा आयोग, अजमेर

–: प्रेस–नोट :–

दिनांक :– 25.09.2025

अभ्यर्थियों को सूचित किया जाता है कि आयोग द्वारा आयोजित की जाने वाली **वरिष्ठ अध्यापक माध्यमिक शिक्षा– (विभिन्न विषय), प्रतियोगी परीक्षा, 2025** का पाठ्यक्रम आयोग की वेबसाइट पर प्रसारित कर दिया गया है।

पाठ्यक्रम आयोग की वेबसाइट https://rpsc.rajasthan.gov.in **पर Senior Teacher (Secondary Education) Competitive Exam, 2025** के नाम से उपलब्ध है।

(आशुतोष गुप्ता)
मुख्य परीक्षा नियंत्रक

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT
ENGLISH

PAPER- II

Part-I
Secondary and Senior Secondary Standard

1. Grammar and Usage

i. Parts of Speech (Nouns, Verbs, Adjectives, Adverbs)
ii. Use of Articles and Determiners
iii. Tenses
iv. Use of Prepositions
v. Modal Auxiliaries
vi. Degrees of Adjectives (Comparative, Superlative Degree)
vii. Subordination and Coordination (Compound and Complex Sentences)
viii. Transformation of Sentences
    a) Affirmative, Negative, Interrogative and Imperative Sentences
    b) Active and Passive Voice
    c) Direct and Indirect Speech
ix. Phrasal Verbs
x. Proverbs & Idiomatic Expressions
xi. Words Often Misspelt and Confused
xii. One Word Substitution
xiii. Synonyms and Antonyms
xiv. Phonetic Transcription

Part-II
Graduation Standard

2. Grammar, Usage and Literature

i. Basic Sentence Patterns
ii. Clause Analysis (in terms of SVOCA)
iii. Reading Comprehension and Vocabulary
iv. Poetry Appreciation

3. An Acquaintance with Literary Forms/ Devices/ Techniques-

i. Simile
ii. Metaphor
iii. Personification

iv. Pun
v. Hyperbole
vi. Alliteration
vii. Onomatopoeia
viii. Sonnet
ix. Ode
x. Elegy
xi. Ballad
xii. Soliloquy
xiii. Dramatic Monologue
xiv. Stream of Consciousness

4. An Acquaintance with Major Literary Periods –

i. Renaissance
ii. Metaphysical
iii. Jacobean
iv. Neoclassical
v. Romantic
vi. Victorian
vii. Modern

5. An Acquaintance with Major Literary Movements-

i. Romanticism
ii. Gothic
iii. Pre- Raphaelite Movement
iv. Realism
v. Existentialism

6. Poetry-

i. Shakespeare.: When to the Sessions (Sonnet 30)
ii. John Milton: On His Having Arrived at the Age of Twenty-Three (on His 23rd Birthday)
iii. John Donne: The Sunne Rising
iv. John Dryden: A Song for St. Cecilia's Day
v. William Wordsworth: The Solitary Reaper
vi. John Keats: A Thing of Beauty
vii. Robert Browning: The Last Ride Together
viii. Alfred Lord Tennyson: Ulysses
ix. T. S. Eliot: The Love Song of J. Alfred Prufrock
x. Pablo Neruda: Keeping Quiet
xi. Nissim Ezekiel: The Night of the Scorpion
xii. Kamala Das: My Mother at Sixty-Six
xiii. Arun Kolatkar: The Bus

xiv. Sri Aurobindo: The Pilgrim of Night
xv. Toru Dutt: Our Casuarina Tree

7. Prose:

i. Francis Bacon: Of Studies
ii. Joseph Addison: Meditations in Westminster Abbey
iii. Charles Lamb: My Relations
iv. George Bernard Shaw: Freedom
v. Alphonse Daudet: The Last Lesson
vi. Pearl S. Buck: The Enemy

8. Fiction:

i. Charles Dickens: *A Tale of Two Cities*
ii. R. K. Narayan: *Malgudi Days*

9. Drama:

i. William Shakespeare: *Macbeth*
ii. Anton Chekhov: *A Marriage Proposal*

Part-III <u>Teaching Methods</u>

i. Basic Principles of Second Language Teaching.
ii. Developing the four Language Skills- Listening, Speaking, Reading, Writing.
iii. Teaching of Language Forms- Prose, Poetry, Grammar & Composition.
iv. Approaches and Methods of English Language Teaching- Grammar Translation Method, Direct Method, Structural Method, Audio Lingual Method, Communication English Language Teaching.
v. Evaluation in English Language.

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(i) Knowledge of Secondary and Senior Secondary Standard about relevant subject matter.
(ii) Knowledge of Graduation Standard about relevant subject matter.
(iii) Teaching Methods of relevant subject.

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SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT

हिन्दी

PAPER- II

खंड–प्रथम

माध्यमिक व उच्च माध्यमिक स्तर :-

- **वर्ण–व्यवस्था**
  - स्वर व व्यंजनों का वर्गीकरण
  - कोश–क्रम
- **शब्द–वर्गीकरण (स्रोत के आधार पर)**
  - तत्सम
  - तद्भव
  - विदेशी
- **शब्द–वर्गीकरण (व्याकरण आधारित)**
  - संज्ञा, सर्वनाम, विशेषण, क्रिया व इन सभी के भेद
  - क्रियाविशेषण व भेद
- **व्याकरणिक कोटियाँ**
  - लिंग
  - वचन
  - कारक
  - काल
- **शब्द–रचना**
  - संधि (स्वर व व्यंजन) व भेद
  - समास व भेद
  - उपसर्ग
  - प्रत्यय व भेद
- **शब्द–ज्ञान**
  - पर्यायवाची शब्द
  - विलोम शब्द
  - अनेकार्थी शब्द
  - समश्रुत भिन्नार्थक शब्द
  - वाक्यांश के लिए एक शब्द
- **वाक्य –रचना**
  - वाक्य के अंग
  - वाक्य के भेद–उपभेद

- **शब्द–शुद्धीकरण**
- **वाक्य –शुद्धीकरण**
- **मुहावरे एवं लोकोक्तियाँ –** अर्थ एवं प्रयोग

खंड–द्वितीय

स्नातक स्तर:-

- **शब्द शक्तियाँ, काव्य–गुण**
  - भेद व उदाहरण
- **काव्य–दोष**
  - श्रुतिकटुत्व, ग्राम्यत्व, अप्रतीतत्व, क्लिष्टत्व, अक्रमत्व तथा दुष्क्रमत्व
- **अलंकार**
  - श्लेष, यमक, उपमा, रूपक, उत्प्रेक्षा, विभावना, संदेह, भ्रांतिमान, विरोधाभास, अतिशयोक्ति, असंगति, अपह्नुति ।
- **छंद**
  - द्रुतविलम्बित, हरिगीतिका, दोहा, सोरठा, कुण्डलिया, चौपाई, छप्पय, मन्दाक्रान्ता, मनहरण कवित्त, मत्तगयन्द सवैया
- **रस**
  - रस का स्वरूप, रसावयव, रस–भेद
- **हिन्दी साहित्य का इतिहास (पूर्व आधुनिक काल)**
  - नामकरण व कालविभाजन
  - आदिकाल, भक्तिकाल व रीतिकाल
    - काव्य धाराएँ, प्रमुख प्रवृत्तियाँ, रचनाएँ व रचनाकार
- **हिन्दी साहित्य का इतिहास (आधुनिक काल)**
  - पद्य
    - भारतेंदु युग, द्विवेदी युग, छायावाद, छायावादोत्तर युग की प्रमुख प्रवृत्तियाँ, रचनाएँ व रचनाकार
  - गद्य
    - कहानी, उपन्यास, नाटक, निबन्ध की प्रमुख प्रवृत्तियाँ, रचनाएँ व रचनाकार
- **हिन्दी भाषा**
  - हिन्दी भाषा का उद्भव और विकास
  - हिन्दी एवं उसकी बोलियाँ
  - राजस्थानी की प्रमुख बोलियाँ
  - देवनागरी लिपि का मानक स्वरूप

निर्धारित पाठ:-

- **कबीर ग्रन्थावली** – सं0 श्यामसुन्दर दास
  - साखी – प्रारम्भिक 5 अंग
  - पद – प्रारम्भिक 10 पद

- **रामचरितमानस** – तुलसीदास, गीता प्रेस, गोरखपुर
  - बालकाण्ड
- **भ्रमरगीतसार** –सूरदास – सं0 रामचन्द्र शुक्ल
  - पद– प्रारम्भिक 20 पद
- **मीरां पदावली** – सं0 शम्भूसिंह मनोहर
  - पद– प्रारम्भिक 20 पद
- **बिहारी रत्नाकर** – सं0 जगन्नाथदास रत्नाकर
  - दोहे– प्रारम्भिक 20 दोहे
- **वीर सतसई** – सूर्यमल्ल मीसण – सं0 नरोत्तमदास स्वामी
  डॉ0 नरेन्द्र भानावत
  लक्ष्मी कमल
  - दोहे– प्रारम्भिक 20 दोहे

- **कुरुक्षेत्र** – रामधारी सिंह दिनकर
  - छठा सर्ग
- **कामायनी** – जयशंकर प्रसाद
  - श्रद्धा सर्ग
- **चिन्तामणि (भाग–1)** – आचार्य रामचन्द्र शुक्ल
  - उत्साह
  - श्रद्धा और भक्ति
  - लोभ और प्रीति
- **गोदान** – प्रेमचन्द
- **कहानियाँ**
  - उसने कहा था – चन्द्रधर शर्मा गुलेरी
  - पूस की रात – प्रेमचन्द
  - यही सच है – मन्नू भंडारी
- **आषाढ़ का एक दिन** – मोहन राकेश

खंड–तृतीय

हिन्दी शिक्षण एवं शिक्षण विधियाँ

(अ)

– भाषायी कौशलों के विकास हेतु निम्नांकित पक्षों के स्वरूप का शिक्षण– श्रवण, उच्चारण, वर्तनी, वाचन (सस्वर व मौन) अभिव्यक्ति (लिखित एवं मौखिक)

– हिन्दी की विभिन्न विधाओं का शिक्षण, शिक्षण विधियाँ एवं पाठ योजना निर्माण (इकाई व दैनिक)– गद्य शिक्षण, पद्य शिक्षण, व्याकरण शिक्षण, रचना शिक्षण, नाटक शिक्षण

(आ)

– भाषा शिक्षण में निदानात्मक परीक्षण व उपचारात्मक शिक्षण

– भाषा शिक्षण में सहायक सामग्री का उपयोग

– भाषा शिक्षण में मूल्यांकन– सतत एवं समग्र मूल्यांकन, पाठान्तर्गत व पाठोपरांत मूल्यांकन

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SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT

SOCIAL SCIENCE
PAPER- II

HISTORY :-

- Indus Valley Civilization – Town Planning, Social, Religious and Economic Life, Major sites.
- Vedic Age - Social and Religious Life, Varna, Ashram, Samskars
- Buddhism and Jainism – Causes of Rising and Teachings.
- Mauryas: Source, Political and Administrative features.
- Temples and Sculpture (styles and forms).
- Guptas: Political Achievements of Rulers; Growth of Art, Literature & Sciences.
- Bhakti and Sufi Movements.
- Mughal Period - (1526-1707) – (i) Key features of Administration, (ii) Art & Architecture.
- Marathas: Political and Administrative Achievements.
- National Movement in 19th and 20th Century -
  - (i) Revolution of 1857: Causes, Nature and Main Events.
  - (ii) Rise of Nationalism and Indian National Congress – Early Phase (Moderates and Extremists).
  - (iii) Mass Movements of Gandhiji: Non-Cooperation, Civil Disobedience and Quit India Movement.
  - (iv) Revolutionaries and their activities (20th Century)
- Political Revolutions in Modern World- American War of Independence, French Revolution and Russian Revolution.
- First and Second world war- Causes, Events and Impact.

GEOGRAPHY :-

- Motions of the Earth and its effects, Latitudes – Longitudes.
- Interior of the Earth, Origin of Continents and Oceans, Denudation, Earthquake and Volcano.
- Atmosphere – Structure and Composition, Insolation, Pressure Belts, Winds, Humidity and Precipitation.
- Ocean Relief, Temperature and Salinity, Ocean Currents and Tides.
- India – Physical features, Drainage, Climate, Soil, Natural vegetation, Bio-diversity, Agriculture, Industries and Demographic characteristics.

- Rajasthan – Physical features, Drainage, Climate, Soil, Natural Vegetation, Agriculture, Minerals, Industries, Demographic characteristics, Transport and Trade.

ECONOMICS:-

- Basic concepts of demand and supply. National income: Meaning, concepts and measurement. Economic growth and development.
- Money: Meaning and functions. Measures of money supply. Functions of central bank and commercial banks. Inflation.
- Measures of Central Tendency: Arithmetic Mean, Median and Mode.
- Growth of Indian Economy: Sectoral analysis and their contribution. Economic reforms in India.
- Poverty and Unemployment: Concept, measurement, programmes and policies in India. Health, education, human development and sustainable development goals in India.

POLITICAL SCIENCE: -

- Traditional, Modern and Contemporary Perspectives of Political Science.
- Political Concepts (with Contemporary Trends): State, Sovereignty, Rights, Liberty Equality, Justice, power, Authority and Legitimacy.
- Constitution of India: Fundamental Rights, Directive Principles of State Policy, Fundamental Duties, Amendment Procedure and Major Amendments, Union and State Governments (Executive, Legislature and Judiciary).
- Party System in India, Challenges to Indian Democracy and Development of Local Self Government (Rural and Urban).
- India’s Foreign Policy and Relations with Neighbouring Countries, India's Role in United Nations, G-7, G-20, BRICS and QUAD.

SOCIOLOGY: -

- Meaning, Nature and Perspective of Sociology, Relation between Sociology and Social Science.
- Basic Concepts – Society, Community, Institutions, Social Group, Status & Role, Social Change.
- Concept of Varna, Ashram, Dharma, Purusharth, Marriage and Family.
- Caste and Class – Meaning, Features, Change in Caste and Class.
- Current Social Problems – Casteism, Communalism, Poverty, Corruption and Unemployment.

PUBLIC ADMINISTRATION: -

- Meaning, Nature, Scope, Significance and Evolution of Public Administration as an independent discipline.
- Principles of Public Administration: Hierarchy, Span of Control, Unity of Command, Delegation, Coordination, Line and Staff.

- Administrative Behaviour: Decision Making, Leadership, Communication, Motivation.
- Administrative Institutions in Rajasthan: State Election Commission, Lokayukta, State Human Rights Commission, State Secretariat, Role of Directorates.
- Accountability and Control over Administration: Legislative, Executive and Judicial Control, Right to Information, Social Audit, The Rajasthan Guaranteed Delivery of Public Services Act, 2011, Rajasthan Right to Hearing Act, 2012

PHILOSOPHY:-

- Basic Philosophy of Vedas and Upanishads. Concepts of Karma, Rit and Purushartha.
- Nishkam Karma of Bhagvad Geeta, Ethical Percepts/Concepts of Jainism, Buddhism and Gandhi.
- Socratic Method, Cardinal Virtue theory of Plato, Cartesian Method.
- Hedonism, Utilitarianism, Kantian Ethics, Freedom of Will, Theories of Punishment.

TEACHING METHODS: -

- Concept, Nature and Scope of Social Science. General and Specific Objectives (Bloom Taxonomy) of Teaching Social Science.
- Concept of Correlation and its types in context of relationship with other school subjects.
- Methods and Techniques of Social Science Teaching - Lecture, Demonstration, Project, Problem-Solving, Social Recitation, Field Trips and Brain Storming.
- Instructional Support Material- Audio, Visual and Audio-Visual Materials in Social Science Teaching.
- Qualities and Role of a Social Science Teacher. Professional Development of Teacher.
- Concept and Principles of Curriculum, National Curriculum Framework 2005 with reference to Social Science.
- Planning of Teaching - Unit and Daily Lesson Plan.
- Tools and Techniques of Evaluation, Various Types of Question (Essay type, Short type and Objective type), Blue Print and Preparation of Achievement Test. Continuous and Comprehensive Evaluation (CCE).

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SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT

SCIENCE

PAPER- II

Part-I Secondary and Senior Secondary Standard:

- **Cell and Molecular Biology**: Structure and functions of cell and cell organelles, Nucleic acids; Central dogma; Structure and functions of Proteins, Carbohydrates and Lipids.
- **Genetics:** Mendelian work and Mendelism; Blood groups and Genetic disorders.
- **Taxonomy:** Five Kingdom System; classification and characteristics of major phylum of Animal Kingdom (Invertebrates and Vertebrates) and Lower Plant groups (Algae to Pteridophyte).
- **Ecology and Environmental Biology**: Food chain, food web and ecological pyramids; Pollution (air, water, soil and noise); Wildlife and its conservation; endangered species; Sanctuaries and National parks with special reference to the state of Rajasthan.
- **Biotechnology:** Recombinant DNA technology - Tools and techniques; Genetic Library, Polymerase Chain Reaction.
- **Microbiology:** Viruses, Bacteria, Mycoplasma, Lichens.
- **Plant Morphology and Anatomy**: Types of Plant tissues, Histological organisation of monocot and dicot root, stem and leaves; Structure of flower; Types of inflorescence.
- **Water Relation:** Water as a biomolecule - physical and chemical properties; Osmosis, DPD, Plasmolysis, Water potential, Absorption of water, Ascent of sap.
- **Photosynthesis:** Photosynthetic pigments; Photo systems; Red drop phenomenon; Emmerson effect; Light reaction, Dark reaction (C3 cycle); Bacterial photosynthesis and Chemosynthesis.
- **Enzymes:** Structure, Mechanism of Action and Factors affecting enzyme activities.
- **Plant Growth and Development:** Differentiation, Dedifferentiation and Redifferentiation. Roles of Plant Growth Regulators - Auxin, Gibberellins, Cytokinins, Ethylene and Abscisic acid.
- **Animal Developmental Biology:** Gametogenesis, Fertilization, Cleavage, Gastrulation, Organogenesis.
- **Evolution:** Lamarkism, Darwinism, Natural selection, Concept of species and speciation, Adaptation and Adaptive radiation.

- **Human Anatomy and Physiology:** Structure and function of human tissue, digestive system, excretory system, respiratory system, circulatory system and nervous system.
- **Human Health:** Nutrition, common human diseases, vaccination, immunity, tissue and organ transplantations and Bio- treatment techniques.
- **Biology in Indian Knowledge System**
- **Atomic Structure:** Fundamental Particles, Atomic models and their limitations, dual nature of particles, de-broglie equation, uncertainity principle, Modern concept of atomic structure, quantum numbers, Aufbau principle, Pauli's exclusion principle, Hund's rule, (n+l) rule. Electronic configuration of elements. Atomic mass, molecular mass, Equivalent mass, Mole concept, Symbols, ions, radicals, variable valancies, type of formulas – empirical formula, molecular formula, Chemical stoichiometry.
- **Chemical Bonding and Molecular Structure:** Ionic bond, covalent bond, coordinate bond. General properties of ionic and covalent bond, polarization, hybridization, Geometry of molecules, directional properties of bond, Fajan's Rule, concept of resonance**.**
- **Classification of Elements and Periodicity in Properties:** Mendeleev’s periodic law and classification of elements, limitation of Mendeleev’s periodic table, Modern concept of periodic table, electronic configuration and nomenclature of elements, Periodicity in properties - atomic and ionic radii, ionisation enthalpy, electron gain enthalpy, electro negativity and valency.
- **Equilibrium:** Law of mass action and its application to homogeneous equilibria, Le-chatelier principle and its application to physical and chemical system. Factors affecting chemical equilibria. Ionic equilibria in solutions, Acid-base concept, pH scale, Buffer solution. Dissociation of acid and base, Common ion effect and its importance. Solubility product and its uses.
- **Redox Reactions:** Concept of redox reactions, Oxidation numbers, balancing and applications of redox reactions.
- **Organic Chemistry:** Different methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compouds. Homolytic and heterolytic bond fission, free radicals, carbocations, carbanions, electrophiles and nucleophiles, type of organic reactions.
- **Hydrocarbons:** Aliphatic hydrocarbons (Alkane, Alkene and Alkyne); Aromatic hydrocarbon (Benzene), concept of aromaticity, chemical properties.
- **Physical World and Measurements**: Fundamental and derived units, systems of units, dimensional formula and dimensional equations, accuracy and error in measurements.
- **Vectors:** Unit vector, vector addition and multiplication.
- **Kinematics:** Motion in one dimension, uniformly accelerated motion, motion with uniform velocity, relative velocity.

- **Laws of Motion:** Newton's laws of motion, impulse, momentum, conservation of momentum.
- **Work, Energy, Power:** Work done by a constant/variable force, kinetic and potential energy, conservative/non-conservative forces, friction, power.
- **Rotational Motion:** Angular momentum, torque, centripetal & centrifugal force, moment of inertia, rolling motion.
- **Gravitation:** Universal laws of gravitation, gravitational acceleration (g), variation of g, orbital velocity, escape velocity, planetary motion, Kepler's law.
- **Properties of Matter:** Hooke's law, Young's modulus, bulk modulus, tortional rigidity, applications of elastic behaviour.
- **Fluid mechanics:** Pascal's Law, types of flow of liquid, critical velocity, coefficient of viscosity, terminal velocity, Stoke's law, Reynold's number, Bernoulli's theorem and applications, surface tension.
- **Electricity and Magnetism:** Current electricity, magnetic effect of current and electromagnetic induction.
- **Ray Optics:** Laws of reflection and refraction, image formation by lenses and mirrors, total internal reflection, dispersion by prism, scattering of light, defects in vision, microscope, telescope.

Part-II Graduation Standard:

- **Cell and Molecular Biology:** Cell cycle, mitosis, meiosis and their significance. Chromatin organisation. DNA replication; Transcription; Translation.
- **Genetics:** Regulation of gene expression in prokaryotes, sex determination and sex linked inheritance, maternal inheritance. Mutations and chromosomal aberrations.
- **Animal Taxonomy:** Classification and characteristics of animal kingdom up to class level.
- **Animal Anatomy and Function:** Locomotion in Invertebrates, nervous system in Invertebrates and Vertebrates. Reproductive system in Invertebrates and Vertebrates. Circulatory system in Invertebrates and Vertebrates.
- **Taxonomy of Angiosperms:** Bentham & Hooker system of Angiosperms Classification: Economic importance, Characteristic features, Floral formula and Floral diagram of families - Euphorbiaceae, Solanaceae, Malvaceae, Convolvulaceae, Fabaceae, Asteraceae and Poaceae.
- **Ecology and Environmental Biology:** Structure and functions of ecosystem; Ecological succession; Energy flow; Biogeochemical cycles – Carbon, Nitrogen, Oxygen, Phosphorus; Major biomes of the world. Red Data Book. Major environmental issues - Global warming, Greenhouse effect, Acid rain, El-Nino and La-nina, Ozone depletion, Deforestation, Carbon emission, Radiation hazards.

- **Biotechnology:** Gene transfer techniques; plant and animal tissue culture; Application of biotechnology in agriculture and medicine; Transgenic animals and plants.
- **Cryptogams:** General characteristics, Reproduction and Types of life cycles of Algae, Fungi, Bryophytes and Pteridophytes.
- **Seed Plants:** Evolution of seed habit. Classification, General characteristics and Reproduction in Gymnosperms.
- **Plant Anatomy:** Plant Meristems, secondary growth in dicot and monocot stem and root.
- **Reproduction in Plants**: Double fertilization, types of embryos and endosperms, polyembryony, apomixes, parthenocarpy.
- **Water Relations:** Transpiration, Guttation, factors affecting transpiration, mechanism of phloem transport.
- **Respiration:** Respiration: Types of respiration; Glycolysis, Kreb cycle; Respiratory quotient; Fermentation.
- **Plant Growth and Development**: Kinetics of growth, photoperiodism, vernalisation, seed dormancy, senescence, biological clock.
- **Animal Developmental Biology:** Extra embroyonic membranes, placenta, regeneration, stem cells, teratology, animal cloning, test tube baby, fate maps, parthenogenesis, aging, paedogenesis and neoteny.
- **Human Physiology:** Endocrine system, digestive glands, nerve impulse conduction, muscles contraction, hormonal control of reproduction, gas transport of oxygen and carbon dioxide in blood, cardiac cycle, blood clotting.
- **Economic Zoology:** Economic importance of Protozoa, Annelids, Insects and Mollusca; Social life of honey-bee and monkeys.
- **Co-ordination Compounds:** Co-ordination number, Ligands and their types and Werner's theory, IUPAC nomenclature of co-ordination compounds and formulation of mono nuclear co-ordination compound, Isomerism, shapes, colors, magnetic properties in complexes, stability of co-ordination compounds, metal carbonyl compound (classification, preparation, bonding and properties).
- **Molecular Structure:** Elementary idea about Valence Bond Theory, Molecular Orbital Theory (for simple homo-nuclear diatomic molecules), Valence Shell Electrons Pair Repulsion Theory, Crystal Field Theory.
- **States of Matter: Gaseous state-** gas laws, ideal gas equation, Dalton's law of partial pressure, kinetic theory of gases, deviation from ideal behavior, critical temperature and its importance, liquification of gases. **Liquid state**- properties of liquid, vapoure pressure, surface tension and viscosity coefficient and its application. **Solid state-** classification of solids, crystal structure.

- **Zero group elements:** Position in periodic table, isolation, compounds of zero group elements.

  s and p -block elements: Electronic configuration, general characteristics and properties.

  d-block elements: Electronic configuration, general characteristics for e.g. color, oxidation state, tendency to form complexes, magnetic properties, interstitial compound, catalytic properties, alloys.

  f-block elements: Lanthanides and Actinides, Electronic configuration, Lanthanide contraction and its consequences, Super heavy elements.
- **Metals and Metallurgy:** Minerals and ores, General principles of metallurgy, Metallurgy of Cu, Fe, Al and Zn.

  Non-metals and their Compounds: Carbon, Nitrogen, Sulphur, Oxygen, Phosphorous, halogens, Allotropes of C, S and P and their uses. Cement and Plaster of Paris.
- **Chemical Kinetics**: Order and molecularity of reactions, first and second order reactions and their rate expressions (no derivation), Zero and Pseudo order reactions, Arrhenius equation, Collision theory and Activated Complex Theory.
- **Solutions:** Osmotic pressure, lowering of vapour pressure, depression of freezing point and elevation of boiling point. Determination of molecular weight in solution. Association and dissociation of solutes.
- **Electrochemistry:** Electrochemical cells, electrode potentials, measurement of e.m.f. Conductance: Cell constant, specific and equivalent conductivity, Kohlrausch's Law and its applications, solubility and solubility product, equivalent conductivity at infinite dilution of weak electrolytes, hydrolysis and hydrolysis constant.
- **Surface Chemistry**: Adsorption, homogenous and heterogeneous catalysis, colloids and suspensions.
- **Reaction Mechanism:** Inductive, Mesomeric and Hyper-conjugation, Addition and substitution, Electrophilic addition and substitution reaction, Nucleophilic addition and substitution reactions (SN1 and SN2), Elimination reactions. Directive influence of functional group.
- **Spectroscopy Techniques:** UV-Visible (Lambert-Beer’s law, Auxochrome and Chromophore, various shifts, calculation of λ_{max} values of dienes, polyenes and enone compounds). IR (Molecular vibrations, Hook’s law, intensity and position of IR bands, finger print region, characteristic absorption of common functional groups).

- **Bio-Inorganic Chemistry:** Role of bulk and trace metal ions in biological system with special reference to Mg, Ca, Fe and Cu.
- **Bio-molecules:** Carbohydrates, Proteins, Vitamins, Nucleic Acids.
- **Polymers:** Natural and synthetic polymers.
- **Chemistry in Everyday Life:** Chemical in medicines, Chemicals in food, cleansing agents.
- **Chemistry in Indian knowledge system:** Contribution of Indian chemists
- **Mechanics:** Conservation laws, centre of mass, elastic and inelastic collision, damped and forced oscillations, special theory of relativity
- **Classical Electrodynamics:** Coulamb's law, electric field and potential, dipole, dielectrics, Gauss's theorem and application, capacitance alternating current Maxwell's equations.
- **Wave Optics:** Huygen's principle, interference of light, diffraction of light, resolving power of an optical instrument, polarization and scattering of light.
- **Thermal and Statistical Physics:** Laws of thermodynamics, Carnot's engine and efficiency; internal energy, entropy, enthalpy and Gibb's free energy, kinetic theory of gases, statistical description of system of particles: ensemble, basic postulates, density of states.
- **Quantum Mechanics:** Wave- particle duality, postulates of quantum mechanics, uncertainty principle, linear vector spaces and operators, Schrodinger equation, harmonic oscillator, one dimensional wells and barriers.
- **Atomic and Nuclear Physics:** Radioactivity, alpha, beta and gamma decays, nuclear forces, liquid drop model, fusion and fission, structure of atom, elementary spectroscopy.
- **Electronics:** Network theorems, semiconductor diodes and their applications, BJT and their applications, logic gates and Boolean algebra.

Part-III Teaching Methods:

- Definition and concept of science, nature of science, types of correlation in context of relationship with other school subjects, aims and objectives of science teaching, Scientific method, Scientific literacy, Scientific attitude.
- Principles of developing science curriculum at secondary level, factors affecting the selection and organisation of science curriculum, National Curriculum Framework – School Education 2023 with reference to Science, Unit plan and lesson plan, Taxonomy of educational objectives.
- Methods and approaches – Lecture cum demonstration method, laboratory method, problem solving method, project method, heuristic method, inductive

and deductive method, inquiry approach, constructivist approach, audio-visual teaching aids.

- Science laboratory and its importance, Co-curricular activities- science-club, science quiz, science fair and field trip.
- Evaluation- Concept, type and purposes, preparation of blue print, types of test items, Communicating test results for reflection.

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2. Duration of question paper will be **Two Hours Thirty Minutes**.
3. The question paper will carry **150 questions** of multiple choices.
4. Negative marking shall be applicable in the evaluation of answers. For every wrong answer one third of the marks prescribed for that particular question shall be deducted.
5. Paper shall include following subjects:-
   (i) Knowledge of Secondary and Senior Secondary Standard about relevant subject matter.
   (ii) Knowledge of Graduation Standard about relevant subject matter.
   (iii) Teaching Methods of relevant subject.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT
MATHEMATICS

Paper- II

Part-I Secondary and Senior Secondary Standard:

1. Number Systems:

Rational numbers as recurring/terminating decimals. Existence of non-rational numbers (irrational numbers), Real Numbers and their Decimal Expansions, Operations on Real Numbers, Laws of Exponents for Real Numbers. Euclid's division lemma, Fundamental Theorem of Arithmetic.

2. Geometry:

Lines and Angles, Properties of angles at a point, Parallel Lines and a Transversal, Sides and angles of a triangle, Properties of a triangle, Congruency of triangle, Similar triangles, Inequalities in a triangle, Concurrence of medians and altitudes, Quadrilaterals, Properties of angles, sides and diagonals of a Parallelogram, Rectangle, Rhombus, Trapezium and square. The Mid-point Theorem. Circle and terms related to it. Perpendicular from the Centre to a Chord, Equal Chords and their Distances from the Centre. Angle Subtended by an Arc of a Circle, Cyclic Quadrilaterals. Tangents from a Point on a Circle.

3. Mensuration:

(i) Areas: Area of plane figures involving triangles, quadrilaterals and circle. Area of sectors and segments of a circle. Problems based on areas and perimeter/circumference of the above said plane figures.

(ii) Surface Areas and Volumes: Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cylinders/cones. Problems involving converting one type of metallic solid into another and other mixed problems.

4. Algebra:

Degree of a polynomial. Constant, linear, quadratic, cubic polynomials; Zeros/roots of a polynomial/equation. Relationship between zeros/roots and coefficients of a polynomial/equation. Problems based on Remainder Theorem and Factor Theorem. Quadratic equations with real coefficients, formation of quadratic equations with given roots, Symmetric functions of roots. Linear and Quadratic inequations. Algebra of

complex numbers, addition, multiplication, conjugation, polar representation, properties of modulus and principal argument, triangle inequality, cube roots of unity, geometric interpretations. Arithmetic and geometric progressions, arithmetic and geometric means, sums of finite arithmetic and geometric progressions, infinite geometric series, Arithmetico-Geometric Progression. Sum of the first n natural numbers, sums of squares and cubes of the first *n* natural numbers, Fundamental principle of counting. Factorial n (n!). Permutations and combinations and simple applications. Binomial theorem for a positive integral index, general term and middle term, properties of Binomial coefficients.

5. Matrices and Determinants:

Matrices, algebra of matrices, type of matrices, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition, multiplication and multiplication with a scalar. Determinants of order two and three, properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle, Adjoint and inverse of a square matrix, inverse of matrix using elementary transformations, Test of consistency and solution of simultaneous linear equations in two and three variables using determinants and matrices.

6. Sets, Relations and Functions:

Sets and their representations. Different kinds of sets. Venn diagrams. Operation on Sets. De-Morgan's laws and practical problems based on them. Ordered pair, relations, domain and co-domain of relations, equivalence relation. Function as a special case of relation, domain, co-domain, range of functions, invertible functions, even and odd functions, into, onto and one-to-one functions, special functions (polynomial, trigonometric, exponential, logarithmic, absolute value, greatest integer etc.), sum, difference, product and composition of functions.

7. Trigonometry:

Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Trigonometric ratios of allied angles. Trigonometric functions and their periodicity, addition and subtraction formulae, formulae involving multiple and sub-multiple angles, general solution of trigonometric equations. Inverse trigonometric functions (principal value only) and their elementary properties. Problems on heights and distances.

8. Analytical Geometry:

(i)Two dimensions:

Cartesian coordinates, distance between two points, section formulae, shift of origin. Equation of a straight line in various forms, slop of line, angle between two lines,

distance of a point from a line, lines through the point of intersection of two given lines, equation of the bisector of the angle between two lines, concurrency of lines. Centroid, orthocenter, incentre and circumcenter of a triangle. Equation of a circle in various forms, equation of tangent, normal and chord of a circle. Parametric equations of a circle, intersection of a circle with a straight line/ circle, equation of a circle through the points of intersection of two circles and those of a circle and a straight line. Equation of a parabola, ellipse, hyperbola and their foci, directrices and eccentricity, parametric equations, equations of tangent and normal. Problems based on locus.

General equation of second degree. Nature of conic. Polar equation of a conic, polar equation of tangent, normal, asymptotes, chord of contact, auxiliary circle, director circle of a conic and related problems.

(ii)Three dimensions:

Distance between two points, direction cosines and direction ratios, equation of a straight line in space, skew lines, shortest distance between two lines, equation of a plane, distance of a point from a plane and a line, Cartesian and vector equation of a plane and a line. Angle between (i) two lines, (ii) two planes (iii) a line and a plane. Coplanar lines.

9. Calculus:

Limits, continuity and differentiability. Differentiation of the sum, difference, product and quotient of two functions. Chain rule, derivative of composite functions, derivatives of trigonometrical, inverse trigonometric functions, derivative of implicit functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second and third order derivatives. Rolle’s and Lagrange's Mean value Theorems, Applications of derivatives: Rate of change of quantities, monotonic increasing and decreasing functions, Maxima and minima of functions of one variable, tangent and normal. Integral as an anti-derivative, Integration of a variety of functions by substitution, by partial fractions and integration by parts. Integration of rational and irrational functions. Definite integral and their properties, application of definite integrals in finding the area under simple curves, especially lines, arcs of circles/parabolas/ellipses/hyperbola, area between the said curves (the region should be clearly identifiable).

10.Vector Algebra:

Vectors and scalars, magnitude and direction of a vector. Direction cosines/ratios of vectors. Types of vectors (equal, unit, zero, parallel and collinear vectors etc.), position vector of a point, negative of a vector, components of a vector, addition of

vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Scalar (dot) product of vectors, projection of a vector on a line. Vector (cross) product of vectors. Scalar and Vector triple product and problems related to them.

11. Statistics and Probability:

Mean, median, mode of grouped and ungrouped data, calculation of standard deviation, variance and mean deviation for grouped and ungrouped data. Probability: Probability of an event, addition and multiplication theorems of probability, conditional probability, Bayes' theorem, probability distribution of a random variate, Bernoulli trials and binomial distribution.

Part-II Graduation Standard:

1. **Abstract Algebra**:

   Definition and example of groups. General properties of groups, Order of an element of a group. Cyclic group, Permutations: Even and Odd permutations. Groups of permutations. Cyclic permutation, Alternating group. Subgroups, Cosets, Lagrange's theorem, Normal subgroup, Conjugate elements, conjugate complexes, Centre of a group, Simple group, Normaliser of an element and of a complex. Quotient Groups. Group homomorphism and isomorphism with elementary basic properties, fundamental theorem of homomorphism in groups. Isomorphism theorems of groups. Cayley's theorem.

2. **Real Analysis:**

   Real numbers as a complete ordered field, linear sets, lower and upper bounds, limit points, closed and open sets, Real sequence, limit and convergence of a sequence, convergence of series, tests for convergence of a series, absolute convergence, uniform convergence of sequence and series of functions.

3. **Complex Analysis:**

   Functions, Limits, continuity and differentiability of complex functions. Concept of an analytic function, Cartesian and Polar form of Cauchy-Riemann equations. Harmonic function, Conjugate function, Conformal mapping.

4. **Advance Calculus:**

   Polar Co-ordinates. Angle between radius vector and the tangent. Angle between two curves in polar form. Length of polar tangent, sub-tangent, normal and subnormal, Pedal equation of a curve, Derivatives of an arc. Curvature, various formulae, Centre of curvature and chord of curvature and related problems. Partial differentiation, Euler's theorem on homogeneous functions, Chain rule of partial differentiation, total differentiation, Maxima and Minima of functions of two

independent variables and of three variables connected by a relation, Lagrange's Method of undetermined multipliers. Asymptotes, double points, curve tracing, Envelopes and evolutes. Theory of Beta and Gamma functions. Differentiation and integration under the sign of integration. Double integral, change of order of integration and changing into polar co-ordinates, applications in finding areas, triple integral, application to find volume. Dirichlet's integral. Quadrature and Rectification. Volume and Surface area of solids of revolution.

5. **Differential Equations:**
   Ordinary differential equations of first order and first degree, differential equations of first order but not of first degree, Clairaut's equations, general and singular solutions, linear differential equations with constant coefficients, homogeneous differential equation, second order linear differential equations, simultaneous linear differential equations of first order.

6. **Vector Calculus:**
   Vector differentiation: Curl, Gradient and Divergence & Identities involving these operators and related problems. Vector integration: line and surface integral, Problems based on Stoke, Green and Gauss theorems.

7. **Analytical Geometry of Three dimensions:**
   - **(i)** Sphere: General Equation, Tangent Plane, Pole and Polar, Intersection of two spheres.
   - **(ii)** Cone: Enveloping cone, Tangent plane, Reciprocal cone, Three mutually Perpendicular generators, right circular cone.
   - **(iii)** Cylinder: Right circular cylinder, Enveloping cylinder.

8. **Statics and Dynamics:**
   Composition and resolution of co-planer forces, component of a force in two given directions, equilibrium of concurrent forces, parallel forces and moment, velocity and acceleration, simple linear motion under constant acceleration, Laws of motion, projectile.

9. **Linear Programming:**
   Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constrains). Convex sets and their properties. Simplex Method. Concepts of duality in linear programming. Framing of dual programming. Assignment problems, Transportation problems.

10. Numerical Analysis and Difference Equation:

Difference operators and factorial notation, Differences of polynomial, Newton's formulae for forward and backward interpolations. Divided differences, relation between divided differences and Simple difference. Newton's general interpolation formulae, Lagrange interpolation formula. Central differences, Gauss, Stirling and Bessel interpolation formulae. Numerical Differentiation. Numerical integration, Newton-Cotes quadrature formula, Gauss's quadrature formulae, Trapezoidal, Simpson's and Weddle's rules, Estimation of errors, Solution of Algebraic and Transcendental equations, bisection method, iteration method, Regula Falsi and Newton Raphson methods. Solution of linear difference equations with constant and variable coefficients. First and higher order homogeneous linear difference equations, non-homogenous linear difference equations, Complementary functions, Particular integral.

Part-III Teaching Methods

1. Meaning and Nature of Mathematics. Mathematics as in National Curriculum framework (NCF), Linkage of Mathematics with other school subjects curriculum.
2. Contribution of Indian knowledge system in development of Mathematics.
3. General and Specific objectives of Mathematics Teaching and Bloom Taxonomy.
4. Methods and approaches of Mathematics Teaching (analytic, synthetic, inductive, deductive, Project & Laboratory).
5. Supervised study, Programmed Learning, Experiential and Constructive Learning in Mathematics.
6. Importance & meaning of Lesson Plan (Herbertian Approach), Unit Plan (Morrison Approach).
7. Audio-Visual aids in Mathematics. Technological Pedological content knowledge (TPCK)
8. Academic & Professional characteristics of Mathematics Teacher.
9. Importance and characteristics of Unit test, Achievement test, Diagnostic test and steps of their preparation. Concept of 360 degree assessment in Mathematics.

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(iii) Teaching Methods of relevant subject.

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER SECONDARY EDUCATION DEPARTMENT

PAPER-II
संस्कृतम्

प्रथमः भागः माध्यमिक-उच्चमाध्यमिकस्तरः

1. लघुसिद्धान्तकौमुदी-सञ्ज्ञाप्रकरणतः सामान्यप्रश्नाः -

माहेश्वरसूत्राणि, इत्, लोपः, प्रत्याहारसंज्ञा, स्वरभेदाः, सवर्णम्, उच्चारणस्थानानि, संहिता, संयोगः, पदम्॥

2. निम्नलिखित-सन्धिसूत्रानुसारं सन्धिः सन्धिविच्छेदश्च –

- **अच्सन्धिः -** इको यणचि, एचोऽयवायावः, आद् गुणः, उरण् रपरः, वृद्धिरेचि, एङि पररूपम्, अकः सवर्णे दीर्घः, एङः पदान्तादति, ईदूदेद् द्विवचनं प्रगृह्यम्॥
- **हल् सन्धिः** - स्तोः श्चुना श्चुः, ष्टुना ष्टुः, झलां जशोऽन्ते, यरोऽनुनासिकेऽनुनासिको वा, तोर्लि, झयो होऽन्यतरस्याम्, शश्छोऽटि, मोऽनुस्वारः, अनुस्वारस्य ययि परसवर्णः॥
- **विसर्गसन्धिः** - विसर्जनीयस्य सः, खरवसानयोर्विसर्जनीयः, ससजुषो रुः, अतो रोरप्लुतादप्लुते, हशि च, रो रि, ढ्रलोपे पूर्वस्य दीर्घोऽणः॥

3. समासानां परिचय-समास-विग्रह-प्रश्नाः –

अव्ययीभावः, तत्पुरुषः, कर्मधारयः, द्विगुः, द्वन्द्वः बहुव्रीहिश्च॥

4. प्रत्ययाधारिताः प्रश्नाः -

तव्यत्, अनीयर्, यत्, ण्यत्, क्यप्, ण्वुल्, तृच्, णिनि, क्त, क्तवतु, शतृ, शानच्, तुमुन्, क्त्वा, ल्यप्, ल्युट्, घञ्, क्तिन्, मतुप्, वतुप्, त्व, तल्, ष्यञ्, तरप्, तमप्, इतच्, तसिल्, टाप्, ङीप्, ङीष्॥

5. शब्द-रूपाणि -

राम, हरि, पति, गुरु, पितृ, गच्छत्, राजन्। रमा, मति, नदी, धेनु, वधू, मातृ, सरित्, वाच् । फल, वारि, मधु, मनस्, नामन्। अस्मद्, युष्मद्। तत्, इदम्, सर्व (त्रिषु लिङ्गेषु)।

6. पञ्चलकारेषु धातुरूपाणि (लट्, लृट्, लोट्, लङ्, विधिलिङ्) -

परस्मैपदी - भू, नम्, गम्, पच्, नी, दृश्, स्था, पा, प्रच्छ्, लिख्, अस्, हन्, दा, नृत्, क्रुध्, शक्, क्री, ज्ञा, चुर्।

आत्मनेपदी - लभ्, सेव्।

उभयपदी - कृ, याच्।

7. अव्ययपद-सम्बन्धि-सामान्यप्रश्नाः -

अत्र, तत्र, अद्य, ह्यः, श्वः, इत्थम्, इदानीम्, शनैः, उच्चैः, नीचैः, अपि, कथम्, पुनः, यथा, तथा, धिक्, प्रातः, सायम्, चिरम्, किमर्थम्, कुतः, कदा, च॥

8. उपसर्ग-सम्बन्धि-सामान्यप्रश्नाः -

प्र, परा, अप, सम्, अनु, दुर्, दुस्, वि, आङ्, अति, सु, प्रति, परि, उप, निर्, निस्, अधि॥

9. अशुद्धि-संशोधनं संस्कृतानुवादश्च –

- कारक-विभक्त्याधारितम् अशुद्धिसंशोधनम् ।
- हिन्दीतः संस्कृतानुवादः।

10. वाच्यपरिवर्तनम् (लट्-लकारः), लिङ्गानुसारं संख्याज्ञानम् (1तः100 पर्यन्तम्), पूरणप्रत्ययान्तसंख्याप्रयोगः॥

11. संस्कृतव्यावहारिकशब्दाधारित-सामान्यप्रश्नाः –

- पशु-पक्षी-फल-शाक-नामानि।
- पारिवारिक-सम्बन्धसूचकपदानि।

द्वितीयः भागः स्नातकस्तरः -

1. निम्नलिखितानां सूत्राणां सामान्यपरिचयात्मकप्रश्नाः वाक्यप्रयोगाश्च -

प्रातिपदिकार्थ-लिङ्ग-परिमाण-वचनमात्रे प्रथमा। कर्तुरीप्सिततमं कर्म, कर्मणि द्वितीया, अधिशीङ्स्थासां कर्म, अकथितञ्च, उपान्वध्याङ् वसः, अभितः परितः समया निकषा हा-प्रतियोगेऽपि, कालाध्वनोरत्यन्तसंयोगे। साधकतमं करणम्, कर्तृकरणयोस्तृतीया, हेतौ, अपवर्गे तृतीया, येनाङ्गविकारः, सहयुक्तेऽप्रधाने। कर्मणा यमभिप्रैति स संप्रदानम्, चतुर्थी सम्प्रदाने, रुच्यर्थानां प्रीयमाणः, धारेरुत्तमर्णः, क्रुधदुहेर्ष्यासूयार्थानां यं प्रति कोपः, नमः स्वस्ति स्वाहा स्वधाऽलं वषड् योगाच्च। ध्रुवमपायेऽपादानम्, अपादाने पञ्चमी, भीत्रार्थानां भयहेतुः, आख्यातोपयोगे, जनिकर्तुः प्रकृतिः, भुवः प्रभवः। षष्ठी शेषे, कर्तृकर्मणोः कृतिः, षष्ठी चानादरे। आधारोऽधिकरणम्, सप्तम्यधिकरणे च, यतश्चनिर्धारणम्, यस्य च भावेन भावलक्षणम्॥

2. निम्नलिखितानां छन्दसां सामान्यपरिचयात्मकप्रश्नाः -

आर्या, अनुष्टुप्, इन्द्रवज्रा, उपेन्द्रवज्रा, उपजातिः, वंशस्थम्, द्रुतविलम्बितम्, भुजङ्गप्रयातम्, वसन्ततिलका, मालिनी, मन्दाक्रान्ता, शिखरिणी, हरिणी, शार्दूलविक्रीडितम्, स्रग्धरा, पुष्पिताग्रा॥

3. निम्नलिखितानाम् अलङ्काराणां लक्षणोदाहरणसम्बन्धिसामान्यप्रश्नाः -

अनुप्रासः, यमकम्, श्लेषः, स्वभावोक्तिः, उपमा, अनन्वयः, रूपकम्, उत्प्रेक्षा, व्यतिरेकः सन्देहः, भान्तिमान्, निदर्शना, दृष्टान्तः, अर्थान्तरन्यासः, दीपकम्, तुल्ययोगिता, समासोक्तिः, विभावना, विशेषोक्तिः॥

4. वैदिकसाहित्यस्य सामान्यपरिचयः –

वेदाः, उपवेदाः, ब्राह्मणग्रन्थाः, आरण्यकग्रन्थाः उपनिषदश्च॥

5. निम्नलिखितसूक्तेभ्यः ग्रन्थेभ्यश्च सामान्यप्रश्नाः -

(क) ऋग्वेदः - अग्निसूक्तम् (1.1), वरुणसूक्तम् (1.25), इन्द्रसूक्तम् (2.12), पुरुषसूक्तम् (10.90), प्रजापतिसूक्तम् (10.121), सञ्ज्ञानसूक्तम् (10.191)

(ख) श्रीमद्भगवद्गीता (द्वितीयोऽध्यायः)

(ग) ईशोपनिषद्

(घ) अभिज्ञानशाकुन्तलम्

(ङ) शुकनासोपदेशः

6. भारतीयसंस्कृतिसम्बन्धिताः प्रश्नाः –

वर्णव्यवस्था, आश्रमव्यवस्था, षोडशसंस्काराः, पञ्चमहायज्ञाः, त्रिविधम् ऋणम्, भारतीयसंस्कृतेः विशेषताः॥

7. निम्नलिखितानां महाकवीनां व्यक्तित्व-कृतित्व-सम्बन्धिसामान्यपरिचयात्मकप्रश्नाः –

(क) महाकाव्यकवयः -

वाल्मीकिः, वेदव्यासः, अश्वघोषः, कालिदासः भारविः, माघः, श्रीहर्षः।

(ख) गद्यकाव्यकवयः -

दण्डी, सुबन्धुः, बाणभट्टः, अम्बिकादत्तव्यासः।

(ग) नाट्यकवयः -

भासः, कालिदासः, भवभूतिः, शूद्रकः, विशाखदत्तः।

(घ) नीतिकवयः -

भर्तृहरिः, पं. विष्णुशर्मा, नारायणपण्डितः।

(ङ) **अर्वाचीनकवयः -**

भट्टमथुरानाथशास्त्री, देवर्षिः कलानाथशास्त्री, डॉ. प्रभाकरशास्त्री, पं. पद्मशास्त्री, पं. सूर्यनारायणशास्त्री, डॉ. हरिराम आचार्यः॥

तृतीयः भागः शिक्षण-विधयः

1. भाषाकौशलसम्बद्धाः प्रश्नाः –

(क) पठनकौशलाभिवृद्धिविषयकाः विधयः
(ख) लेखनकौशलाभिवृद्धिविषयकाः विधयः
(ग) वदनकौशलाभिवृद्धिविषयकाः विधयः
(घ) श्रवणकौशलाभिवृद्धिविषयकाः विधयः

2. **अध्यापनविधिसम्बद्धाः प्रश्नाः –**

(क) व्याकरणशिक्षणम्
(ख) गद्यशिक्षणम्
(ग) पद्यशिक्षणम्
(घ) नाटकशिक्षणम्
(ङ) अनुवादशिक्षणम्
(च) रचनाशिक्षणम्

3. **अध्यापनकौशलसम्बद्धाः प्रश्नाः –**

(क) पाठ–प्रस्तावना
(ख) व्याख्या
(ग) श्यामपट्टोपयोगम्
(घ) दृष्टान्तम्
(ङ) प्रश्नोत्तरम्
(च) प्रदर्शनम्

4. **पाठयोजनासम्बद्धाः प्रश्नाः –**

(क) गद्यपाठयोजना
(ख) पद्यपाठयोजना
(ग) व्याकरणपाठयोजना
(घ) अनुवादपाठयोजना
(ङ) नाट्यपाठयोजना
(च) रचनापाठयोजना

For the competitive examination for the post of Senior Teacher:-

1. The question paper will carry maximum **300 marks**.
2. Duration of question paper will be **Two Hours Thirty Minutes**.
3. The question paper will carry **150 questions** of multiple choices.
4. Negative marking shall be applicable in the evaluation of answers. For every one third of the marks prescribed for that particular question shall be deducted.
5. Paper shall include following subjects:-

(i) Knowledge of Secondary and Senior Secondary Standard about relevant subject matter.
(ii) Knowledge of Graduation Standard about relevant subject matter.
(iii) Teaching Methods of relevant subject.

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER SECONDARY EDUCATION DEPARTMENT

PUNJABI

PAPER- II

(ੳ) ਸੈਕੰਡਰੀ ਅਤੇ ਸੀਨੀਅਰ ਸੈਕੰਡਰੀ ਪੱਧਰ

1. ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ

ਭਾਸ਼ਾ: ਪਰਿਭਾਸ਼ਾ, ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ
ਪੰਜਾਬੀ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ: ਮਾਝੀ, ਮਲਵਈ, ਦੁਆਬੀ, ਪੁਆਧੀ:
ਵਿਸ ਼ੇਸ਼ਤਾਵਾਂ, ਖੇਤਰ, ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ

2. ਧੁਨੀ ਬੋਧ

ਧੁਨੀ ਅਤੇ ਪੰਜਾਬੀ-ਧੁਨੀਆਂ, ਪੰਜਾਬੀ ਸਵਰ ਤੇ ਵਿਅੰਜਨ ਧੁਨੀਆਂ: ਪਛਾਣ ਅਤੇ ਵਰਗੀਕਰਨ

3. ਲਿਪੀ ਬੋਧ

ਲਿਪੀ, ਗੁਰਮੁਖੀ ਲਿਪੀ ਅਤੇ ਵਰਨਮਾਲਾ
ਗੁਰਮੁਖੀ ਦੀਆਂ ਲਗਾਂ-ਮਾਤਰਾਂ, ਲਗਾਖਰ, ਸੰਯੁਕਤ ਅੱਖਰ: ਸਰੂਪ ਤੇ ਵਰਤੋਂ ਨੇਮ

4. ਸ਼ਬਦ ਬੋਧ (ਪਰਿਭਾਸ਼ਕ ਤੇ ਵਿਹਾਰਕ ਅਧਿਐਨ)

(ੳ) ਸ਼ਬਦ-ਭੇਦ (ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ) –

ਨਾਂਵ, ਪੜਨਾਂਵ, ਵਿਸ਼ੇਸ਼ਣ, ਕਿਰਿਆ, ਕਿਰਿਆ-ਵਿਸ਼ੇਸ਼ਣ, ਸੰਬੰਧਕ, ਯੋਜਕ, ਵਿਸਮਕ

(ਅ) ਸ਼ਬਦ ਰਚਨਾ - ਮੂਲ ਸ਼ਬਦ, ਸਮਾਸੀ ਸ਼ਬਦ, ਉਤਪੰਨ ਸ਼ਬਦ (ਅਗੇਤਰ-ਪਿਛੇਤਰ)

(ਏ) ਵਿਆਕਰਨਕ ਇਕਾਈਆਂ - ਲਿੰਗ, ਵਚਨ, ਕਾਰਕ, ਕਾਲ

5. ਵਾਕ ਬੋਧ

ਉਦੇਸ਼, ਵਿਧੇਅ, ਵਾਕ-ਵਿਉਂਤ, ਵਾਕਾਂਸ਼, ਉਪਵਾਕ, ਵਾਕ-ਬਣਤਰ, ਵਾਕ-ਵੰਡ

6. ਅਰਥ ਬੋਧ

ਬਹੁ-ਅਰਥਕ ਸ਼ਬਦ, ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ, ਵਿਰੋਧੀ ਸ਼ਬਦ, ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇਕ ਸ਼ਬਦ

7. ਅਣਡਿੱਠਾ ਪੈਰ੍ਹਾ (ਕਾਵਿ ਅਤੇ ਵਾਰਤਕ): ਸਿਰਲੇਖ, ਵਿਸ਼ਾ-ਵਸਤੂ ਬੋਧ, ਭਾਵਾਰਥ ਅਤੇ ਸ਼ਬਦਾਰਥ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਪ੍ਰਸ਼ਨ

8. ਵਿਸ਼ਰਾਮ-ਚਿੰਨ੍ਹ

9. ਅਖਾਣ ਅਤੇ ਮੁਹਾਵਰੇ

10. ਰਸ: ਨੌਂ ਰਸ: ਪਰਿਭਾਸ਼ਾ, ਲੱਛਣ, ਪ੍ਰਕਾਰ, ਉਦਾਹਰਨ

11. ਛੰਦ: ਦੋਹਿਰਾ, ਚੌਪਈ, ਕੋਰੜਾ, ਕਬਿੱਤ, ਦਵਈਆ, ਬੈਂਤ: ਪਰਿਭਾਸ਼ਾ, ਲੱਛਣ, ਪ੍ਰਕਾਰ, ਉਦਾਹਰਨ

12. ਅਲੰਕਾਰ: ਉਪਮਾ, ਅਤਿਕਥਨੀ, ਅਨੁਪ੍ਰਾਸ, ਦ੍ਰਿਸ਼ਟਾਂਤ: ਪਰਿਭਾਸ਼ਾ, ਲੱਛਣ, ਪ੍ਰਕਾਰ, ਉਦਾਹਰਨ

13. ਸਾਹਿਤ ਰੂਪ: ਕਾਫ਼ੀ, ਵਾਰ, ਕਿੱਸਾ, ਕਵਿਤਾ, ਗੀਤ, ਗ਼ਜ਼ਲ, ਨਾਟਕ, ਇਕਾਂਗੀ, ਨਾਵਲ, ਨਿੱਕੀ

ਕਹਾਣੀ, ਜੀਵਨੀ, ਸਫ਼ਰਨਾਮਾ ਅਤੇ ਰੇਖਾ-ਚਿਤਰ: ਅਰਥ, ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਤੱਤ

14. ਲੋਕ ਸਾਹਿਤ ਰੂਪ: ਲੋਰੀ, ਸੁਹਾਗ, ਘੋੜੀ, ਸਿੱਠਣੀ, ਅਲਾਹੁਣੀ, ਟੱਪਾ, ਬੁਝਾਰਤ: ਸਰੂਪ ਅਤੇ ਵੰਨਗੀਆਂ

15. ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ: ਮੇਲੇ-ਤਿਉਹਾਰ, ਪੰਜਾਬੀ ਲੋਕ ਨਾਚ, ਪੰਜਾਬੀ ਲੋਕ ਖੇਡਾਂ: ਸਰੂਪ ਅਤੇ ਵੰਨਗੀਆਂ

16. ਪੰਜਾਬੀ ਲੋਕ ਕਹਾਣੀ: ਨੀਤੀ-ਕਥਾਵਾਂ, ਪਰੀ-ਕਥਾਵਾਂ, ਦੰਦ ਕਥਾਵਾਂ: ਸਰੂਪ ਅਤੇ ਵੰਨਗੀਆਂ

(ਅ) ਗ੍ਰੈਜੂਏਸ਼ਨ ਪੱਧਰ

(I) ਆਦਿ ਅਤੇ ਮਧਕਾਲੀਨ ਪੰਜਾਬੀ ਸਾਹਿਤ

1. ਬਾਣੀਕਾਰ (ਗੁਰਮਤਿ ਕਾਵਿ)

ਗੁਰੂ ਨਾਨਕ ਦੇਵ: ਜਪੁ, ਸਿਧ ਗੋਸਟਿ, ਪਟੀ, ਬਾਬਰ ਬਾਣੀ, ਬਾਰਹ ਮਾਹ ਤੁਖਾਰੀ ਅਤੇ ਵਾਰਾਂ
ਗੁਰੂ ਅਰਜਨ ਦੇਵ: ਬਾਵਨ ਅਖਰੀ, ਸੁਖਮਨੀ, ਬਾਰਹ ਮਾਹ ਮਾਂਝ ਅਤੇ ਵਾਰਾਂ
ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ: ਸ਼ਬਦ ਅਤੇ ਸਲੋਕ

2. ਸੂਫ਼ੀ ਕਵੀ

ਸ਼ੇਖ ਫ਼ਰੀਦ: ਸ਼ਬਦ ਤੇ ਸਲੋਕ
ਸ਼ਾਹ ਹੁਸੈਨ: ਕਾਫ਼ੀਆਂ
ਸੁਲਤਾਨ ਬਾਹੂ: ਸੀਹਰਫ਼ੀਆਂ
ਮੀਆਂ ਵਜੀਦ: ਸਲੋਕ
ਬੁੱਲ੍ਹੇ ਸ਼ਾਹ: ਕਾਫ਼ੀਆਂ

3. ਕਿੱਸਾ ਕਵੀ

ਦਮੋਦਰ: ਹੀਰ
ਪੀਲੂ: ਮਿਰਜ਼ਾ-ਸਾਹਿਬਾਂ
ਵਾਰਿਸ ਸ਼ਾਹ: ਹੀਰ
ਹਾਸ਼ਮ ਸ਼ਾਹ: ਦੋਹੜੇ, ਡਿਉਢ, ਸੱਸੀ-ਪੁੰਨੂੰ
ਕਾਦਰ ਯਾਰ: ਪੂਰਨ ਭਗਤ, ਸੀਹਰਫ਼ੀ ਸਰਦਾਰ ਹਰੀ ਸਿੰਘ ਨਲੂਆ
ਫ਼ਜ਼ਲ ਸ਼ਾਹ: ਸੋਹਣੀ-ਮਹੀਵਾਲ

4. ਵਾਰ ਤੇ ਜੰਗਨਾਮਾ ਕਵੀ

ਭਾਈ ਗੁਰਦਾਸ: ਵਾਰਾਂ
ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ: ਚੰਡੀ ਦੀ ਵਾਰ
ਨਜਾਬਤ: ਵਾਰ ਨਾਦਰ ਸ਼ਾਹ
ਸ਼ਾਹ ਮੁਹੰਮਦ: ਜੰਗਨਾਮਾ ਸਿੰਘਾਂ ਤੇ ਫ਼ਰੰਗੀਆਂ
ਪੀਰ ਮੁਹੰਮਦ: ਚੌਠਿਆਂ ਦੀ ਵਾਰ

(II) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਸਾਹਿਤ

1. ਪੰਜਾਬੀ ਕਵਿਤਾ

ਭਾਈ ਵੀਰ ਸਿੰਘ, ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਿਕ, ਪ੍ਰੋ. ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ, ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਅਵਤਾਰ ਪਾਸ਼, ਸੰਤ ਰਾਮ ਉਦਾਸੀ, ਸੁਰਜੀਤ ਪਾਤਰ, ਜਸਵੰਤ ਜ਼ਫ਼ਰ: ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ਰੂਪਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

2. ਪੰਜਾਬੀ ਨਾਵਲ

ਨਾਨਕ ਸਿੰਘ, ਜਸਵੰਤ ਸਿੰਘ ਕੰਵਲ, ਸੋਹਣ ਸਿੰਘ ਸੀਤਲ, ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ, ਰਾਮ ਸਰੂਪ ਅਣਖੀ, ਗੁਰਦਿਆਲ ਸਿੰਘ, ਕਰਮਜੀਤ ਸਿੰਘ ਕੁੱਸਾ: ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ਰੂਪਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

3. ਪੰਜਾਬੀ ਨਿੱਕੀ ਕਹਾਣੀ

ਸੁਜਾਨ ਸਿੰਘ, ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਕਰਤਾਰ ਸਿੰਘ ਦੁੱਗਲ, ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ, ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ, ਅਜੀਤ ਕੌਰ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼, ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ, ਗੁਰਬਚਨ ਸਿੰਘ ਭੁੱਲਰ: ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ ਰੂਪਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

4. ਪੰਜਾਬੀ ਨਾਟਕ, ਇਕਾਂਗੀ ਤੇ ਰੰਗਮੰਚ

ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ, ਹਰਚਰਨ ਸਿੰਘ, ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਆਤਮਜੀਤ, ਅਜਮੇਰ ਸਿੰਘ ਔਲਖ, ਗੁਰਸ਼ਰਨ ਸਿੰਘ, ਸੁਰਜੀਤ ਸਿੰਘ ਸੇਠੀ, ਸਵਰਾਜਬੀਰ: ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ਰੰਗਮੰਚੀ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

5. ਪੰਜਾਬੀ ਵਾਰਤਕ

(ੳ) ਨਿਬੰਧ-

ਪ੍ਰੋ. ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰਿੰ. ਤੇਜਾ ਸਿੰਘ, ਪ੍ਰੋ. ਸਾਹਿਬ ਸਿੰਘ, ਗਿਆਨੀ ਗੁਰਦਿੱਤ ਸਿੰਘ, ਸੋਹਿੰਦਰ ਸਿੰਘ ਵਣਜਾਰਾ ਬੇਦੀ, ਪ੍ਰਿੰ. ਸਰਵਣ ਸਿੰਘ : ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ਵਿਧਾਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

(ਅ) ਸਫ਼ਰਨਾਮਾ-

ਲਾਲ ਸਿੰਘ ਕਮਲਾ ਅਕਾਲੀ, ਬਲਰਾਜ ਸਾਹਨੀ, ਮਨਮੋਹਨ ਬਾਵਾ : ਰਚਨਾਵਾਂ, ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ ਵਿਧਾਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

(ਏ) ਸਵੈ-ਜੀਵਨੀ-

ਨਾਨਕ ਸਿੰਘ (ਮੇਰੀ ਦੁਨੀਆ), ਪ੍ਰਿੰ: ਤੇਜਾ ਸਿੰਘ (ਆਰਸੀ), ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ (ਰਸੀਦੀ ਟਿਕਟ), ਸੋਹਣ ਸਿੰਘ ਸੀਤਲ (ਵੇਖੀ ਮਾਣੀ ਦੁਨੀਆਂ), ਮਹਿੰਦਰ ਸਿੰਘ ਰੰਧਾਵਾ (ਆਪ ਬੀਤੀ), ਡਾ. ਸਰਦਾਰਾ ਸਿੰਘ ਜੌਹਲ (ਰੰਗਾਂ ਦੀ ਗਾਗਰ): ਪ੍ਰਮੁੱਖ ਵਿਸ਼ੇਗਤ/ਵਿਧਾਗਤ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਸਾਹਿਤਕ ਯੋਗਦਾਨ ਅਤੇ ਪ੍ਰਾਪਤੀਆਂ

(III) ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ: ਵਿਲੱਖਣਤਾ, ਪਛਾਣ-ਚਿੰਨ੍ਹ

(IV) ਪੰਜਾਬੀ ਰੀਤਾਂ ਰਸਮਾਂ: ਜਨਮ, ਵਿਆਹ, ਮੌਤ

(V) ਪੰਜਾਬੀ ਭਾਸ਼ਾ: ਨਿਕਾਸ, ਵਿਕਾਸ, ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

(VI) ਗੁਰਮੁਖੀ ਲਿਪੀ : ਜਨਮ, ਵਿਕਾਸ, ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

(ਏ) ਅਧਿਆਪਨ-ਸਿੱਖਣ ਪ੍ਰਕਿਰਿਆ ਪੱਧਰ

1. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਧਿਆਪਨ ਦੇ ਸਿਧਾਂਤ, ਸੂਤਰ ਅਤੇ ਉਦੇਸ਼

2. ਭਾਸ਼ਾਈ ਕੌਸ਼ਲਾਂ (ਸੁਣਨਾ, ਬੋਲਣਾ, ਪੜ੍ਹਨਾ, ਲਿਖਣਾ) ਦੀ ਸਿੱਖਿਆ ਅਤੇ ਵਿਕਾਸ; ਦੇਖਣ-ਸੁਣਨ ਸਾਧਨ ਤੇ ਭਾਸ਼ਾ ਸਿੱਖਿਆ, ਭਾਸ਼ਾ ਸਿੱਖਿਆ ਵਿਚ ਮੁਲਾਂਕਣ ਅਤੇ ਪਾਠ-ਯੋਜਨਾ

3. ਭਾਸ਼ਾ ਅਤੇ ਸਾਹਿਤ ਅਧਿਆਪਨ ਦੀਆਂ ਵਿਧੀਆਂ (ਪ੍ਰਣਾਲੀਆਂ)
   (ਓ) ਕਵਿਤਾ (ਅ) ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ (ਏ) ਨਾਵਲ ਤੇ ਨਿੱਕੀ ਕਹਾਣੀ
   (ਸ) ਨਿਬੰਧ (ਹ) ਸਫ਼ਰਨਾਮਾ (ਕ) ਜੀਵਨੀ ਤੇ ਸਵੈ-ਜੀਵਨੀ
   (ਖ) ਪੰਜਾਬੀ ਵਿਆਕਰਨ

4. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਧਿਆਪਕ, ਪਾਠ-ਪੁਸਤਕ, ਭਾਸ਼ਾ-ਪੁਸਤਕਾਲਾ ਅਤੇ ਭਾਸ਼ਾ-ਪ੍ਰਯੋਗਸ਼ਾਲਾ : ਸਰੂਪ, ਉਦੇਸ਼ ਅਤੇ ਮਹੱਤਵ

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For the competitive examination for the post of Senior Teacher :-

The question paper will carry maximum **300 marks**.

1. Duration of question paper will be T**wo Hours Thirty Minutes**.
2. The question paper will carry **150 questions** of multiple choices.
3. Negative marking shall be applicable in the evaluation of answers. For every wrong answer one third of the marks prescribed for that particular question shall be deducted.
4. Paper shall include following subjects :-

(i) Knowledge of Secondary and Senior Secondary Standard about relevant subject matter.
(ii) Knowledge of Graduation Standard about relevant subject matter.
(iii) Teaching Methods of relevant subject.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT

ગુજરાતી

Paper- II

PART – (i) માધ્યમિક અને ઉચ્ચ. માધ્યમિક સ્તર સંબંધિત અભ્યાસક્રમ :

ગુજરાતી વ્યાકરણ :-

- સંજ્ઞા	- સંધિ	- અલંકાર
- સર્વનામ	- સમાસ	- છંદ
- વિશેષણ	- શબ્દસમૂહ માટે એક શબ્દ	- રૂઢિપ્રયોગો
- કાળ	- વિરુદ્ધાર્થી શબ્દો	- કહેવતો
- લિંગ/વચન	- પર્યાયવાચી/સમાનાર્થી શબ્દો	- વિભક્તિ
- જોડણીશુદ્ધિ	- તળપદા શબ્દો	- દ્વિરુક્તિ અને રવાનુકારી
- વાક્ય પરિવર્તન	- કૃદંત	- શબ્દકોશ ક્રમ
- ક્રિયાપદ	- નિપાત	- અવ્યય
- ક્રિયાવિશેષણ	- ઉપસર્ગ/પૂર્વ પ્રત્યય અને પર પ્રત્યય	- સંયોજકો
- વિરામચિહ્નો	- વર્ણભેદે અર્થભેદે શબ્દો	- વાક્યના પ્રકારો
- ધ્વનિશ્રેણી	- સ્વર અને વ્યંજનો	

PART – (ii) ગુજરાતી વિષયનું સ્નાતક સ્તર સુધીનું સામાન્ય જ્ઞાન :

(A)

- ગુજરાતી ભાષા : ઉદ્ભવ – વિકાસક્રમ – રાજકીય-સામાજિક પશ્ચાદભૂ – વિશિષ્ટતાઓ – મર્યાદાઓ – ઉચ્ચારણ પ્રક્રિયા અને વાક્ અવયવો – ભાષાના ધ્વનિઘટકો – ગુજરાતની પ્રાદેશિક બોલીઓ
- મધ્યકાલીન સાહિત્ય સ્વરૂપો – સાહિત્યકારો
- સાહિત્ય સ્વરૂપો : પદ, રાસ-રાસો, ફાગ-ફાગુ, આખ્યાન, પ્રબંધ, કાફી, છપ્પા, પદ્યવાર્તા, ગરબા-ગરબી, ચાબખા

- સાહિત્યકારો : નરસિંહ મહેતા, મીરાંબાઈ , પ્રેમાનંદ, અખો, દયારામ, ભોજા ભગત, ધીરા ભગત, વલ્લભ મેવાડો
- લોકસાહિત્ય : લોકસાહિત્યના પદ્ય અને ગદ્ય સ્વરૂપો, ચારણી લોકસાહિત્ય
  - જૈન અને જૈનેતર સર્જકોનું સાહિત્ય
  - મધ્યકાલીન ગુજરાતી ભક્તિ અને જ્ઞાનમાર્ગી સાહિત્ય – ધર્મ પ્રધાન સાહિત્ય છે.

(B) અર્વાચીન ગુજરાતી સાહિત્ય :

- સુધારકયુગ – સાક્ષર યુગ (પંડિત યુગ) – ગાંધીયુગ – સ્વાતંત્ર્યોત્તર યુગ (અનુગાંધીયુગ) – આધુનિક અને અનુઆધુનિક યુગના સંદર્ભમાં
- અર્વાચીન ગુજરાતી સાહિત્ય સ્વરૂપો :
  - નવલકથા
  - નવલિકા (ટૂંકીવાર્તા)
  - લલિત નિબંધ
  - નાટક/એકાંકી
  - લઘુકથા
  - ઊર્મિકાવ્ય/ગીત
  - ગઝલ
  - સોનેટ
  - ખંડકાવ્ય
  - મુક્તક
  - હાઇકુ

PART – (iii) ગુજરાતી વિષય શિક્ષણ વિધિ (પદ્ધતિ)નું જ્ઞાન.

- ગુજરાતી ભાષાશિક્ષણ :
  - ભાષાનું સ્વરૂપ અને અધ્યયન પ્રક્રિયા
  - ભાષાવિકાસને અસર કરતાં પરિબળો
  - માતૃભાષા શિક્ષણ : અર્થ, સંકલ્પના, મહત્ત્વ
  - ભાષા શિક્ષણના હેતુઓ
  - શિક્ષણની પરંપરાગત (પદ્ધતિઓ) વિધિ
  - શિક્ષણની આધુનિક (પદ્ધતિઓ) વિધિ
  - વિદ્યાર્થી વ્યવહાર
  - વિદ્યાર્થીના મનોવલણ
  - ભાષા શિક્ષણના કૌશલ્યો (ગુજરાતી ભાષાકીય પ્રાવિણ્ય)
  - ગુજરાતી ભાષા શિક્ષણની પ્રયુક્તિઓ અને પદ્ધતિઓ
  - ભાષાશિક્ષણમાં વ્યાકરણ શિક્ષણનું મહત્ત્વ.

For the competitive examination for the post of **Senior Teacher**:-

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER
SECONDARY EDUCATION DEPARTMENT

सिंधी

PAPER - II

PART-I माध्यमिक व उच्च माध्यमिक स्तर

ग्रामर

- **सिंधी वर्णमाला**
- **स्वर ऐं व्यंजन**
- **अखर**
    - **अखरनि जा उचार**
    - **हर्फ़ सही**
    - **हर्फ़ इलत**
- **संधि**
- **समास**
- **अग्रियाड़ियूं, पछाड़ियूं**
- **जिंस**
- **अददु**
- **ज़िद**
- **साग्री माना वारा लफ़्ज़**
- **ग्राल्हाइण जा अठ लफ़्ज**
    - **इस्मु ऐं उन जा किस्म**
    - **ज़मीर ऐं उन जा किस्म**
    - **सिफ़त ऐं उन जा किस्म**
    - **फ़इलु ऐं उन जा किस्म**
    - **ज़र्फ़ु ऐं उन जा किस्म**
    - **हर्फ़ु ज़र**
    - **हर्फ़ु जुमिलो**
    - **हर्फ़ु निंदा**
- **ज़मानु ऐं उन जा किस्म**
- **जुमिलो ऐं उन जा किस्म**
- **बीहक जूं निशानियूं**
- **शुद्ध लेखन**
- **इस्तलाह ऐं पहाका**
- **अपठित नसुर ऐं नज़्म जा पैराग्राफ़ ऐं उन्हनि ते आधारित सुवाल**
- **मज़मून**

- ख़त ऐं दर्ख़वास्त
- लिख़ण जी क़ाबिलियत
    - फुकिरो
    - रिर्पोटिंग
    - ऑफिस लिखपढ़
    - इश्तहार (विज़ापन)
    - डायरी

PART - II स्नातक स्तर

- सिंधी साहित्य जो इतिहास (विरहाङे खां अगु)
- सिंधी ब्रोली ऐं भाषा जो विकास
- सिंधी भाषा जी ज्राण
- सिंधी ब्रोलीअ जो शब्द भण्डार
- सिंधीअ जूं उपभाषाऊं
- सिंधी कविता जो सफ़रु - वासदेव मोही (सिंधी अकादमी दिल्ली)

- कहाणी
    - ब्रंधन - सुंदरी उत्तमचंदाणी
    - विरहाङे जूं चूंड कहाणियूं - संपादक: कन्हैयालाल लेखवाणी
- नॉविल
    - पखीअड़ा वलर खां विछुड़िया - गोबिंद माल्ही
    - अबो - हरी मोटवाणी
- नाटक
    - विकर्म-उर्वशी - डॉ. दयाल आशा
    - काको कलूमल - मदन जुमानी
- मज़मून
    - चूंड सिंधी मज़मून - कीरत ब्राब्राणी
- आत्म कथा
    - मुंहिंजी हयातीअ जा सोना रोपा वर्क - प्रो. पोपटी हीरानंदाणी
- जीवनी
    - शहीदन जो सरिताज भग्त कंवर राम - राजस्थान सिंधी अकादमी
- सफ़रनामो
    - तूं सिंध में रही पउ - ठाकुर चावला
- छंद
    - दोहो
    - सोरठो
    - ड्रोहीड़ो
    - हाइकू
- अलंकार
- रस

PART - III सिंधी भाषा अध्ययन जी ज्ञाण ऐं तरीका

- **लिपियुनि जी ज्ञाण**
- **तर्जुमो**
- **निजु सिंधी लफ़्ज़नि जी ज्ञाण**
- **सिंधी भाषा ऐं कम्पयूटर**
- **सिंधी ब्राल साहित्य- वाङ्णमल जी शादी - ढोलण राही**
- **सिंधी सभ्यता ऐं संस्कृती**
    - **सिंधी लोक कथाऊं (शाह जूं सत सूरमियूं)**
    - **सिंधी ड्रिण वार**
    - **सिंधी खाधा**
    - **सिंधी ग्रह ग्रठा**
    - **सिंधी रांदियूं**
    - **सिंधी नाच**
- **सिंधी भाषा जे विकास लाइ सिंधी इदारा**
- **शिक्षण कौशल**
- **सिंधी भाषा शिक्षण जूं विधियूं**
- **भाषा शिक्षण में कम ईंदड़ मददी सामग्री**
- **भाषा शिक्षण में सतत ऐं व्यापक छंड छाण (मूल्यांकन)**

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For the competitive examination for the post of **Senior Teacher**:-

1. The question paper will carry maximum **300 marks**.
2. Duration of question paper will be **Two Hours Thirty Minutes**.
3. The question paper will carry **150 questions** of multiple choices.
4. Negative marking shall be applicable in the evaluation of answers. For every wrong answer one third of the marks prescribed for that particular question shall be deducted.
5. Paper shall include following subjects:-
    i. Knowledge of Secondary and Senior Secondary Standard about relevant subject matter.
    ii. Knowledge of Graduation Standard about relevant subject matter.
    iii. Teaching Methods of relevant subject.

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF SENIOR TEACHER, SECONDARY EDUCATION DEPARTMENT

Paper-II

اردو

حصہ اوّل:

ثانوی اور اعلیٰ ثانوی سطح:

- حروف تہجی
- اعراب
- اسم اور اس کی قسمیں
- صفت اور اس کی قسمیں
- فعل اور اس کی قسمیں
- مشتق اور مرکب الفاظ
- جنس
- تعداد
- حالت اور اس کی صورتیں
- مفرد اور مرکب جملے
- رموز واوقاف : سکتہ، وقفہ، رابطہ، تفصیلیہ، ختمہ، واوین، فجائیہ، سوالیہ، خط، قوسین اور زنجیرہ۔
- عرضی نویسی کے طریقے
- مضمون نویسی کے اصول
- خطوط نگاری : نجی خط، سرکاری خط اور تہنیتی خط
- متضاد و مترادفات
- محاورات وضرب الامثال

حصہ دوم:

گریجویشن سطح:

(الف)

- تشبیہ، استعارہ، مجاز مرسل اور کنایہ، ایہام، تجاہل عارفانہ، تضاد، تلمیح، تنسیق الصفات، حسن تعلیل، مبالغہ، لف ونشر، مراعات النظیر، تجنیس اور اشتقاق۔

مندرجہ ذیل کی تعریف:

- غزل، قصیدہ مرثیہ، رباعی، مثنوی، قطعہ، مخمس، مسدس، مربع، معریٰ نظم اور آزاد نظم

(ب)

- دکن میں اردو مثنوی کا ارتقا
- شمالی ہند میں اردو نثر کا ارتقا 1857ء تک
- شمالی ہند میں اردو شاعری کا ارتقا 1857ء تک
- علی گڑھ تحریک کی ادبی خدمات
- جدید شاعری :

i۔ ۔غزل : مندرجہ ذیل شعرا کی غزل گوئی اور سوانح سے متعلق سوالات:
شادؔ عظیم آبادی، فانی بدایونیؔ، اصغر گونڈویؔ، حسرتؔ موہانی، مجروحؔ سلطان پوری، فراق گورکھپوریؔ اور ناصرؔ کاظمی۔

ii۔ نظم : مندرجہ ذیل شعرا کی نظم نگاری اور سوانح سے متعلق سوالات۔
الطاف حسین حالیؔ، علامہ اقبالؔ، جوشؔ ملیح آبادی، اخترؔ شیرانی، ن میم راشدؔ، میراجیؔ، فیض احمد فیضؔ، علی سردار جعفری اور اختر الایمان۔

جدید اردو نثر :

ناول نگاری، افسانہ نگاری، ڈرامہ نگاری، خاکہ نگاری، انشائیہ نگاری اور رپورتاژ نگاری۔

(ج)

- اردو زبان کا آغاز و ارتقا۔
- اردو زبان کی ابتدا سے متعلق مختلف نظریات۔

(د)

مندرجہ ذیل شعرا / ادبا کی شاملِ نصاب تخلیقات سے متعلق سوالات:

میر تقی میرؔ	:	تھا مستعار حسن سے اس کے جو نور تھا	(مکمل غزل)
		اُلٹی ہو گئیں سب تدبیریں کچھ نہ دوا نے کام کیا	(مکمل غزل)
خواجہ میر دردؔ	:	مدرسہ یا دیر تھا یا کعبہ یا بت خانہ تھا	(مکمل غزل)
		تجھی کو جو یاں جلوہ فرمانہ دیکھا	(مکمل غزل)
شیخ امام بخش ناسخؔ	:	مرا سینہ ہے مشرق، آفتابِ داغِ ہجراں کا	(مکمل غزل)
		یہ نور ہے روئے مہ جبیں کا کہ ہو جھلک چاند چودھویں کا	(مکمل غزل)

خواجہ حیدر علی آتش	:	حباب آسا میں دم برتا ہوں تری آشنائی کا	(مکمل غزل)
		فریبِ حسن سے گبر و مسلماں کا چلن بگڑا	(مکمل غزل)
مرزا اسداللہ خاں غالب	:	عشرتِ قطرہ ہے دریا میں فنا ہو جانا	(مکمل غزل)
		محرم نہیں ہے تو ہی نوا ہائے راز کا	(مکمل غزل)
حکیم مومن خاں مومن	:	آخر امید ہی سے چارۂ حرماں ہوگا	(مکمل غزل)
		اثر اُس کو ذرا نہیں ہوتا	(مکمل غزل)
حسرت موہانی	:	نگاہِ یار جسے آشنائے راز کرے	(مکمل غزل)
		حسنِ بے پروا کو خود بین و خود آرا کر دیا	(مکمل غزل)
فانی بدایونی	:	مآلِ سوزِ غم ہائے نہانی دیکھتے جاؤ	(مکمل غزل)
		مانا حجاب دید مری بے خودی ہوئی	(مکمل غزل)
فراق گورکھپوری	:	یہ سرمئی فضاؤں کی کچھ کنمناہٹیں	(مکمل غزل)
		ایک شبِ غم وہ بھی تھی جس میں جی بھر آئے تو اشک بہائیں	(مکمل غزل)
نظیر اکبر آبادی	:	مفلسی	(نظم)
الطاف حسین حالی	:	اقتباس مسدس مدوجزر اسلام (مشمولہ شہ پارے الہ آباد یونیورسٹی)	(نظم)
علامہ اقبال	:	خضرِ راہ	(نظم)
جوش ملیح آبادی	:	کسان	(نظم)
فیض احمد فیض	:	صبح آزادی	(نظم)
اختر الایمان	:	ایک لڑکا	(نظم)
سرسید احمد خاں	:	اپنی مدد آپ	(مضمون)
محمد حسین آزاد	:	سچ اور جھوٹ کا رزم نامہ	(مضمون)
الطاف حسین حالی	:	غالب کی شاعری	(مضمون)
شبلی نعمانی	:	شاعری کیا ہے	(مضمون)
پطرس بخاری	:	لاہور کا جغرافیہ	(مضمون)
عبدالحق	:	حالی	(مضمون)
مہدی افادی	:	اردو لٹریچر کے عناصرِ خمسہ	(مضمون)
رشید احمد صدیقی	:	شیخ پیرو	(مضمون)

حصہ سوم: تدریس کے طریقۂ کار

I۔ زبان کی مہارتیں:

(الف) پڑھنا :

ترکیبی و تحلیلی طریقۂ کار۔حروف تہجی کا طریقہ۔صوتی طریقہ۔لفظ واری طریقہ۔جملہ واری طریقہ۔قصہ واری طریقہ۔

(ب) لکھنا :

لکھنا سکھانے کے طریقے:

ابجدی طریقہ۔پستالوزی طریقہ۔مانٹیسوری طریقہ۔پڑھو لکھو طریقہ۔

II۔ تدریسی طریقہ کار:

بیانیہ طریقۂ کار۔طریقہ تفویض۔مسئلے کا طریقہ۔تحقیقی طریقہ۔مطالعہ زیر نگرانی۔استخراجی اور استقرائی طریقہ۔

III۔ پڑھانے کی تراکیب اور مہارتیں:

سوالات و جوابات۔مہارت روئی سوالات۔مہارت تمہید، مہارتِ استعمالِ تختۂ سیاہ۔

IV۔اسباق کی تدریس:

(الف) نثری اسباق (ب) تدریسِ نظم (ج) تدریس قواعد

For the competitive examination for the post of senior teacher:-

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(ii)Knowledge of Graduation Standard about relevant subject matter

(iii)Teaching Methods of relevant subject