

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

-: HINDI :-

Part - (i)

अंक – 180

(माध्यमिक व उच्च माध्यमिक स्तर)

- (अ) वर्ण विचार – स्वर व व्यंजनों के प्रकार – प्रयत्न और स्थान की दृष्टि से ।
शब्द विचार – तत्सम, तद्भव, देशज व विदेशी शब्द ।
विकारी शब्द – संज्ञा, सर्वनाम, विशेषण, क्रियाओं के भेद एवम् उदाहरण ।
अविकारी शब्द – अव्यय के भेद व उदाहरण ।
वाक्य रचना – वाक्य में शब्दों के क्रम, वाक्य भेद, आश्रित उपवाक्य के भेद व उदाहरण ।
शब्द रचना – समास, संधि, उपसर्ग व प्रत्यय के भेद ।
शब्द ज्ञान – पर्यायवाची शब्द, विलोम शब्द, अनेकार्थ शब्द, समानोच्चारित शब्द (युग्म – शब्द), वाक्यांश के लिए एक शब्द ।
शुद्ध लेखन – वर्तनी की शुद्धता और वाक्यगत अशुद्धियों का सुधार ।
भाषा ज्ञान – मुहावरे व कहावतें, अपठित गद्यांश/पद्यांश आधारित प्रश्न ।
राष्ट्रभाषा, राजभाषा, खड़ी बोली/देवनागरी लिपि के सुधार का इतिहास ।
- (आ) माध्यमिक शिक्षा बोर्ड राजस्थान, अजमेर के नवीनतम सत्र के माध्यमिक में समाहित समस्त रचनाकारों से बारहवीं तक अनिवार्य हिन्दी एवं ऐच्छिक हिन्दी की समस्त पद्य एवं गद्य रचनाओं का मसाला पाठ्यक्रम में हर किया जाएगा ।

Part - (ii)

अंक – 80

स्नातक स्तरीय हिन्दी भाषा का ज्ञान –

- (अ) – शब्द शक्तियों के भेद व उदाहरण ।
– काव्य की रीतियाँ, काव्य गुण, काव्यदोष (श्रुतिकटुत्व, ग्राम्यत्व, अप्रतीत्व, क्लिष्टत्व, अकर्मत्व तथा दुष्कर्मत्व)
- अलंकार – श्लेष, यमक, उपमा, रूपक, उत्प्रेक्षा, विभावना, असंगति, संदेह, भ्रांतिमान, विरोधाभास व मानवीकरण ।
छंद – द्रुतविलम्बित, हरिगीतिका, कवित्त, सवैया, दोहा, सोरठा व चौपाई ।
रस – रस का स्वरूप तथा रसावयव ।
- (आ) – हिन्दी साहित्य के इतिहास का नामकरण, कालविभाजन, प्रमुख प्रवृत्तियाँ एवं रचना व रचनाकार ।
– हिन्दी भाषा का उद्भव एवं विकास, हिन्दी एवं उसकी बोलियों का सामान्य परिचय ।
– कबीर ग्रन्थावली – साखी – प्रथम 5 अंग एवं 10 पद (सम्पादक श्यामसुन्दर दास)
– तुलसीदास – रामचरितमानस (बालकाण्ड)
– सूरदास – भ्रमरगीतसार (प्रथम 20 पद – रामचन्द्र शुक्ल)
– मीराबाई – मीरां पदावली (प्रथम 20 पद – परशुराम चतुर्वेदी)
– बिहारी रत्नाकर – (प्रथम 20 दोहे)
– सूर्यमल्ल मिश्रण – वीर सतसई (प्रथम 20 दोहे)
– रामधारी सिंह दिनकर – कुरुक्षेत्र (प्रथम सर्ग)
– जयशंकर प्रसाद – कामायनी (आनन्द सर्ग)
– अज्ञेय – असाध्य वीणा ('आँगन के पार द्वार' से)
– आचार्य रामचन्द्र शुक्ल – (चिन्तामणि – भाग-1 केवल उत्साह, श्रद्धा, भक्ति, लोभ और प्रीति)
– मोहन राकेश – लहरों के राजहंस

- कहानियाँ – 'उसने कहा था' चन्द्रधर शर्मा गुलेरी
'जहाँ लक्ष्मी कैद है' राजेन्द्र यादव
'एक और जिन्दगी' मोहन राकेश
'परिन्दे' निर्मल वर्मा

Part - (iii)

अंक – 40

हिन्दी विषय शिक्षण विधियाँ –

(अ)	1	अनुकरणात्मक विधि	2.	इकाई विधि
	3	प्रत्यक्ष विधि	4	व्याकरण – अनुवाद विधि
	5	द्विभाषी पद्धति	6	सैनिक विधि
	7	ध्वन्यात्मक विधि	8	दूरस्थ शिक्षण
	9	वाचन-विधि	10	पर्यवेक्षित अध्ययन विधि
	11	आगमन-निगमन विधि	12	अभिक्रमित अनुदेशन विधि
	13	रसास्वादन विधि	14	सूत्र विधि
	15	भाषा – संसर्ग विधि	16	भाषा शिक्षण यंत्र – उपकरण विधि
	17	साहचर्य विधि	18	व्याख्यान – विधि
	19	प्रदर्शन विधि	20	श्रुतलेखन – अभ्यास विधि
	21	दल-शिक्षण विधि	22	भाषा – प्रयोगशाला विधि
	23	व्यतिरेकी विधि	24	हरबर्तीय विधि
	25	समवाय विधि		

(आ) भाषा शिक्षण के प्रमुख शिक्षण-कौशल, सूक्ष्म शिक्षण योजना, इकाई पाठ योजना की अवधारणा एवं प्रारूप का व्यावहारिक ज्ञान, शिक्षण सहायक सामग्री का कक्षा शिक्षण में उपयोग, भाषा शिक्षण में सतत् एवं व्यापक 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 Paper shall include following subjects carrying the number of marks as shown against them :-
 - (i) Knowledge of Secondary and Sr. Secondary Standard about relevant subject matter. 180 Marks
 - (ii) Knowledge of Graduation Standard about relevant subject matter. 80 Marks
 - (iii) Teaching Methods of relevant subject. 40 Marks
- Total 300 Marks
- 5 All questions carry equal marks.
- 6 There will be **Negative Marking**.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

- : *ENGLISH* : -

Part - (i)

180 Marks

(Secondary and Senior Secondary Standard)

Grammar and usage

- 1 Parts of speech
- 2 Determiners
- 3 Tenses
- 4 Subject-verb agreement
- 5 Prepositions
- 6 Transforming an Affirmative into Negative and Interrogative Sentence.
- 7 Passive Voice
- 8 Direct/Indirect Speech
- 9 Auxiliaries
- 10 Conditional Sentences
- 11 Phrasal Verbs
- 12 Joining Sentences
- 13 Transformation
 - Simple sentence into compound and complex sentence.
 - Other varied transformations.
- 14 Degree (Positive/Comparative/Sup. Degree).
- 15 Phonetic Transcription and Word Stress.
- 16 Common Idioms & Phrases

Part - (ii)

80 Marks

(Graduation Standard)

Grammar, Usage and Literature

- 1 Basic Sentence Patterns.
- 2 Phrase analysis in terms of M H M.
- 3 Clause analysis in terms of SPOCA.
- 4 Phonetic Symbols and Transcription.
- 5 Reading comprehension and vocabulary.
- 6 Synonyms and Antonyms.
- 7 An acquaintance with literary forms.
- 8 An acquaintance with major literary movements.
- 9 An acquaintance with major Indian writers in English.

Part - (iii)
Teaching Methods

40 Marks

- 1 Grammar - Translation method.
- 2 Direct Method.
- 3 Structural Method.
- 4 Audio-Lingual Method.
- 5 Communicative English language Teaching.
- 6 Teaching Prose, Poetry, Grammar and Composition.
- 7 Basic Principles of second language Teaching-Selection, Gradation, Presentation and Testing.

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(ii)	Knowledge of Graduation Standard about relevant subject matter.	80 Marks
(iii)	Teaching Methods of relevant subject.	40 Marks
Total		300 Marks
- 5 All questions carry equal marks.
- 6 There will be **Negative Marking**.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER – I

(i) **Geographical, Historical, Cultural and General Knowledge of Rajasthan:** Location, extent, relief features, climate, drainage, vegetation, agriculture, livestock, dairy development, population distribution, growth, literacy, sex ratio, religious composition, industries, planning, budgetary trends, major tourist centres.

- **Ancient Culture & Civilisation of Rajasthan, Kalibangan, Ahar, Ganeshwar, Bairath.**
- **History of Rajasthan from 8th to 18th Century**
 - Gurjar Pratihars
 - Chauhans of Ajmer
 - Relations with Delhi Sultanate – Mewar, Ranthambore and Jalore.
 - Rajasthan and Mughals – Sanga, Pratap, Mansingh of Amer, Chandrasen, Rai Singh of Bikaner, Raj singh of Mewar.
- **History of freedom struggle in Rajasthan**
 - Peasants and Tribal Movements.
 - Prajamandal Movement.
- **Integration of Rajasthan**
- **Role of women during Medieval and Modern period.**
- **Society and Religion**
 - Lok Devata and Devian.
 - Saints of Rajasthan.
 - Architecture – Temples, Forts and Palaces.
 - Paintings – Various Schools.
 - Fairs and Festivals.
 - Customs, Dresses and Ornaments.
 - Folk Music and Dance.
 - Language and Literature

Office of Governor; Role and Functions of Chief Minister and Cabinet; State Secretariat and Chief Secretary; Organisation and role of the Rajasthan Public Service Commission and State Human Rights Commission, Panchayati Raj in Rajasthan.

(ii) **Current Affairs of Rajasthan :**

Major current issues and happenings at state level related to socio-economic, political, games and sports aspects.

(iii) **General Knowledge of World & India –**

Continents, Oceans and their characteristics, global wind system, environmental problems, global strategies, globalization and its impacts, population trend and distribution, India and U.N.O., Major trends in International policies with special reference to Globalization and Nuclear non-proliferation.

Location and its advantages, Monsoonal system, drainage characteristics, changing patterns of agriculture and industries, national income-concept & trends, poverty, reduction schemes, Features of India's foreign policy, Nehru's contribution in its making.

Major Landmarks in the Constitutional History of India with special reference to Government of India Acts of 1919 and 1935; Gandhi's contribution to National Movement; Ambedkar and Constitution; Making; Salient features of Indian Constitution, Fundamental Rights, Duties and Directive Principles of State Policy; offices of the Indian President and Prime Minister; India's federal system; Major Political Parties.

(iv) **Educational Psychology –**

- 1 **Educational Psychology** – its meaning, scope and implications for teacher in classroom situations. Various psychologists and their contributions in education.
- 2 **Learning** – its meaning and types, different theories of learning and implications for a teacher, transfer of learning, factors affecting learning, constructivist learning.
- 3 **Development of learner** – Physical, emotional and social development, development of child as an individual- concept development.
- 4 **Personality** – meaning, theories and assessment, adjustment and its mechanism, maladjustment.
- 5 **Intelligence and creativity** – meaning, theories and measurement, role in learning, emotional intelligence- concept and practices, human cognition.
- 6 **Motivation** – meaning and role in the process of learning, achievement motivation.
- 7 **Individual differences** – meaning and sources, Education of children with special needs – Gifted and talented students, slow learners, delinquency.
- 8 **Development and implications in education of** – Self concept, attitudes, interest, habits, aptitude and social skills.

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

- 1 The question paper will carry maximum 200 marks.
- 2 Duration of question paper will be two hours.
- 3 The question paper will carry 100 questions of multiple choices.
- 4 Paper shall include following subjects carrying the number of marks as shown against them :-

(i) Geographical, Historical, Cultural and General Knowledge of Rajasthan	80 Marks
(ii) Current Affairs of Rajasthan	20 Marks
(iii) General Knowledge of World and India	60 Marks
(iv) Educational Psychology	40 Marks
Total	200 Marks
- 5 All questions carry equal marks.
- 6 There will be **Negative Marking.**

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

MATHEMATICS

Part - (i)

180 marks

(Secondary and Senior Secondary standard)

Number system : Irrational numbers, real numbers and their decimal expansions, operation on real numbers, Laws of exponents for real number, Fundamental theorem of Arithmetic.

Plane Geometry : Angles and lines at a point, Angles made by a transversal with two lines, classification of triangles on the basis of sides and angles, Rectilinear figures, congruence of triangles, inequalities of triangles, similar triangles, Area of plane figures, Circles, Arcs and Angles subtended by them, Tangents to a circle.

Algebra : Linear Equations (in two variables), Polynomials in one variable, zeroes of a polynomial, Remainder theorem, Factorization of polynomials, algebraic identities, Mathematical induction, Binomial theorem, Quadratic equations, nature of roots, linear inequalities, finite and infinite sequences, Arithmetic progression, Geometric Progression, Harmonic Progression, Permutations, Combinations, Matrix, Determinants of order two and three, Inverse matrix, solution of simultaneous linear equations of two and three unknowns, Sets, Relations and Functions, Complex numbers, its elementary properties, Argand plane and polar representation of complex numbers, square root of a complex number.

Surface Area and Volume : Cube, Cuboids, Cone, Cylinder and Sphere, Conversion of solid from one shape to another, frustum of a Cone.

Trigonometry : Angles and their measurements, Trigonometric ratios of acute angles, Angles and lengths of arc, trigonometric functions, compound multiple angles, solutions of trigonometric equations, inverse trigonometric functions, properties of triangles.

Calculus :

- 1 Differential Calculus - Limits, differentiability, continuity, derivative of Sum and Difference, derivative of product of functions, Composite functions, implicit functions, trigonometric functions, parametric functions, Second order derivative, Rolle's and Lagrange's mean value theorem, applications of derivatives, Increasing/decreasing function, tangents and normals, maxima and minima of one variable.
- 2 Integral Calculus - Indefinite integrals, definite integrals, definite integral as a limit of sum, Applications of definite integral in finding the area under simple curves, arc of circles, lines/parabola/ellipse, area between the two above said curves.

Co-ordinate Geometry :

- 1 **Two Dimensional Geometry** - Distance between two points, Sections formula, area of triangle, locus, equations of straight line, pair of straight lines, circles, parabola, ellipse, hyperbola, their equations, general properties, tangent, normal, chord of contact, pair of tangents.
- 2 **Co-ordinate Geometry in 3 - dimensions** – Co-ordinate axes and co-ordinate planes in three dimensions, co-ordinates of a point, distance between two points and section formula, direction cosines/ratios of a line joining two points, Cartesian and vector equation of a line, coplaner and skew lines, shortest distance between two lines, cartesian and vector equation of a plane, Angle between (i) two lines, (ii) two planes (iii) a line and a plane, distance of a point from a plane.

Statistics : Mean, Mode, Median, Quartiles, Deciles, Percentiles, Measure of dispersion, Probability - Laws of probability, addition and multiplications law, conditional probability, Random variable and probability distributions, repeated independent (Bernoulli) trials and Binomial distribution.

Vector - Dot product, Cross product, their properties, Scalar triple product, Vector triple product and related problems.

Part - (ii)

80 marks

(Graduation Standard)

- 1 **Abstract Algebra** - Group, Normal subgroup, permutation group, Quotient group, Homomorphism & groups, Isomorphism theorems, Cayley and Lagrange's theorems, Automorphism.
- 2 **Calculus** - Partial derivatives, Maxima and Minima of functions of two variables, Asymptotes, double and triple integrals, Beta and Gamma functions. Mean Value Theorems.
- 3 **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, Riemann integration, convergence of series, absolute convergence, uniform convergence of sequence and series of functions.
- 4 **Vector Analysis** - Differentiation of a vector functions of scalar variable, Gradient, divergence and curl (rectangular co-ordinates), vector identities, Gauss's Stoke's and Green's theorems.
- 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 **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.
- 7 **Linear Programming** - Graphical method of solution of linear programming in two variables, convex sets and their properties, simplex method, Assignment problems, Transportation problems.

- 8 **Numerical Analysis and Difference Equation** - Polynomial interpolation with equal or unequal stepsize, Lagrange's interpolation formula, Truncation error, Numerical differentiation, Numerical integration, Newton-Cotes quadrature formula, Gauss's quadrature formulae, convergence, Estimation of errors, Transcendental and polynomial equations, bisection method, Regula-falsi method, method of iteration, Newton - Raphson method, Convergence, First and higher order homogeneous linear difference equations, non homogenous linear difference equations, Complementary functions, Particular integral.

Part - (iii)

40 marks

(Teaching Methods)

- Meaning and Nature of Mathematics.
- Aims & Objectives of Mathematics Teaching.
- Methods of Mathematics Teaching (analytic, synthetic, inductive, deductive, heuristic, Project & Laboratory).
- Using various techniques of teaching mathematics viz - Oral, written, drill, assignment, supervised - study & programmed Learning.
- Arousing and maintaining interest in learning of Mathematics.
- Importance & meaning of planning, Preparing Lesson Plan, Unit Plan, Yearly Plan, Short Lesson Plan.
- Preparing low cost improvised teaching aids, Audio-Visual aids in Mathematics.
- Transfer of mathematics learning to various subjects and actual life situation.
- Planning & equipments of Mathematics laboratory.
- The mathematics teacher academic & professional - preparation.
- Principle of curriculum & qualities of a good text book.
- Process of obtaining feed-back and evaluation in Mathematics in terms of Cognitive, Affective and Psycho-motor Development.
- Preparation and use of tests for evaluation such as achievement test & diagnostic test.
- Diagnostic, Remedial and enrichment programmes with respect to syllabus at Secondary and Senior Secondary stages.
- Mathematics for gifted and retarded children.

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SYLLABUS FOR EXAMINATION FOR THE POST OF
SR.TEACHER (GRADE-II),
SECONDARY EDUCATION DEPARTMENT
PAPER - II

PUNJABI

ਸੈਕੰਡਰੀ ਅਤੇ ਸੀਨੀਅਰ ਸੈਕੰਡਰੀ ਪੱਧਰ ਨਾਲ ਸੰਬੰਧਿਤ ਪਾਠਕ੍ਰਮ

ਕੁੱਲ ਅੰਕ : 180

1. ਸੂਫੀ-ਕਾਵਿ: ਬਾਬਾ ਸ਼ੇਖ ਫ਼ਰੀਦ, ਸ਼ਾਹ ਹੁਸੈਨ, ਸੁਲਤਾਨ ਬਾਹੂ, ਬੁੱਲ੍ਹੇ ਸ਼ਾਹ, ਹਾਸ਼ਮ ਸ਼ਾਹ।
2. ਗੁਰਮਤਿ-ਕਾਵਿ :- ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ, ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ, ਗੁਰੂ ਰਾਮਦਾਸ ਜੀ, ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ, ਭਾਈ ਗੁਰਦਾਸ ਜੀ।
3. ਬੀਰ ਕਾਵਿ (ਵਾਰ ਅਤੇ ਜੰਗਨਾਮਾ) : ਭਾਈ ਗੁਰਦਾਸ ਜੀ, ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ, ਨਜ਼ਾਬਤ ਖਾਨ, ਸ਼ਾਹ ਮੁਹੰਮਦ
4. ਕਿੱਸਾ--ਕਾਵਿ : ਦਮੋਦਰ, ਪੀਲੂ, ਵਾਰਸ਼ ਸਾਹ, ਹਾਸ਼ਮ ਸਾਹ, ਕਾਦਰਯਾਰ, ਫ਼ਜ਼ਲ ਸ਼ਾਹ।
5. ਆਧੁਨਿਕ-ਕਾਵਿ : ਫੀਰੋਜ਼ਦੀਨ ਸ਼ਰਫ, ਭਾਈ ਵੀਰ ਸਿੰਘ, ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ, ਪ੍ਰੋ: ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰੋ: ਮੋਹਨ ਸਿੰਘ, ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਫੀਰ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਸ. ਤਾਰਾ ਸਿੰਘ, ਡਾ. ਜਗਤਾਰ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰ।
6. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ :-
(ੳ) ਨਾਵਲ :- ਪ੍ਰੋ: ਗੁਰਦਿਆਲ ਸਿੰਘ ।
(ਅ) ਕਹਾਣੀ :- ਗਿਆਨੀ ਗੁਰਮੁੱਖ ਸਿੰਘ ਮੁਸਾਫਿਰ, ਪ੍ਰਿੰ: ਸੁਜਾਨ ਸਿੰਘ, ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ, ਕਰਤਾਰ -ਸਿੰਘ ਦੁੱਗਲ, ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ, ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ, ਅਜੀਤ ਕੌਰ, ਗੁਰਬਚਨ ਸਿੰਘ ਭੁੱਲਰ, ਰਾਮ ਸਰੂਪ ਅਣਖੀ, ਪ੍ਰੋਮ ਪ੍ਰਕਾਸ਼, ਡਾ. ਗੁਰਦੇਵ ਸਿੰਘ ਰੁਪਾਣਾ।
7. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਇਕਾਂਗੀ : ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ, ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਹਰਚਰਨ ਸਿੰਘ, ਬਲਵੰਤ -ਗਾਰਗੀ, ਗੁਰਚਰਨ ਸਿੰਘ ਜਸੂਜਾ, ਗੁਰਦਿਆਲ ਸਿੰਘ ਖੋਸਲਾ, ਗੁਰਸ਼ਰਨ ਸਿੰਘ, ਪਾਂਧੀ ਨਨਕਾਣਵੀ।
8. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ :
(ੳ) ਨਿਬੰਧ : ਸ਼ਰਧਾ ਰਾਮ ਫਿਲੌਰੀ, ਲਾਲ ਸਿੰਘ 'ਕਮਲਾ ਅਕਾਲੀ', ਪ੍ਰਿੰ: ਤੇਜਾ ਸਿੰਘ, ਗਿਆਨੀ -ਗੁਰਦਿੱਤ ਸਿੰਘ, ਡਾ. ਸੋਹਿੰਦਰ ਸਿੰਘ 'ਵਣਜਾਰਾ ਬੇਦੀ', ਬਲਰਾਜ ਸਾਹਨੀ।
(ਅ) ਜੀਵਨੀ : ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ।
(ੲ) ਸਵੈ ਜੀਵਨੀ : ਪ੍ਰੋ: ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰਿੰ: ਤੇਜਾ ਸਿੰਘ, ਪ੍ਰਿੰ: ਸਾਹਿਬ ਸਿੰਘ, ਗੁਰਬਖ਼ਸ਼ ਸਿੰਘ 'ਪ੍ਰੀਤਲੜੀ', ਡਾ. ਮਹਿੰਦਰ ਸਿੰਘ ਰੰਧਾਵਾ, ਨਾਨਕ ਸਿੰਘ, ਪ੍ਰਿੰ. ਸ.ਸ. ਅਮੇਲ।
9. ਸਾਹਿਤ ਬੋਧ : (ਪਰਿਭਾਸ਼ਾ ਤੇ ਤੱਤ)
(ੳ) ਸਾਹਿਤ ਰੂਪ ਅਤੇ ਵੰਨਗੀਆ : ਕਵਿਤਾ, ਨਿਬੰਧ, ਸਫ਼ਰਨਾਮਾ, ਜੀਵਨੀ, ਸਵੈ ਜੀਵਨੀ, ਨਾਵਲ, ਨਿੱਕੀ ਕਹਾਣੀ, ਇਕਾਂਗੀ ਅਤੇ ਨਾਟਕ।
(ਅ) ਛੰਦ : ਦੇਹਰਾ, ਬੈਂਤ, ਦਵੱਈਆ, ਕਬਿੱਤ, ਕੇਰੜਾ ਅਤੇ ਚੌਪਈ।
(ੲ) ਅਲੰਕਾਰ : ਰੂਪਕ, ਉਪਮਾ, ਅਨੁਪ੍ਰਾਸ, ਅਤਿਕਥਨੀ ਅਤੇ ਦ੍ਰਿਸ਼ਟਾਂਤ।
(ਸ) ਰਸ : ਸਿੰਗਾਰ, ਹਾਸ, ਕਰੁਣ, ਰੌਦਰ, ਬੀਰ, ਭਿਆਨਕ, ਵੀਭਤਸ, ਅਦਭੁੱਤ, ਸ਼ਾਂਤ ਰਸ।

10. ਪੰਜਾਬੀ ਵਿਆਕਰਣ (ਪਰਿਭਾਸ਼ਕ ਤੇ ਵਿਹਾਰਕ ਅਧਿਐਨ):

ਨਾਂਵ , ਪੜਨਾਂਵ , ਕਿਰਿਆ , ਵਿਸ਼ੇਸ਼ਣ , ਸੰਬੰਧਕ , ਯੋਜਕ , ਕਾਰਕ , ਵਿਸਮਿਕ , ਲਿੰਗ , ਵਚਨ , ਵਿਰੋਧੀ ਸ਼ਬਦ , ਬਹੁਅਰਥਕ ਸ਼ਬਦ , ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ , ਸੁੱਧ-ਅਸੁੱਧ ਸ਼ਬਦ , ਅਖਾਣ ਤੇ ਮੁਹਾਵਰੇ।

ਬੀ.ਏ. (ਡਿਗਰੀ) ਪੱਧਰ ਨਾਲ ਸੰਬੰਧਿਤ ਪਾਠਕ੍ਰਮ

ਕੁੱਲ ਅੰਕ : 80

(1) ਪੂਰਵ ਨਾਨਕ ਕਾਲ ਤੋਂ ਆਧੁਨਿਕ ਕਾਲ ਤੱਕ ਦੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ :-

(ੳ) ਸੂਫੀ ਕਾਵਿ ਧਾਰਾ (ਅ) ਗੁਰਮਤ ਕਾਵਿਧਾਰਾ (ੲ) ਕਿੱਸਾ ਕਾਵਿਧਾਰਾ (ਸ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (ਹ)

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਨਾਵਲ ਤੇ ਨਿੱਕੀ ਕਹਾਣੀ (ਕ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ

(2) ਸੂਫੀ ਕਵੀ :- ਬਾਬਾ ਸ਼ੇਖ ਫ਼ਰੀਦ , ਸ਼ਾਹ ਹੁਸੈਨ , ਬੁੱਲ੍ਹੇ ਸ਼ਾਹ , ਮੀਆਂ ਵਜੀਦ।

(3) ਗੁਰਮਤਿ ਕਵੀ: ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ , ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ , ਭਾਈ ਗੁਰਦਾਸ ਜੀ।

(4) ਕਿੱਸਾ ਕਵੀ:- ਦਮੋਦਰ , ਪੀਲੂ , ਹਾਫਿਜ਼ ਬਰਖੁਰਦਾਰ , ਵਾਰਿਸ ਸ਼ਾਹ , ਹਾਸ਼ਮ ਸ਼ਾਹ , ਕਾਦਰਯਾਰ ਅਤੇ ਫ਼ਜ਼ਲ ਸ਼ਾਹ।

(5) ਵਾਰਕਾਰ ਤੇ ਜੰਗਨਾਮਾ ਕਵੀ : ਭਾਈ ਗੁਰਦਾਸ , ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ , ਨਜਾਬਤ ਖਾਨ , ਸ਼ਾਹ ਮੁਹੰਮਦ।

(6) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵੀ : ਭਾਈ ਵੀਰ ਸਿੰਘ , ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ , ਪ੍ਰੋ: ਪੂਰਨ ਸਿੰਘ , ਪ੍ਰੋ:ਮੋਹਨ ਸਿੰਘ , ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ , ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਫੀਰ , ਸ.ਸ. ਮੀਸ਼ਾ , ਡਾ.ਹਰਿਭਜਨ ਸਿੰਘ , ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ , ਸੁਰਜੀਤ ਪਾਤਰ।

(7) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ :

(ੳ) ਨਾਵਲ : ਨਾਨਕ ਸਿੰਘ , ਸੁਰਿੰਦਰ ਸਿੰਘ ਨਰੂਲਾ , ਜਸਵੰਤ ਸਿੰਘ ਕੰਵਲ , ਗੁਰਦਿਆਲ ਸਿੰਘ , ਰਾਮ ਸਰੂਪ ਅਣਖੀ , ਨਿਰੰਜਨ ਤਸਨੀਮ ਅਤੇ ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ।

(ਅ) ਕਹਾਣੀ : ਗੁਰਬਖਸ ਸਿੰਘ 'ਪ੍ਰੀਤਲੜੀ' , ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ , ਕਰਤਾਰ ਸਿੰਘ ਦੁੱਗਲ , ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ , ਗੁਰਬਚਨ ਸਿੰਘ ਭੁੱਲਰ , ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ , ਅਜੀਤ ਕੌਰ।

(8) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਤੇ ਨਾਟਕ : ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ , ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ , ਹਰਚਰਨ ਸਿੰਘ , ਬਲਵੰਤ ਗਾਰਗੀ , ਕਪੂਰ ਸਿੰਘ ਘੁੰਮਣ , ਗੁਰਦਿਆਲ ਸਿੰਘ ਫੁੱਲ , ਅਮਰੀਕ ਸਿੰਘ , ਆਤਮਜੀਤ , ਚਰਨਦਾਸ ਸਿੱਧੂ , ਸੁਰਜੀਤ ਸਿੰਘ ਸੇਠੀ ਅਤੇ ਅਜਮੇਰ ਸਿੰਘ ਔਲਖ।

(9) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ : -

(ੳ)ਨਿਬੰਧ : ਸ਼ਰਧਾ ਰਾਮ ਫਿਲੌਰੀ , ਪ੍ਰਿੰ: ਤੇਜਾ ਸਿੰਘ , ਦੇਵਿੰਦਰ ਸਤਿਆਰਥੀ , ਮਹਿੰਦਰ ਸਿੰਘ ਰੰਧਾਵਾ , ਗਿਆਨੀ ਗੁਰਦਿੱਤ ਸਿੰਘ , ਸੇਹਿੰਦਰ ਸਿੰਘ 'ਵਣਜਾਰਾ ਬੇਦੀ' , ਪ੍ਰਿੰ: ਸਰਵਣ ਸਿੰਘ ।

(ਅ)ਸਫ਼ਰਨਾਮਾ : ਲਾਲ ਸਿੰਘ 'ਕਮਲਾ ਅਕਾਲੀ' , ਬਲਰਾਜ ਸਾਹਨੀ , ਮਨਮੋਹਨ ਬਾਵਾ।

(10) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁੱਖੀ ਲਿੱਪੀ ਦਾ ਨਿਕਾਸ , ਵਿਕਾਸ ਤੇ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

(11) ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਵਿਲੱਖਣਤਾ ਤੇ ਪਛਾਣ-ਚਿੰਨ੍ਹ

(12) ਪੰਜਾਬੀ ਲੋਕ ਸਾਹਿਤ ਰੂਪ : ਢੋਲਾ , ਮਾਹੀਆ , ਟੱਪਾ , ਅਲਾਹੁਣੀ , ਸਿੱਠਣੀ , ਸੁਹਾਗ ਗੀਤ , ਲੰਮੀ ਬੋਲੀ , ਘੋੜੀਆਂ।

(13) ਪੰਜਾਬੀ ਰੀਤਾਂ ਰਸਮਾਂ : ਜਨਮ , ਵਿਆਹ ਤੇ ਮੌਤ ਸਮਾਂ।

ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਭਿੰਨ ਸਾਹਿਤ ਰੂਪਾਂ ਅਤੇ ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਦੇ
ਅਧਿਆਪਨ ਦੀਆਂ ਅਧਿਐਨ ਵਿਧੀਆਂ

ਕੁੱਲ ਅੰਕ : 40

(ੳ) ਕਵਿਤਾ (ਅ) ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ (ੲ) ਨਾਵਲ ਤੇ ਨਿੱਕੀ ਕਹਾਣੀ (ਸ) ਨਿਬੰਧ (ਹ) ਸਫ਼ਰਨਾਮਾ (ਕ) ਜੀਵਨੀ ਤੇ ਸਵੈ ਜੀਵਨੀ (ਖ) ਪੰਜਾਬੀ ਵਿਆਕਰਨ ।

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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 Paper shall include following subjects carrying the number of marks as shown against them :-
 - (i) Knowledge of Secondary and Sr. Secondary Standard about relevant subject matter. 180 Marks
 - (ii) Knowledge of Graduation Standard about relevant subject matter. 80 Marks
 - (iii) Teaching Methods of relevant subject. 40 Marks
- Total 300 Marks
- 5 All questions carry equal marks.
 - 6 There will be **Negative Marking**.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER
SYLLABUS FOR EXAMINATION FOR THE POST OF
SR. TEACHER (GRADE-II),

SECONDARY EDUCATION DEPARTMENT

PAPER - II

-:: SANSKRIT :-

Part - (i)

अंक – 180

(माध्यमिक—उच्चमाध्यमिकस्तरः)

1. **संज्ञाप्रकरणतः सामान्यप्रश्नाः—**
इत्, संयोगः, संहिता, सवर्णम्, उदात्तः, अनुदात्तः, स्वरितः, उच्चारणस्थानानि, प्रयत्नाः, पदम्
2. **निम्नलिखित—सन्धिसूत्रानुसारं सन्धिः सन्धिविच्छेदश्च—**
अच् सन्धिः — इको यणचि, एचोऽयवायावः, अकः सवर्णे दीर्घः, आद्गुणः, वृद्धिरेचि, एङि पररूपम्, एङ् पदान्तादति, ईदूदेद—द्विवचनं प्रगृह्यम्,
हल् सन्धिः — स्तोः श्चुना श्चुः, ष्टुना ष्टुः, झलां जशोऽन्ते, यरोऽनुनासिकेऽनुनासिको वा, झयो होऽन्यतरस्याम्, तोर्लि, मोऽनुस्वारः, अनुस्वारस्य ययि परसवर्णः, शश्छोऽटि ।
विसर्गसन्धिः — ससजुषोरुः, खरवसानयोर्विसर्जनीयः, विसर्जनीयस्य सः, अतो रोरप्लुतादप्लुते, हशि च, रो रि, ढ्रलोपे पूर्वस्य दीर्घोऽणः ।
3. **समासाः** — अव्ययीभावसमासः, तत् पुरुषः, कर्मधारयः, द्विगुः, द्वन्द्वः, बहुव्रीहिः, एतेषां समासानां सामान्यपरिचयः, पदानां समासः समासविग्रहश्च ।
4. **प्रत्ययाः** — निम्नलिखितप्रत्ययाधारिताः प्रश्नाः —
क्त, क्तवत्, शतृ, शानच्, तुमुन्, तव्यत्, अनीयर्, ण्वुल्, तृच्, ण्यत्, क्त्वा, ल्यप्, ल्युट्, घञ्, क्यप्, यत्, मतुप्, तल्, तरप्, तमप् ।
5. **शब्द—रूपाणि** —
राम, हरि, पति, सखि, गुरु, पितृ, भूभृत्, गच्छत्, आत्मन् । रमा, मति, नदी, धेनु, वधू, स्त्री । फल, वारि, मधु, जगत् । अस्मद्, युष्मद्, सर्व, तत्, इदम् ।
6. **धातुरूपाणि** — पंचलकारेषु — लट्, लृट्, लोट्, लङ्, विधिलिङ्
भू, इष्, त्यज्, गम्, जि, दृश्, नी, पच्, पा, लभ्, वृत्, सेव्, श्रु, हन्, दा, जन्, नृत्, क्रुध्, शक्, कृ, प्रच्छ्, लिख्, नम्, चुर्, कथ् ।
7. **निम्नलिखिताव्ययपदसम्बन्धिसामान्यप्रश्नाः** —
अत्र, अद्य, इतः, इत्थम्, इदानीम्, शनैः, उच्चैः, नमः, कथम्, कदापि, किल, पुनः, यथा तथा, खलु, धिक्, प्रातः, चिरम्, किमर्थम्, कुतः, कदा
8. **निम्नलिखितोपसर्गसम्बन्धिसामान्यप्रश्नाः** —
प्र, परा, अप, सम्, अनु, दुर, वि, आ, अति, सु, प्रति, परि, उप, निर्, अधि ।
9. **उपर्युक्तपाठ्यक्रमाधारितवाक्यशुद्धिः संस्कृतेऽनुवादश्च ।**

संस्कृतसाहित्येतिहास-सम्बन्धि-प्रश्नाः

10. निम्नलिखितानां महाकवीनाम् एव व्यक्तित्वकृतित्वसम्बन्धिसामान्यप्रश्नाः

(क) महाकाव्यकवयः —

वाल्मीकिः, अश्वघोषः, कालिदासः, भारविः, माघः, श्रीहर्षः

(ख) गद्यकाव्यकवयः —

दण्डीः, सुबन्धुः, बाणभट्टः, अम्बिकादत्तव्यासः

(ग) नाट्यकवयः —

भासः, कालिदासः, भवभूतिः, शूद्रकः, विशाखदत्तः

(घ) नीतिकवयः —

भर्तृहरिः, पं. विष्णुशर्मा, पं. नारायणपण्डितः

(ङ) अर्वाचीनकवयः —

देवर्षि कलानाथ शास्त्री, भट्टमथुरा नाथ शास्त्री, पं. पद्म शास्त्री, डॉ. प्रभाकर शास्त्री, पं. सूर्यनारायणशास्त्री

Part - (ii)

अंक — 80

(स्नातकस्तरः)

1. निम्नलिखितानां सूत्राणां सामान्यपरिचयात्मकप्रश्नाः वाक्यप्रयोगाश्च— प्रातिपादिकार्थलिङ्ग-परिमाण-वचनमात्रे प्रथमा। कर्तुरीप्सिततमं कर्म, अधिशीङ् स्थासां कर्म, अकथितं च, उपान्वध्याङ् वसः, अभितः परितः समयानिकषा हा-प्रतियोगेऽपि, कालाध्वनोररत्यन्तसंयोगे। साधकतमं करणम्, कर्तृकरणयोस्तृतीया, अपवर्गे तृतीया, येनाङ्गविकारः, सहयुक्तेऽप्रधाने। कर्मणा यमभिप्रैति स संप्रदानम्, रुच्यर्थानां-प्रीयमाणः, क्रुधद्रुहेर्ष्यासूयार्थानां यं प्रति कोपः, नमः स्वस्ति स्वाहास्वधाऽलंघषट् योगाच्च। ध्रुवमपायेऽपादानम्, भीत्रार्थानां भयहेतुः, जनिकर्तुः प्रकृतिः, भुवः प्रभवः। आधारोऽधिकरणम्, यतश्चनिर्धारणम्, यस्य च भावेन, भावलक्षणम्। षष्ठीशेषे, कर्तृकर्मणोः कृतिः।
2. निम्नलिखितानां छन्दसां सामान्यपरिचयात्मकप्रश्नाः —
अनुष्टुप्, आर्या, इन्द्रवज्रा, उपेन्द्रवज्रा, उपजाति, वंशस्थम्, द्रुतविलम्बितम्, भुजङ्गप्रयातम्, वसन्ततिलका, मालिनी, मन्दाक्रान्ता, शिखरिणी, शार्दूलविक्रीडितम्, स्रग्धरा।
3. निम्नलिखितानाम् अलंकाराणां लक्षणोदाहरणसम्बन्धिसामान्यप्रश्नाः —
अनुप्रासः, यमकम्, श्लेषः, स्वभावोक्तिः, उपमा, रूपकम्, उत्प्रेक्षा, व्यतिरेकः, सन्देहः, भ्रान्तिमान्, निदर्शना, दृष्टान्तः, अर्थान्तरन्यासः, दीपकम्, तुल्ययोगिता
4. निम्नलिखितसूक्तानां ग्रन्थानां च सामान्यप्रश्नाः
(क) इन्द्रसूक्तम् (2.12), पुरुषसूक्तम् (10.90), अग्निसूक्तम् (1.1) विष्णुसूक्तम् (1.154)
(ख) श्रीमद्भगवद्गीता (द्वितीयोऽध्यायः)
(ग) ईशोपनिषद्
5. भारतीयसंस्कृतिसम्बन्धिताः प्रश्नाः —
वर्णव्यवस्था, आश्रमव्यवस्था, षोडशसंस्काराः, पंचमहायज्ञाः

(शिक्षण—विधयः)

1. भाषाकौशलसम्बद्धाः प्रश्नाः –
 - (क) पाठनकौशलाभिवृद्धिविषयका विधयः
 - (ख) लेखनकौशलाभिवृद्धिविषयका विधयः
2. अध्यापन—विधयः –
 - (क) व्याकरणशिक्षणम्
 - (ख) गद्यशिक्षणम्
 - (ग) पद्यशिक्षणम्
 - (घ) नाटकशिक्षणम्
3. अध्यापन—कौशलम् –
 - (क) प्रस्तावना—प्रश्नाः
 - (ख) अन्वेषणप्रधानप्रश्नाः
 - (ग) श्यामपट्टप्रश्नाः
 - (घ) प्रश्नोत्तरकौशलप्रश्नाः
 - (ङ) प्रवाहकौशलप्रश्नाः
4. पाठ—योजना –
 - (क) गद्यपाठयोजना
 - (ख) पद्यपाठयोजना
 - (ग) व्याकरणपाठयोजना
 - (घ) अनुवादपाठयोजना
 - (ङ) नाट्यपाठयोजना

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. Paper shall include following subjects carrying the number of marks as shows against them:-

(i) Knowledge of Secondary and Sr. Secondary Standard About relevant as per syllabus.	180 Marks
(ii) Knowledge of Graduation Standard about relevant subject Matter as per syllabus.	80 Marks.
(iii) Teaching Methods of relevant subject as per syllabus	40 Marks
Total	300
5. All question carry equal marks.
6. There will be **Negative marking**.

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

-: SCIENCE :-

Part - (i)

180 marks

(Secondary and Senior Secondary standard)

- Cell structure and functions of cell organelles, Cell inclusions, Nucleic acid (DNA and RNA) Cell cycle (Mitosis, Meiosis), Genetic code, types of RNA and protein synthesis .
- Bio-molecules : organic and inorganic biomolecules.
- Types of plant tissues, internal structure of Dicot monocot root , stem and leaves , Secondary growth in Monocot & Dicot.
- Structure of flower, Types of inflorescence, reproduction in plants, polyembryony, Apomixis, Alternation of generation, Fruits and seeds, Important characters of families (Brassicaceae, Malvaceae, Solonaceae, Liliaceae, Poaceae, and Leguminosae), Floral formula, floral diagram and economic importance.
- Water relations, Osmosis, DPD, Plasmolysis, Water potential Absorption of water, Ascent of sap, Transpiration, Guttation, Stomatal movement.
- Plant nutrition : macro-nutrients, micronutrients and their functions.
- Photosynthesis : types of pigments, light reaction - Cyclic and non-cyclic photo phosphorylation, and dark reaction, C_3 and C_4 cycle, Chemosynthesis, Law of limiting factor, factors affecting photosynthesis, Crassulacean Acid Metabolism chemiosmotic hypothesis, photorespiration.
- Respiration : types of respiration, Glycolysis, Krebs cycle and Oxidative Phosphorylation, Respiratory quotient (R.Q.), Fermentation.
- Enzymes, classification, mechanism of action, factors affecting enzyme activities
- Plant growth and development : Differentiation, Dedifferentiation and redifferentiation. Growth regulation in plants by Auxins, Gibberellins, Cytokinins, ethylene, Abscisic acid. Photoperiodism, Vernalisation and seed dormancy.
- Types of pollution, Global warming, Green house effect, Acid rains, Alnino effect, ozone depletion Biodiversity, Sanctuaries, National parks, Endangered species, Deforestation, Bio communities, Ecosystem, Food chains, ecological pyramids, wild life and its conservation, Biogeochemical cycles.
- Structure and function of animal tissues, Various systems of human, human population and health, immune system, tissue and organ transplantations, Bio-treatment Techniques.
- Regulation in animal : Nervous system, Endocrine system and hormones.
- Human Physiology : Digestion and absorption, Breathing, Circulatory system, Excretory system, locomotion and movement, Neural control and coordination, chemical coordination and integration.
- External and internal structure of Amoeba, Plasmodium, Earthworm, Cockroach and Frog.

- Evolution: Darwinism, NeoDarwinism, Lamarckism, Natural selection and Adaptation, Concepts of species and speciation. Palentological evidences and morphological evidences of evolution.
- Genetics and heredity : Molecular basis of heredity. Mendelism, Linkage, Crossing over, hybridization, sex determination and sex linked inheritance, Blood groups, Rh factor, Mutation.
- Biotechnology : Genetic engineering Recombinant DNA Technology its Tools and Techniques, Gene Cloning, DNA Amplification by PCR, Tools and Techniques of Gene Transfer.
- Application of Biotechnology in Agriculture, medicine. Transgenic animals and plants. Ethical issues, Biopiracy.
- Taxonomy of animals, Five kingdom system, Characteristics upto class level with suitable example. Symmetry, Coelom, segmentation and embryogenesis.
- Taxonomy of plants: Eukaryota, Prokaryota, Virus, Bacteria Mycoplasma, Lichens and elementary knowledge of *Ulothrix*, *Riccia* and *Pteridium*
- Embryology of animals, Spermatogenesis, Oogenesis, fertilization, Cleavage, Gastrulation, organogenesis and fate of three germinal layers, test tube baby, embryonic development in human, placenta, specific aspect of development.
- Atomic Structure : Fundamental Particles, Atomic models and their limitations, dual nature of particles, de-broglie equation, uncertainty principle, Modern concept of atomic structure, quantum numbers, Aufbau principle, Pauli's exclusion principle, Hund's rule, (n+l) rule. Electronic configuration of elements. Molecular orbital theory for simple homo-nuclear diatomic molecules. Atomic mass, molecular mass, Equivalent mass, Mole concept, Symbols, ions, radicals, variable valencies, type of formulas – empirical formula, molecular formula, Chemical stoichiometry.
- States of matter : Gaseous state - gas laws, ideal gas equation, Dalton's law of partial pressure, kinetic theory of gases, deviation from ideal behaviour, critical temperature and its importance, liquification of gases. Liquid state - properties of liquid, vapour pressure, surface tension and viscosity coefficient and its application. Solid state - classification of solids, crystal structure.
- Chemical bonding and molecular structure : Ionic bond, covalent bond, coordinate bond. General properties of ionic and covalent bond. Geometry of molecules, Valence shell electrons pair repulsion theory, polarisation, Fajan's Rule, Valence bond theory, concept of resonance, directional properties of bond, hybridisation.
- Co-ordination Compounds : Ligand and co-ordination number, Werner's theory, IUPAC nomenclature and formulation of mono nuclear co-ordination compound, Isomerism, valence bond theory, Crystal field theory. Shapes, Colours, Magnetic properties in complexes, stability of co-ordination compounds, metal carbonyl compound (elementary knowledge)
- Classification of elements and periodicity in properties : Mendeleef's periodic law and classification of elements, limitation of Mendeleef's periodic table, Modern concept of periodic table, electronic configuration and nomenclature of elements, types of elements - s, p, d and f block Periodicity in properties - atomic and ionic radii, ionisation enthalpy, electron gain enthalpy, electronegativity 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.

- Thermodynamics : Concept of system, work, heat, energy, extensive and intensive properties, first law of thermodynamics – internal energy and enthalpy, heat capacity and specific heat, Hess's law and its applications. Enthalpy and Free energy.
- Redox reaction : Concept of redox reactions, Oxidation numbers, balancing and applications of redox reactions.
- Metals, Non-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.
- Organic Chemistry - Principles and Techniques : Different methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature. 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, mechanism of electrophilic substitution, directive influence of functional group.
- Polymers, Bio-molecules, Chemistry in Everyday Life and Surface Chemistry.
- Polymers : Natural and synthetic polymers.
- Bio-molecules : Carbohydrates, Proteins, Vitamins, Nucleic Acids
- Chemistry in Everyday Life : Chemical in medicines, Chemicals in food, Cleansing agents.
- Surface Chemistry : Adsorption, homogenous and heterogeneous catalysis, colloids and suspensions.
- Environmental Chemistry : Air, water and soil pollution, affects of depletion of ozone layer, green house effect and global warming, green chemistry, strategy for control of environmental pollution.
- Physical world and measurement - Fundamental and derived units, systems of units, dimensional formula and dimensional equations, Accuracy and error in measurement.
- Description of motion - motion in one dimension, uniformly accelerated motion, motion with uniform velocity/Acceleration in two dimensions, motion of an object in three dimensions, relative velocity.
- Vectors - Scalar and vector quantities, unit vector, addition and multiplication.
- Laws of motion - first, second and third law of motion, impulse, momentum, conservation of linear momentum.
- Friction - Types of friction, laws of friction, lubrication.
- Work, Energy and Power - Work done by a constant / variable force, K.E., P.E., Elastic collision in one and two dimensions, gravitational P.E., P.E. of a spring, conservation of energy, conservative and non-conservative forces, power.
- Rotational motion - Centre of mass, its motion, rotational motion, Torque, angular momentum, centripetal force, circular motion, moment of inertia, theorems of M.I., Rolling motion.
- Oscillatory motion - Periodic motion, S.H.M. its equation, K.E. and P.E., concept of free, forced and damped oscillations, simple pendulum, oscillation of a loaded spring.
- Gravitation - Universal law of gravitation, g, variation of g, orbital and escape velocity, planetary motion, Kepler's law.
- Elasticity - Hook's law, young's modulus, bulk modulus and shear modulus of rigidity. Applications of elastic behaviour of matter.

- Surface tension - Fluid pressure, Pascal's law, Archimedes principle, molecular theory of surface tension, Excess of pressure inside a drop and soap bubble, angle of contact, Capillarity, Detergents.
- Liquids in motion - Type of flow of liquid, Critical velocity, Coefficient of viscosity, Terminal velocity, Stoke's law, Reynold's number, Bernoulli's theorem - its applications.
- Kinetic theory of gases - Laws for gases, Ideal gas equation, Assumptions of Kinetic theory of gases, Pressure exerted by a gas, Law of equipartition of energy, Degree of freedom, Specific heats of gases and solids, Mean free path.
- Heat and thermodynamics - Concept of Heat and temperature, Temp. Scales, Thermal expansion of solid, liquid and gases, specific heat, change of state, latent heat, Thermal capacity, Zeroth & first law of thermodynamics, thermodynamic process, second law of thermodynamics, Carnot engine.
- Radiation - Modes of transmission of heat, thermal conductivity, Thermal radiations, Perfect blackbody, Newton's law of cooling.
- Waves - Type of waves, wave equation, speed of a progressive wave, superposition principle, beats, stationary waves and normal modes, Doppler's effect.
- Ray optics and optical instruments - Laws of reflection, Reflection by plane and curved mirrors, Laws of refraction, total internal refraction - applications, Lenses, Image formation by lenses, Dispersion by prism, Scattering of light, Eye, Defects of vision, Microscopes, Telescopes.
- Electrostatics - Coulomb's law, electric field and potential due to a point charge and Dipole, concept of Dielectric, Gauss theorem - its applications, Electric lines of force, Force and torque experienced by a dipole in uniform electric field, potential energy of a system of charges, equipotential surfaces.
- Capacitance - Capacity of an isolated spherical conductor, capacitor - principle, Parallel plate capacitors, effect of dielectric on capacitance, series and parallel combinations of Capacitors, Energy of a Capacitor, Van de Graaff generator.
- Current Electricity - Ohm's Law, Temperature dependence of resistance, colour code of resistors, series and parallel combination of resistors, resistivity, primary and secondary cells and their combination in series and parallel, Kirchhoff's laws, Wheatstone bridge and potentiometer - their applications, electrical energy and power.
- Magnetism and magnetic effect of current - Natural and man made magnet, magnetic lines of force, Bar magnet, magnetism and Gauss law, magnetic moment, Torque on a magnetic dipole, magnetic field, magnetic induction, magnetic intensity, permeability, susceptibility & Intensity of magnetisation - their relations. Curie Law, Hysteresis, B-H curve. Classification of magnetic materials. Magnetic force, motion in the magnetic field, Biot - Savart's law, magnetic field by a straight Conductor & Circular Current Carrying Coil, Ampere's Circuital law, Solenoid, Toroid, Moving Coil Galvanometer, Ammeter, Voltmeter.
- Electromagnetic Induction - Faraday's Law, Lenz's Law, Self Induction, Mutual Induction, Electric Generators.
- Alternating Current - Mean and rms value of A.C., A.C. Circuit Containing resistance, Inductance and Capacitance, Series resonant Circuit, Q factor, Average power in A.C., Wattless Current, L C oscillations, transformer.
- Wave Optics - Huygen's principle - reflection and refraction, Interference of light, Young's double slit experiment, Diffraction of light, Single slit diffraction, resolving power of optical instruments, polarisation of light, law of Malus. Polarization by reflection and scattering.

- Photoelectric effect and matter waves - Einstein's Photoelectric equation, Photocell, matter waves, Debroglie's hypothesis, Davison and Germer's experiment.
- Nuclear Physics and Radioactivity – Nucleus, size, Mass defect, Binding energy, Nuclear fission and fusion, Nuclear reactor, Radioactivity, laws of disintegration, α , β and γ decays.
- Solids and semi conductor devices - Energy band in solids, Semi conductor, P-N Junction, Diodes, Diode as an rectifier, Special purpose p-n junction diodes, Junction transistor, Logic gates, integrated circuit.
- Electromagnetic Waves and Communication – Displacement current, Electromagnetic Waves-Source, nature. Electromagnetic spectrum, Elements of a communication system, Bandwidth of signals and transmission medium, Sky and space wave propagation, Need for modulation, Production and detection of an AM wave.

Part - (ii)

80 marks

(Graduate standard)

SCIENCE

(Botany, Zoology, Microbiology, Biotechnology, Biochemistry, Chemistry, Physics):

- Role of Micro organisms such as Bacteria, Viruses, Disease & Immunity..
- Algae: General character, classification and Thallus organization.
- Fungi : General character, classification and economic importance.
- Bryophytes and Pteridophytes : General character, classification and Reproduction.
- Cell structure and functions of cell organelles, chromosome organization. DNA structure, replication. Genetic code, Protein synthesis. Cell cycle ; mitosis, meiosis and their significance.
- Characteristics of seed plants, evolution of seed habit. Evolution and diversity of Gymnosperms. Classification and reproduction in Gymnosperms.
- Taxonomy of Angiosperms : Classification of Angiosperms. Diversity of flowering plants. Economic importance of Timber plants, Medicinal plants, fibre yielding plants, condiments and spices.
- Flower structure, Types of Embryos, Double fertilization, polyembryony, Apomixis, Parthenocarpy.
- Histological organization of monocot and dicot root, stem and leaves, Anomalous secondary growth. Apical meristem. Sapwood, heartwood and annual rings.
- Water relations : Osmosis, transport of water, transpiration, mechanism of stomatal movement. Factors affecting transpiration, mechanism of phloem transport.
- Photosynthesis : types of pigments, light and dark reaction, C_3 and C_4 cycle, Organisation of photosystems, Red drop phenomenon, Chemosynthesis, Bacterial photosynthesis. Law of limiting factor factors, affecting photosynthesis, Crassulacean Acid Metabolism.
- Respiration : types of respiration, Glycolysis, Krebs cycle and Oxidative phosphorylation, Respiratory quotient (R.Q.), photorespiration, Electron transport system.
- Structure and Function of Biological Macromolecules Proteins, Carbohydrates, Lipids, Nucleic Acid and Enzymes.

- Plant Growth and Development: Photoperiodism, vernalization, physiology of flowering, kinetics of growth, seed dormancy, plant growth regulators.
- Ecology types of pollution, Global warming, Green house effect, Acid rains, Alnino effect, ozone depletion Biodiversity, Sanctuaries, National parks, Endangered species, Deforestation, Bio communities, Ecosystem, Food chains, ecological pyramids, wild life and its conservation, Biogeochemical cycles. Environmental laws, Radiation hazards.
- Structure and function of animal tissues, Various systems of human. Regulation in animals (Nervous system, Endocrine system and hormones)
- Life cycle of Plasmodium, Ascaris, Liverfluke, Economic importance of Protozoa and Insects. Social insects. External and internal structure of Amoeba, Plasmodium, Earthworm, Cockroach and Frog ,
- Genetics : Mendelism, Linkage, Crossing over, sex determination and sex linked inheritance, Mutation.
- Evolution : Darwinism, Neo Darwinisim, Lamarckism, Natural selection and Adaptation, Concepts of species and speciation. Palentological evidences and morphological evidences of evolution, Hardy-Winberg law, Origin of life
- Biotechnology : Tools and Technique of recombinant DNA Technology, cloning vectors, regulation of gene expression in prokaryotes and Eukaryotes Gene Amplication, genomic library, Gene mapping, Plant tissue culture, Vectors for gene transfer, vectorless gene transfer, Transgenics. GM Crops, Application of Biotechnology in Agriculture, Medicine, Animals and Plants, DNA Finger Printing.
- Taxonomy of animals, Five kingdom system, Characteristics upto family level with suitable example. Symmetry, Coelom, segmentation and embryogenesis.
- Embryology of animals, Spermatogenesis, Oogenesis, fertilization, Cleavage, Gastrulation, organogenesis and fate of three germinal layers, test tube baby. Embryology of frog
- Zero group elements : Position in periodic table, isolation, compounds of zero group elements.
- d-block elements : Electronic configuration, general characteristics for e.g. colour, 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.
- Bio-Inorganic Chemistry : Role of bulk and trace metal ions in biological system with special reference to Mg, Ca, Fe and Cu.
- Reaction Mechanism : Inductive, Mesomeric and Hyper - conjugation. Addition and substitution : Electrophilic addition and substitution reaction, Nucleophilic addition and substitution reactions (S_N1 and S_N2), Elimination reactions.
- 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.
- Chemical Kinetics : Order and Molecularity of reactions, first and second order reactions and their rate expressions (no derivation), Zero and Pseudo order reactions, Arrhanus euqtion, 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.
- Conservation Laws : Concept of reduced mass, concept of elastic and inelastic collision, analysis of collision in centre of mass frame, Angular momentum of a system of particles, conservation of Angular momentum
- Oscillatory Motion: Damped harmonic oscillators, power dissipation, Quality factor, Driven harmonic oscillator.
- Waves in media: Speed of transverse waves on a uniform string speed of longitudinal waves in a fluid, energy density and energy transmission in waves
- Kinetic theory of gases: distribution law of molecular velocities, most probable, average and rms velocities. Mean free path Thermal conductivity
- Interference of light: Coherence, Analytical treatment of interference.
- Thermal and electrical properties of solids: Classical theory of specific heat of Solids, Band theory of solids, metal insulator and semiconductor. Elementary idea of superconductivity.

Part - (iii)**40 marks****Teaching Methods :**

- 1 Definition and concept of science, place of science in school curriculum, nature of science, scientific attitude, values of science, correlation of science with other school subjects, aims of science teaching in Secondary Schools, Scientific literacy, Scientific method.
- 2 Principles of developing science curriculum at secondary level, factors affecting the selection and organisation of science curriculum, NPE-1986, POA (1992) and National curriculum fram work - 2005, Unit plan and lesson plan, Taxonomy of educational objectives, writing objectives in behavioural terms. Role of Science teacher.
- 3 Methods and approaches - Lecture method, demonstration, laboratory method, problem solving, project method, inductive and deductive method, inquiry approach, discovery method, programmed instruction, panel discussion, team teaching, multi sensory teaching aids.
4. Co-curricular activities, Science lab, planning and equipping science lab, Safety precaution for work in science lab, science-club, field trip.
5. Evaluation-Concepts, type and purposes, type of post items, objective type, S.A. and Essay, preparation of blue print, evaluation of practical work in science, comprehensive and continuous evaluation in science.

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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 Paper shall include following subjects carrying the number of marks as shown against them :-

(i) Knowledge of Secondary and Sr. Secondary Standard about relevant subject matter.	180 Marks
(ii) Knowledge of Graduation Standard about relevant subject matter.	80 Marks
(iii) Teaching Methods of relevant subject.	40 Marks
Total	300 Marks
- 5 All questions carry equal marks.
- 6 There will be **Negative Marking**.

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RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR.TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

- : SOCIAL SCIENCE : -

HISTORY : -

- 1 Indus Valley Civilization – its salient features.
- 2 Vedic Age - Social and religious life.
- 3 Budhism and Jainism – Teachings, Causes of rise and fall of Buddhism.
- 4 Mauryas and Guptas.
- 5 Bhakti and Suffi system.
- 6 Mughal Period - (1526-1707) – Administrative features and cultural achievements.
- 7 Legecy of Shivaji.
- 8 Freedom Movement -
 - a Background of 1857.
 - b Birth of Congress.
 - c Role of Gandhi.
 - d Partition of India.
- 9 French Revolution, American War of Independence & Russian Revolution.
- 10 League of Nations and the U.N.
- 11 India's role in World Peace.

GEOGRAPHY : -

- 1 Motions of the earth and their effects, Latitudes – Longitudes.
- 2 Interior of the Earth. Origin of Continents and Oceans, Sudden movements.
- 3 Atmosphere – Composition, Insolation, Pressure belts, winds..
- 4 Ocean Currents and Tides.
- 5 India – Physical features, Climate, Soil, Natural vegetation, Drainage, Agriculture, Industries and Population.
- 6 Rajasthan – Physical features, Climate, Soil, Natural vegetation, Drainage, Agriculture, Minerals, Industries and Population.

ECONOMICS : -

- 1 Concepts of National Income.
- 2 Basic concepts of Demand & Supply and Consumer Equilibrium.
- 3 Definition of money, its functions. Functions of Commercial Banks and Central Bank.
- 4 India's Foreign Trade – Direction and Trends. Concept of Globalization, Privatization and Liberalization.
- 5 Economic Planning in India. Poverty and Unemployment in India.

POLITICAL SCIENCE : -

- 1 Political Science and Political Theory – Traditional and Modern Perspective, Power, Legitimacy, Sovereignty.
- 2 Indian Constitution – Salient features, Federalism, Fundamental Rights, Duties, Directive Principles, Amendment procedure, Union and State Government – Legislature, Judiciary, Executive.
- 3 Local Self Government, India's relations with neighbouring States.
- 4 Challenges to Indian democracy, Indian Foreign Policy.
- 5 Recent Trends – Globalization, Empowerment of deprived groups and class.

SOCIOLOGY :-

- 1 Meaning, Nature and Perspective of Sociology.
- 2 Basic Concepts – Society, Social Group, Status & Role, Social change.
- 3 Caste and Class – Meaning, Features, Change in Caste and Class.
- 4 Current Social Problems – Casteism, Communalism, Poverty, Corruption, AIDS.
- 5 Concept of Varna, Ashram, Dharma, Purusharth, Marriage and Family.

PUBLIC ADMINISTRATION : -

- 1 Meaning, Scope, Nature and evolution of Public Administration as a discipline.
- 2 Theories of organization.
- 3 Administrative behaviour – Decision making, Moral, Motivation.
- 4 Issues in Indian Administration – Relationship, between Political and Permanent Executive, Generalists and Specialists, Peoples participation in Administration.
- 5 Redressal of Citizens grievances – Lokpal, Lokayukts.

PHILOSOPHY : -

- 1 Vedic and Upanisadic Philosophy – Basic concepts.
- 2 Socratic Method, Cartesian Method.
- 3 Greek Ethics, Hedonism, Utilitarianism, Kantian ethics, Freedom of Will, Theories of Punishment.
- 4 Varnashram Dharma, Purushartha, Nishkam Karma of Geeta, Ethics of Jainism, Buddhism and Gandhian ethics.

TEACHING METHOD : -

- 1 Nature, Scope and Concept of Social Studies. Aims and objectives of teaching social studies at different levels.
- 2 Correlation of social studies with other school subjects.
- 3 Methods of Social Studies Teaching - Project, Problem-Solving, Social recitation.
- 4 Innovative Practices - Role playing, Brain Storming Field Trips.
- 5 Instructional Support System-Teaching aids in Social Studies, use of Print and Electronic Media and Computers in Social Studies Teaching.
- 6 Qualities, Role and Professional growth of a teacher of Social Studies.
- 7 Curriculum - Concept and objectives, National curriculum frame work 2005.
- 8 Planning of Teaching - Yearly, Unit and Daily Lesson Plan.
- 9 Tools and Techniques of Evaluation, Various Types of Question, Blue Print and Preparation of achievement Test.

* * * * *

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 Paper shall include following subjects carrying the number of marks as shown against them :-

(i) Knowledge of Secondary and Sr. Secondary Standard about relevant subject matter.	180 Marks
(ii) Knowledge of Graduation Standard about relevant subject matter.	80 Marks
(iii) Teaching Methods of relevant subject.	40 Marks
Total	300 Marks
- 5 All questions carry equal marks.
- 6 There will be **Negative Marking**.

* * * * *

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF SR. TEACHER (GRADE-II), SECONDARY EDUCATION DEPARTMENT

PAPER - II

URDU

भाग	1	2	3
	180	80	40

भाग -1 KNOWLEDGE OF SECONDARY AND SENIOR SECONDARY STANDARD

ABOUT URDU SUBJECT M.M:180

(1) - نثر:

I - اردو زبان سے متعلقہ سوالات:

(الف) زبان کا تعارف (ب) تصحیح اللمع (ج) عالی الفاظ

II - اسباق پر مبنی سوالات

(الف) نادان دوست از پریم چند ، اوس از خوب حسن نظامی ، انسان کا بدلہ از ڈاکٹر ذاکر حسین ، وقت از ڈپٹی مڈیر احمد

(ب) زبانوں کا مگر از سید اشرف حسین ، خدا کے کام از گرگور پوڈوہیر فونٹے ، آدمی کی کہانی از محمد مجیب ،

کارٹوس از حبیب تھری

(ج) سرگزشت از دولت بادشاہ کی از میرمن ، سویر - جیکل آگے میری کھلی از پطرس بخاری ،

چوٹی کا جوڑا از عصمت چغتائی

(د) شش ہر کوپال نقہ کے کام از مرزا غالب ، نو نو ترانہ از قرۃ العین حیدر ، پنجر از خوب حسن نظامی ،

غالب جدید شاعر کی ایک مجلس میں از سکھیا مال کیور

III - مصنفین کی دماغی حیات اور طرزِ تحریر:

میرامن ، محمد حسین آزاد ، شکی نعمانی ، قرۃ العین حیدر ، سجاد ظہیر ، کرشن چندر ، شش پریم چند

(2) - حکومت:

I - حکومت پر مبنی سوالات:

(الف) ایک دیہاتی لڑکی کا گیت : اختر شیرینی ، ایک پودا اور گھاس : اسامیل میرمن ، بہار کے دن : انیسیر شیخی

(ب) نیکی اور بدی : نظیر اکبر آبادی ، کوئی امید نہیں آتی : غالب کی نزل ، پہاڑ اور گلہری : اقبال

اس شریف نے کہا تھا : سا جلد عیان ہو

(ن) ولی (i) شراب شوق سے مرثا ہے تیرم (ii) کیا چ شراب نے ظالم کوں آپ آہستہ آہستہ

ہنش (i) نس تو تھی جہاں میں ہے تیر افسانہ کیا (ii) کیہ آرزو ہی کے مجھے گل کے رو برو کرتے
 نظیر اکبر آبادی : آدمی نامہ ، اکبر آبادی : مستقبل ، علامہ اقبال : شعاع امید ،
 جوش ملیح آبادی : الہی صبح ، میراجس : شہادت حضرت عباس
 غزل :

(i) مولا حاتمی : اب بھانجے ہیں سایہ عشق تاں سے ہم (ii) زمین آسمن جذبی : زندگی ہے تو ہر حال بسر بھی ہوگی
 (iii) ناصر کاظمی : یہ شب یہ خیال و خواب تیرے (iv) ن۔م۔م۔راشد : زندگی سے ڈرتے ہو
 II - شعرا کی سوانح حیات اور تصانیف کا نام :-

وٹی ، نظیر ، درد ، اکبر ، انیس ، امانت علی میرٹھی ، حاتی ، ن۔م۔م۔راشد

(۳) عرضی نوعی ، مضمون نوعی ، خطوط نگاری :

(i) عرضی نوعی

(ii) مضمون نوعی : بیانیہ مضمون ، ادبی مضمون ، اخلاقی و دکھائی مضمون ، (استدالی ، مباحثی ، فکری ، بیانیہ)

(iii) خطوط نگاری :

نجی خط : سرکاری خط : تشبیتی خط

(۴) قواعد :

(الف) ہم ، ضمیر ، صفت : فعل اور اسکی انعام

(ب) تعدد : تذکیر و تانیث : متضاد الفاظ : مترادفات : محاورات

(۵) اردو ادب کی تاریخ :

(الف) (i) اردو زبان کی ابتدا اور ارتقا ، (ii) ادبی کالج کی ادبی خدمات (iii) دبستان دہلی اور دبستان کھنڈو

(ب) اردو کی اہم اصناف : نظم : افسانہ : خاکہ : انشائیہ

(۶) سرچ مطالعہ :

(i) بیہودی کی لڑکی از آغا شہر کاظمی (ii) مرحوم کی یاد میں از بھٹرس بخاری

भाग -2 KNOWLEDGE OF GRADUATION STANDARD ABOUT URDU SUBJECT M.M: 80

I - نثر

(الف) درج ذیل سیاق و سباق پر مبنی سوالات:

- | | |
|---------------------------------|---|
| (i) اپنی مدد آپ از سرسید | (ii) لکھنؤ کی ریسانہ زندگی کی ایک جملک از سرشار |
| (ii) تنک کا دایوہ از پریم چند | (iv) مظلوم کی فریاد از راشد الخیر |
| (v) شیخ بیرو از رشید احمد صدیقی | (vi) یار باش از فرحت اللہ بیگ |

(ب) درج ذیل ادبی عنوانات پر مبنی سوالات :

- (i) اردو ڈرامے کا فن اور تاریخ
(ii) غالب کے خطوط
(iii) نثر اور تاریخ
(iv) سوانح نگاری (v) انٹرنیٹ نگاری
(vi) نثر اور تاریخ
(vii) انٹرنیٹ نگاری

-II

(الف) درج ذیل شعراء پر مبنی سوالات :

- (i) میر (ii) درو (iii) مانی (iv) مومن

(ب) درج ذیل شعری اصناف پر مبنی سوالات :

- (i) نزل (ii) قصیدہ (iii) مرثیہ

-III بلاغت: درج ذیل صنعتوں پر مبنی سوالات

- (i) تشبیہ (ii) استعارہ (iii) ایہام (iv) تضاد (v) مبالغہ (vi) حسن نقل (vii) تلمیح

-IV تاریخ ادب اردو:

- (i) شمالی ہند میں اردو نثر کا آغاز (ii) سرسید تحریک (iii) ترقی پسند تحریک

भाग 3 TEACHING METHODS OF URDU SUBJECT M.M: 40

- I زبان کی مہارتیں :

(الف) پڑھنا: ترکیب و تخیلی طریقہ کار۔ حروف تہجی کا طریقہ ، صوتی طریقہ ، لفظ و آہنی طریقہ ،

جملہ و آہنی طریقہ ، تشد و آہنی طریقہ

(ب) لکھنا: لکھنا سکھانے کے طریقے:

ابجدی طریقہ ، پستالوزی طریقہ ، مائیکرو طریقہ ، پروفیسر کھلوا طریقہ

-II تدریسی طریقہ کار:

بیانیہ طریقہ کار، طریقہ تفویض، مسئلہ کا طریقہ، تحقیقی طریقہ، مطالعہ زیر نگرانی،

آخرازی اور استقرانی طریقہ

-III پڑھانے کی ترقی و مہارتیں :

سوالات و جوابات ، مہارت روٹی سوالات ، مہارت تمہید ، مہارت استعمال تحت سیاہ

-IV اسباق کی تدریس :

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

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