

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR EXAMINATION FOR THE POST OF SR. TEACHER SANSKRIT EDUCATION DEPARTMENT**

### **PAPER- I**

#### **I. Geographical, Historical, Cultural and General Knowledge of Rajasthan:-**

- Physical features, climate, drainage, vegetation, agriculture, livestock, dairy development, population distribution, growth, literacy, sex ratio, tribes, industries and major tourist centres.
- **Ancient Culture & Civilisation of Rajasthan, Kalibangan, Ahar, Ganeshwar, Bairath.**
- **History of Rajasthan from 8<sup>th</sup> to 18<sup>th</sup> 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**
  - Revolution of 1857.
  - Political Awakening.
  - Prajamandal Movements.
  - Peasants and Tribal Movements.
- **Integration of Rajasthan**
- **Society and Religion**
  - Lok Devta 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.

#### **Political and Administrative System of Rajasthan :-**

- Office of Governor; Role and Functions.
- Chief Minister and Cabinet (State council of Ministers).
- State Secretariat and Chief Secretary.
- Organisation and Role of the Rajasthan Public Service Commission.

- State Human Rights Commission.
- Panchayati Raj (Local Self Govt. Administration).
- State Legislative Assembly 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 issues and strategies, globalization and its impacts, population distribution and migration.
- **India:-** Physical features, monsoonal system, drainage, vegetation and energy resources.

### **Indian Economy:-**

- Growth and Development in Agriculture, Industry and Service Sector in India. Foreign Trade of India: Trends, Composition and Direction.

### **Indian Constitution, Political System and Foreign Policy :-**

- Constitutional History of India with special reference to Government of India Acts of 1919 and 1935. Gandhi's Contribution to National Movement.
- Indian Constitution- Role of Ambedkar, making of Constitution, salient features, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy.
- Offices of the Indian President and Prime Minister.
- Political Parties and Pressure Groups.
- Principles of India's Foreign Policy and Nehru's contribution in its making.
- India and U.N.O., emerging trends in International Politics with special reference to Globalization.

## IV. **Educational Psychology :-**

- **Educational Psychology** – its meaning, scope and implications for teacher in classroom situations.
- **Development of Learner** – concept of growth and development, physical, emotional, cognitive, moral and social development.
- **Learning** – its meaning and types, different theories of learning and implications for a teacher, transfer of learning, factors affecting learning, constructivist learning.
- **Personality** – meaning, theories and measurement, adjustment and its mechanism, maladjustment.
- **Intelligence and Creativity** – meaning, theories and measurement, role in learning, emotional intelligence- concept and practices.

- **Motivation** – meaning and role in the process of learning, achievement motivation.
- **Individual Differences** – meaning and sources, education of children with special needs – Gifted, slow learners and delinquent.
- **Concept 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. Negative marking shall be applicable in the evaluation of answer. For every wrong answer one third of the marks prescribed for that particular question shall be deducted.
5. 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**

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# RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

## SYLLABUS FOR EXAMINATION FOR THE POST OF SR. TEACHER SANSKRIT EDUCATION DEPARTMENT PAPER - II

### SANSKRIT

#### Part - (I)

(प्रवेशिका—वरिष्ठोपाध्यायस्तरीयः)

##### 1. संज्ञाप्रकरणतः सामान्यप्रश्नाः—

इत्संज्ञा, लोपसंज्ञा, संयोगसंज्ञा, संहितासंज्ञा, सर्वर्णसंज्ञा, उदात्तः, अनुदात्तः, स्वरितः, वर्णोच्चारणस्थानानि, प्रयत्नाः, पदसंज्ञा ।

##### 2. निम्नलिखित—सन्धिसूत्राणांव्याख्या, प्रयोगसिद्धिः, सन्धिः सन्धिविच्छेदश्च—

अच् सन्धिः—इको यणचि, एचोऽयवायावः, अकः सर्वोदीर्घः, आद्युणः, वृद्धिरेचि, एडि पररूपम्, एडः पदान्तादति, अवङ् स्फोटायनस्य, ईदूदेद्—द्विवचनंप्रगृह्यम्, निपात एकाजनाङ् ।

हल् सन्धिः—स्तोः श्चुना श्चुः, ष्टुना ष्टुः, झलांजशोऽन्ते, खरि च, यरोऽनुनासिकेऽनुनासिको वा, झयोहोऽन्यतरस्याम्, तोर्लि, मोऽनुस्वारः, अनुस्वारस्य ययि परस्वर्णः, शश्छोऽटि, नश्चापदान्तस्य झलि, डमो हस्वादचि डमुण् नित्यम्, छे च ।

विसर्गसन्धिः—ससजुषोरुः, खरवसानयोर्विसर्जनीयः, विसर्जनीयस्य सः, अतोरोरप्लुतादप्लुते, हशि च, हलिसर्वेषाम्, रोरि, द्रलोपेपूर्वस्य दीर्घोऽणः, एतत्तदोः सुलोपोऽकोरनञ्चसमासेहलि ।

समासाः—अव्ययीभाव—तत्पुरुष—कर्मधारय—द्विगु—द्वन्द्व—बहुव्रीहि—एतेषांसमासानांसामान्यपरिचयः, पदानांसमासः समासविग्रहश्च ।

##### 3. प्रत्ययाः—निम्नलिखितप्रत्ययाधारिताः प्रश्नाः—

कृदन्तप्रत्ययाः—तव्यत्, अनीयर्, यत्, ण्यत्, क्यप्, ण्वुल्, तृच्, ल्यु, ल्युट्, णिनिः, कः, टः, डः, क्त्, क्तवतु, क्विप्, शत्, शानच्, षाकन्, उः, नङ्, क्वितन्, तुमुन्, क्त्वा, ल्यप्, घञ् ।

तद्वितप्रत्ययाः—यत्, नज्, स्नज्, फक्, इञ्, ढक्, ठक्, त्व, वुन्, वलच्, मतुप्, घ, ख, छ, तल्, तरप्, ईयसुन्, तमप्, ईष्टन्, इमनिच्, ष्यज्, मयट् ।

स्त्रीप्रत्ययाः—टाप्, डाप्, डीप्, डीष्, ति

##### 4. शब्द—रूपाणि—

राम, हरि, पति, सखि, गुरु, पितृ, राजन्, गच्छत्, मघवत्, पथिन् । रमा, मति, नदी, स्त्री, धेनु, वधू । फल, वारि, मधु, जगत्, धनुष् । अस्मद्, युष्मद्, सर्व, तत्, इदम्, अदस्, किम् ।

##### 5. धातुरूपाणि—दशलकारेषु—(लेट् लकारं विहाय)

परस्मैपदम्—भू गम्, पच्, वद्, दृश्, पा, लिख्, नम्, अस्, कृ, हन्, दा, शक् ।

आत्मनेपदम्—सेव, कृ, लभ, दा ।

6. निम्नलिखिताव्ययपदसम्बन्धिनः सामान्यप्रश्नाः —

अत्र, अद्य, ह्यस्, श्वस्, दिवा, इत्थम्, इदानीम्, शनैस्, उच्चैस्, नीचैस्, नमस्, कदापि, किल, पुनर्, यथा, तथा, खलु, धिक्, प्रातर्, अलम्, तूष्णीम्, बहिस्, यावत्, तावत्, चिरम्, कथम्, कुत्र, किमर्थम्, कुतः, कदा

7. प्रवेशिका—वरिष्ठोपाध्यायस्तरीय—पाठ्यक्रमाधारितवाक्यशुद्धिः संस्कृतेऽनुवादश्च ।

निम्नलिखितानां छन्दसांसामान्यपरिचयात्मकप्रश्नाः —

अनुष्टुप्, आर्या, इन्द्रवज्ञा, उपेन्द्रवज्ञा, उपजातिः, वंशस्थम्, प्रहर्षिणी, द्रुतविलम्बितम्, भुजङ्गप्रयातम्, वसन्ततिलका, मालिनी, हरिणी, मन्दक्रान्ता, शिखरिणी, शार्दूलविक्रीडितम्, स्रग्धरा, वियोगिनी, पुष्पिताग्रा ।

8. निम्नलिखितानाम् अलंकाराणां लक्षणोदाहरणसम्बन्धिनः सामान्यप्रश्नाः —(चन्द्रालोकतः)

अनुप्रासः, यमकम्, श्लेषः, स्वभावोक्तिः, वक्रोक्तिः, उपमा, रूपकम्, उत्प्रेक्षा, व्यतिरेकः, दीपकम्, सन्देहः, भ्रान्तिमान्, निर्दर्शना, दृष्टान्तः, अर्थान्तरन्यासः ।

**Part - (II)**

(शास्त्रिस्तरीयः)

1. निम्नलिखितानां सूत्राणां वार्तिकानां च अर्थोदाहरणानि वाक्यप्रयोगाश्च— प्रातिपदिकार्थ लिङ्ग—परिमाण—वचनमात्रे प्रथमा, कर्तुरीप्सिततमं कर्म, कर्मणि द्वितीया, अधिशीङ्गस्थासां कर्म, अकथितं च, उपान्वद्याङ्गवसः, लक्षणेत्थंभूताख्यानभागवीप्सासु प्रतिपर्यनवः, अभितः परितः समयानिकषाहाप्रतियोगेऽपि, कालाध्वनोरत्यन्तसंयोगे, साधकतमं करणम्, कर्तृकरणयोस्तृतीया, अपवर्गेतृतीया, येनाङ्गविकारः, सहयुक्तेऽप्रधाने, इत्थंभूतलक्षणे, कर्मणा यमभिप्रैति स संप्रदानम्, चतुर्थासम्प्रदाने, रुच्यर्थानां प्रीयमाणः, क्रुद्धद्वुहेर्ष्यासूयार्थानां यं प्रतिकोपः, नमः स्वस्तिस्वाहास्वधाऽलंवषट् योगाच्च, ध्रुवमपायेऽपादानम्, अपादाने पंचमी, वारणार्थानामीप्सितः, अन्तर्धो येनादर्शनमिच्छति, भीत्रार्थानां भयहेतुः, जनिकर्तुः प्रकृतिः, भुवः प्रभवः, षष्ठीशेषे, कर्तृकर्मणोः कृतिः, उभयप्राप्तौ कर्मणि, आधारोऽधिकरणम्, सप्तम्यधिकरणे च, यतश्चनिर्धारणम्, यस्य च भावलक्षणम्, षष्ठी चानादरे ।

संस्कृतसाहित्येतिहास—सम्बन्धि—प्रश्नाः

2. निम्नलिखितानां महाकवीनां व्यक्तित्वकृतित्वसम्बन्धिनः सामान्यप्रश्नाः

(क) महाकाव्यकवयः —

महर्षिवाल्मीकिः, कालिदासः, भारविः, माघः, श्रीहर्षः

(ख) गद्यकाव्यकवयः —

दण्डी, सुबन्धुः, बाणभट्टः, अम्बिकादत्तव्यासः

(ग) नाट्यकवयः—

भासः, कालिदासः, भवभूतिः, शूद्रकः, विशाखदत्तः

(घ) नीतिकवयः —

भर्तृहरिः, पं. विष्णुशर्मा, पं. नारायणपणिडतः

(ङ) अर्वाचीनकवयः—

देवर्षिकलानाथशास्त्री, भट्टमथुरानाथशास्त्री, पं. पद्मशास्त्री, पं. हरिशास्त्री दाधीचः, पं. गिरिधर शर्मा, नवरत्नः, प्रो. हरिरामआचार्यः, श्रीरामदवे, पं. मोहनलालपाण्डेयः।

3. **निम्नलिखितसूक्तसम्बन्धिनःसामान्यप्रश्नाः**

(क) अग्निसूक्तम् (1.12), वरुणसूक्तम् (1.25), इन्द्रसूक्तम् (2.12), प्रजापतिसूक्तम् (10.121), संज्ञानसूक्तम् (10.191)

4. **निम्नलिखितग्रन्थानांपरिचयः सामान्यप्रश्नाश्च—**

(क) श्रीमद्भगवद्गीता (द्वितीयोऽध्यायः) (ख) कठोपनिषद् (प्रथमवल्ली) (ग) अभिज्ञानशाकुन्तलम् (चतुर्थोऽङ्गः) (घ) नाट्यशास्त्रम् (प्रथमोऽध्यायः) (ङ) मेघदूतम् (पूर्वमेघः) (च) नीतिशतकम्

5. **भारतीयसंस्कृते: प्रश्नाः—**

संस्काराः, आश्रमाः, पुरुषार्थाः, पंचमहायज्ञाः।

**Part - (III)**

**शिक्षण—विधयः**

1. **भाषाकौशलसम्बद्धाः प्रश्नाः —**

(क) श्रवणकौशलाभिवृद्धिविषयकप्रश्नाः  
(ख) भाषणकौशलाभिवृद्धिविषयकप्रश्नाः  
(ग) पठनकौशलाभिवृद्धिविषयकप्रश्नाः  
(घ) लेखनकौशलाभिवृद्धिविषयकप्रश्नाः

2. **शिक्षण—विधयः**

(क) व्याकरणशिक्षणहविधयः  
(ख) गद्यशिक्षणविधयः  
(ग) पद्यशिक्षणविधयः  
(घ) नाटकशिक्षणविधयः  
(ङ) उच्चारणशिक्षणविधयः  
(च) कथाशिक्षणविधयः  
(छ) अनुवादशिक्षणविधयः

3. **शिक्षणकौशलम्**

(क) प्रस्तावनाकौशलम्  
(ख) श्यामपट्टकौशलम्  
(ग) प्रश्नोत्तरकौशलम्  
(घ) उद्दीपनपरिवर्तनकौशलम्  
(ङ) पुनर्बलनकौशलम्  
(च) व्याख्याकौशलम्

4. **पाठयोजना**

(क) गद्यपाठयोजना  
(ख) पद्यपाठयोजना  
(ग) नाटकपाठयोजना  
(घ) व्याकरणपाठयोजना

(ङ) रचनापाठ्योजना  
(च) कथापाठ्योजना

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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 carrying the number of marks as shows against them:-

(i) Knowledge of Praveshika and Varistha Upadyaya Standard about relevant subject matter.	180 marks
(ii) Knowledge of Shastri Standard about relevant subject matter.	80 marks
(iii) Teaching Methods of relevant subject.	40 marks

**Total- 300 marks**

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### PAPER- II

#### हिन्दी

#### खंड—I

##### माध्यमिक व उच्च माध्यमिक स्तर :-

वर्ण—व्यवस्था	— स्वर व व्यंजनों का वर्गीकरण
शब्द—वर्गीकरण (स्रोत के आधार पर)	— तत्सम, तदभव, विदेशी
शब्द—वर्गीकरण (व्याकरण आधारित)	— विकारी एवं अविकारी शब्दों का परिचय और भेद—उपभेद
व्याकरणिक कोटियाँ	— लिंग, वचन, कारक, काल, वाच्य
शब्द—रचना	— संधि, समास, उपसर्ग व प्रत्यय।
शब्द—ज्ञान	— पर्यायवाची शब्द, विलोम शब्द, अनेकार्थ शब्द, समश्रुत भिन्नार्थक शब्द, वाक्यांश के लिए एक शब्द
वाक्य —रचना	— वाक्य का स्वरूप, पदक्रम, अंग, भेद—उपभेद
शब्द—शुद्धीकरण	
वाक्य —शुद्धीकरण	
विराम चिह्नों का परिचय	
मुहावरे एवं लोकोक्तियाँ	
अपठित गद्यांश / पद्यांश आधारित प्रश्न	

#### खंड—II

##### स्नातक स्तर:-

###### (अ) शब्द शक्तियों के भेद व उदाहरण

काव्य की रीतियाँ, काव्य गुण, काव्यदोष (श्रुतिकटुत्व, ग्राम्यत्व, अप्रतीतत्व, विलष्टत्व, अक्रमत्व तथा दुष्क्रमत्व)

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, रसावयव और रस—भेद

###### (ब)

— हिन्दी साहित्य का इतिहास — नामकरण, कालविभाजन,

आदिकाल	— काव्य धाराएँ, प्रवृत्तियाँ, प्रमुख रचनाएँ एवं रचनाकार
भवित्काल	— काव्य धाराएँ, प्रवृत्तियाँ, प्रमुख रचनाएँ एवं रचनाकार
रीतिकाल	— काव्य धाराएँ, प्रवृत्तियाँ, प्रमुख रचनाएँ एवं रचनाकार
आधुनिक काल	— पद्य का विकास — भारतेंदु युग, द्विवेदी युग, छायावाद, प्रगतिवाद, नई कविता
आधुनिक काल	— गद्य का विकास — कहानी, उपन्यास, नाटक, निबन्ध, संस्मरण

###### (स)

हिन्दी भाषा का उद्भव एवं विकास, हिन्दी एवं उसकी बोलियों का सामान्य परिचय, देवनागरी लिपि

(द) — कबीर ग्रन्थावली — साखी — प्रथम 5 अंग एवं प्रथम 10 पद (सं0 श्यामसुन्दर दास)  
 — तुलसीदास — रामचरितमानस (बालकाण्ड)  
 — सूरदास — भ्रमरगीतसार (प्रथम 20 पद — सं0 रामचन्द्र शुक्ल)  
 — मीराबाई — मीरा पदावली (प्रथम 20 पद — सं0 परशुराम चतुर्वेदी)  
 — बिहारी रत्नाकर — (प्रथम 20 दोहे)  
 — सूर्यमल्ल मीसण (मिश्रण) —वीर सतसई (प्रथम 20 दोहे — सं0 नरेत्तमदास स्वामी, नरेन्द्र भानावत, लक्ष्मी कमल)  
 — रामधारी सिंह दिनकर — कुरुक्षेत्र (प्रथम सर्ग)  
 — जयशंकर प्रसाद — कामायनी (श्रद्धा सर्ग)  
 — आचार्य रामचन्द्र शुक्ल— चिन्तामणि — (भाग-1) केवल उत्साह, श्रद्धा और भक्ति, लोभ और प्रीति  
 — मोहन राकेश — लहरों के राजहंस  
 — यादवेंद्र शर्मा 'चंद्र' — खून का टीका

— कहानियाँ — उसने कहा था — चन्द्रधर शर्मा गुलेरी  
 पूस की रात — प्रेमचंद  
 पटाक्षेप नहीं होगा — हेतु भारद्वाज  
 उजाले के मुसाहिब — विजयदान देशा

### खंड— III

#### 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, कहानी 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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5. Paper shall include following subjects carrying the number of marks as shown against them:-
 

(i) Knowledge of Secondary and Senior 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**

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# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR EXAMINATION FOR THE POST OF SR. TEACHER SANSKRIT EDUCATION DEPARTMENT PAPER- II**

### **ENGLISH**

#### **Part-I**

##### **Secondary and Senior Secondary Standard:-**

###### **Grammar and Usage**

- 1 Parts of Speech: Nouns, Verbs, Adjectives, Adverbs
- 2 Articles and Determiners
- 3 Tenses
- 4 Prepositions
- 5 Modal Auxiliaries
- 6 Degrees of Comparison (Comparative, Superlative Degree).
- 7 Subject-Verb Agreement
- 8 Subordination and Co-ordination – Compound & Complex Sentences
- 9 Conditional Sentences
- 10 Transformation of Sentences
  - a. Affirmative, Negative and Interrogative.
  - b. Active, Passive
  - c. Direct, Indirect
- 11 Phrasal Verbs
- 12 Proverbs/Idiomatic Expressions
- 13 Words often misspelt & confused
- 14 Synonyms and Antonyms
- 15 Phonetic Transcription and Word Stress

#### **Part-II**

##### **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 Reading Comprehension and Vocabulary.
- 5 Poetry Appreciation

6 An Acquaintance with Literary Forms/ Devices.

- a. Ode
- b. Elegy
- c. Sonnet
- d. Epic/ Mock epic
- e. Dramatic Monologue
- f. Ballads
- g. Alliteration
- h. Hyperbole
- i. Simile/Metaphor
- j. Personification
- k. Satire/Irony
- l. Onomatopoeia

7 An Acquaintance with Major Literary Periods.

- a. Renaissance
- b. Metaphysical
- c. Jacobean
- d. Neo Classical
- e. Romantic
- f. Victorian
- g. Modern
- h. Post-Modern

8 An Acquaintance with Literary Movements.

- a. Romanticism
- b. Gothic
- c. Pre- Raphaelite Movement
- d. Realism
- e. Existentialism
- f. Stream of Consciousness
- g. Symbolism
- h. Modernism
- i. Post-Modernism

9 An Acquaintance with Twentieth Century Indian Writers/Poets in English.

- a. Rabindra Nath Tagore
- b. Mulk Raj Anand
- c. R.K. Narayan
- d. Sarojini Naidu
- e. Toru Dutt
- f. Nissim Ezekiel
- g. Ruskin Bond
- h. Arun Kolatkar

- i. Anita Desai
- j. Shashi Deshpande
- k. Kamala Das
- l. Jayant Mahapatra
- m. Amitav Ghosh
- n. Manju Kapoor
- o. Arundhati Roy

### **Part-III**

#### **Teaching Methods**

- Grammar - Translation Method.
- Direct Method.
- Structural Method.
- Audio-Lingual Method.
- Communicative English Language Teaching.
- Teaching Prose, Poetry, Grammar and Composition.

Basic Principles of Second Language Teaching- Selection, Gradation, Presentation and Testing.

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**RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**  
**SYLLABUS FOR EXAMINATION FOR THE POST OF**  
**SR.TEACHER**  
**SANSKRIT EDUCATION DEPARTMENT**

**PAPER- II**

**SOCIAL SCIENCE**

**HISTORY :-**

- Indus Valley Civilization – Town Planning, Social, Religious and Economic Life.
- Vedic Age - Social and Religious Life.
- Buddhism and Jainism – Causes of Rising and Teachings.
- Mauryas: Source, Political and Administrative features.
- Post Mauryan Art.
- 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.
- Shivaji: Political and Administrative Achievements.
- National Movement in 19<sup>th</sup> and 20<sup>th</sup> Century -
  - (i) Revolution of 1857: Causes, Nature, and Main Events.
  - (ii) Indian National Congress – Early Phase (Moderates and Extremists).
  - (iii) Mass Movements of Gandhiji: Non-Cooperation, Civil Disobedience and Quit India Movement.
  - (iv) Revolutionary Movements in 20<sup>th</sup> Century India –
    - (a) First Phase: 1905-1914
    - (b) Second Phase:(1924 to 1930)
    - (c) INA and Subhash Chandra Bose.
- Political Revolutions in Modern World- American War of Independence, French Revolution and Russian Revolution.

**GEOGRAPHY :-**

- Motions of the Earth and their effects, Latitudes – Longitudes.
- Interior of the Earth. Origin of Continents and Oceans, Earthquake, Volcano, Tsunami.
- Atmosphere – Composition, Insolation, Pressure Belts, Winds, Precipitation.
- Ocean currents, Tides and Coral reefs.
- India – Physical features, Climate, Soil, Natural vegetation, Bio-diversity, Drainage, Types of Agriculture and major crops, Industries and Population.
- Rajasthan – Physical features, Climate, Soil, Natural Vegetation, Drainage, Agriculture, Minerals, Industries and Population, Desertification.

**ECONOMICS :-**

- National Income, Consumption Function, Inflation.
- Basic concepts of Demand & Supply, Elasticity and Consumer Equilibrium.
- Measures of Central Tendency- Arithmetic Mean, Median and Mode, Concepts of Deficit in Budget, Measures of Money Supply, Credit Creation and Methods of Credit Control.
- Poverty, Unemployment and Human Development (HDI, PQLI). Sustainable Development and Green Accounting, NITI Aayog.

**POLITICAL SCIENCE :-**

- Traditional and Modern Perspective of Political Science - Meaning, Nature, Scope and Approaches.
- Fundamental Concept of Political Science – State, Sovereignty, Rights, Liberty, Equality, Justice, Power, Authority, Legitimacy.
- Indian Constitution – Making of Indian Constitution, Salient Features, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Amendment Procedure and Major Amendments, Union, State and Local Self Government (Legislature, Executive and Judiciary).
- Indian Foreign Policy and Relations with Neighbouring States.
- UNO - Organization, Major Organs and its Role in Present Scenario.

**SOCIOLOGY :-**

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

**PUBLIC ADMINISTRATION :-**

- Meaning, Nature, Scope, Significance and Evolution of Public Administration as a discipline.
- Theories and Principles of Public Administration.
- Administrative Behaviour – Decision making, Leadership, Communication and Motivation.
- Administrative Reforms in India with special reference to First and Second Administrative Reforms Commission.
- Redressal of Citizens Grievances – Lokpal, Lokayukts, Right to Information (RTI).

**PHILOSOPHY :-**

- Basic Philosophy of Vedas and Upanishads.
- Nishkam Karm of Geeta, Ethical Percepts/Concepts of Jainism, Buddhism and Gandhi.
- Socratic Method, 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 - 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.
- 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.

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# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR EXAMINATION FOR THE POST OF SR. TEACHER SANSKRIT EDUCATION DEPARTMENT PAPER- II**

### **MATHEMATICS**

#### **Part- I**

##### **Secondary and Senior Secondary Standard:**

###### **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.

###### **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.

###### **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.

###### **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, relations between roots and coefficients, formation of quadratic equations with given roots. Linear and Quadratic in equations. 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  $n$ . Permutations and combinations and simple applications. Binomial theorem for a positive integral index, general term and middle term, properties of Binomial coefficients.

### **Matrices and Determinants:**

Matrices, algebra of matrices, type of matrices, determinants of order two and three, properties of determinants, Adjoint and evaluation of inverse of a square matrix using determinants and elementary transformations, Test of consistency and solution of simultaneous linear equations in two or three variables using determinants and matrices.

### **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, power, absolute value, greatest integer etc.), sum, difference, product and composition of functions.

### **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.

### **Analytical Geometry:**

**(i) Two dimensions:** Cartesian coordinates, distance between two points, section formulae, shift of origin. Equation of a straight line in various forms, 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, orthocentre, incentre and circumcentre of a triangle. General equation of second degree. Nature of conic. Equation of a circle in various forms, equations of tangent, normal and chord. Parametric equations of a circle, intersection of a circle with a straight line or a circle, equation of a circle through the points of intersection of two circles and those of a circle and a straight line. Equations of a parabola, ellipse and hyperbola, their foci, directrices and eccentricity, parametric equations, equations of tangent and normal. Problems based on locus. Polar equation of a conic, polar equations 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.

### **Calculus:**

Limits, continuity and differentiability. Differentiation of the sum, difference, product and quotient of two functions. Differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; 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, tangents and normal.

Integral as an anti-derivative, Integration of a variety of functions by substitution, by partial fractions and by Integration using trigonometric identities. Definite integral and their properties, application of definite integrals in finding the area under simple curves, especially lines, arcs of circles/parabolas/ellipses etc., area between the said curves (the region should be clearly identifiable).

### **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.

### **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:**

### **Abstract Algebra:**

Definition and example of groups. General properties of groups, Order of an element of a group. Permutations: Even and Odd permutations. Groups of permutations. Cyclic group, Cayley's theorem. Subgroups, Cosets, Lagrange's theorem, Product Theorem of

subgroups, Conjugate elements, conjugate complexes, Centre of a group, Simple group, centre of group, Normaliser of an element and of a complex. Normal subgroups, quotient Groups, Group homomorphism and isomorphism with elementary basic properties, fundamental theorem of homomorphism in groups. Isomorphism theorems of groups.

### **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.

### **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.

### **Calculus:**

Polar Co-ordinates. Angle between radius vector and the tangent. Angle between curves in polar form. Length of polar sub-tangent and polar 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, 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. Quadrature and Rectification. Volume and Surfaces of solids of revolution. Differentiation and integration under the sign of integration. Evaluation of double and triple integrals and their applications in finding areas and volumes. Dirichlet's integral. Change of order of integration and changing into polar co-ordinates.

### **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.

### **Vector Calculus:**

Curl, Gradient and Divergence & Identities involving these operators and related problems. Problems based on Stoke, Green and Gauss theorems.

### **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.

### **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.

### **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 constraints). Convex sets and their properties. Simplex Method. Concepts of duality in linear programming. Framing of dual programming. Assignment problems, Transportation problems.

### **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, convergence, Estimation of errors, Transcendental and polynomial equations, bisection method, method of iteration, Trapezoidal, Simpson's and Weddle's rules. Solution of linear difference equations with constant and variable coefficients. Solution of Algebraic and Transcendental equations, Iterative, Regula Falsi and Newton Raphson methods. Convergence, First and higher order homogeneous linear difference equations, non-homogenous linear difference equations, Complementary functions, Particular integral.

## **Part- III**

### **Teaching Methods:**

- Meaning and Nature of Mathematics.
- General and Specific objectives of Mathematics Teaching and Bloom Taxonomy.
- Methods of Mathematics Teaching (analytic, synthetic, inductive, deductive, heuristic, Project & Laboratory).
- Supervised – study, Programmed Learning, Constructive Learning in Mathematics.
- Importance & meaning of Lesson Plan (Herbertian Approach), Unit Plan (Morrison Approach).

- Audio-Visual aids in Mathematics.
- Concept of Correlation and its types in context of relationship with other school subjects.
- Academic & Professional characteristics of Mathematics Teacher.
- Principle of curriculum development in mathematics.
- Contribution of Indian Mathematician.
- Evaluation in Mathematics in terms of Cognitive, Affective and Psycho-motor Domain.
- Importance and characteristics of Unit test, Achievement test, Diagnostic test and steps of their preparation.
- Diagnostic & Remedial programmes for retarded children and enrichment programmes for gifted children.

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**Total - 300 marks**

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# RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

## SYLLABUS FOR EXAMINATION FOR THE POST OF

### SR.TEACHER

### SANSKRIT EDUCATION DEPARTMENT

### PAPER- II

### SCIENCE

#### Part- I

##### Secondary and Senior Secondary Standard:

- **Cell and Molecular Biology:** Structure and functions of cell and cell organelles, Nucleic acids, DNA and RNA; Central dogma; Structure and functions of Proteins, Carbohydrates and Lipids.
- **Genetics:** Mendelian work and Mendelism; Blood groups, Rh factor and Genetic disorders.
- **Taxonomy:** Five Kingdom System; classification and characteristics of major phylums of Animal Kingdom (Protozoa to Chordata) and Plant groups (Algae to Angiosperms).
- **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; gene cloning, cloning vectors, DNA amplification, Polymerase Chain Reaction.
- **Microbiology:** Eukaryota, Prokaryota; 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 and Respiration:** Photosynthetic pigments; Photo systems; Red drop phenomenon; Emmerson effect; Light reaction, Dark reaction (C3 cycle); Bacterial photosynthesis and Chemosynthesis; Factors affecting photosynthesis. Respiration: Types of respiration; Glycolysis, Kreb cycle; Respiratory quotient; Fermentation.

- **Enzymes:** Structure, Classification, Mechanism of Action and Factors affecting enzyme activities.
- **Plant Growth and Development:** Differentiation, Dedifferentiation and Redifferentiation. Structure Discovery and Roles of Plant Growth Regulators - Auxin, Gibbrellins, Cytokinins, Ethylene and Abscisic acid.
- **Animal Developmental Biology:** Gametogenesis, Fertilization, Cleavage, Gastrulation, Organogenesis.
- **Evolution:** Lamarkism, Darwinism, Natural selection, Adaptation, Neo-Darwinism, Neo-Lamarkism; Concept of species and speciation.
- **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.
- **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,  $(n+1)$  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 compounds. 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:** Concept of vector quantity and vector, 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, power.
- **Rotational Motion:** Angular momentum, torque, centripetal & centrifugal force, moment of inertia, rolling motion.
- **Friction:** Origin of friction, quantifying frictional forces, types of friction.
- **Gravitation:** Universal laws of gravitation, gravitational acceleration ( $g$ ), variation of  $g$ , orbital velocity, escape velocity, planetary motion, Kepler's law.
- **Properties of Matter:** Hook's law, young's modulus, bulk modulus, tortional rigidity, Application of elastic behaviour.
- **Fluid dynamics:** Types of flow of liquid, critical velocity, coefficient of viscosity, terminal velocity, Stoke's law, Reynold's number, Bernoulli's theorem, and applications.
- **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:** Post Mendelian work, gene interaction, regulation of gene expression in prokaryotes and eukaryotes, linkage, crossing-over, physical mapping, sex determination and sex linked inheritance, maternal inheritance. Mutations and chromosomal aberrations.
- **Animal Taxonomy:** Methods of taxonomic collections; Classification and characteristics of animal kingdom up to class level.
- **Representative Animals:** Life cycle, external and internal features of *Paramecium*, *Fasciola*, Earthworm, Cockroach and Frog.
- **Taxonomy of Angiosperms:** Classification of Angiosperms; Types of inflorescence; Economic importance and Characteristic features of families - Euphorbiaceae, Solanaceae, Malvaceae, Convolvulaceae, Fabaceae, Asteraceae and Poaceae. Floral formula and floral diagram.
- **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. Environmental laws; Major environmental issues - Global warming, Greenhouse effect, Acid rain, El-Nino and La-nina, Ozone depletion, Deforestation, Carbon emission, Radiation hazards.
- **Biotechnology:** Genetic engineering, Gene transfer techniques; genomic library; plant and animal tissue culture; Genetically Modified crops. Application of biotechnology in agriculture and medicine; Transgenic animals and plants. DNA finger printing. Ethical issues; Biopiracy.
- **Cryptogams:** General characteristics, Classification, Reproduction and Types of life cycles of Algae, Fungi, Bryophytes and Pteridophytes.
- Seed Plants:** General characteristics, evolution of seed habit. Classification, general character and Reproduction in Gymnosperms.
- **Plant Anatomy:** Apical Meristem, abnormal histological organisation of stem - medullary and cortical vascular bundles, abnormal secondary growth in stems.
- Reproduction in Plants:** Double fertilization, types of embryos and endosperms, polyembryony, apomixes, parthenocarpy.

- **Water Relations:** Transpiration, Guttation, mechanism of stomatal movement, factors affecting transpiration, mechanism of phloem transport.
- **Plant Nutrition:** Macro and Micro Nutrients – their role and deficiency symptoms.
- **Photosynthesis and Respiration:** C<sub>3</sub>, C<sub>4</sub> cycle and Crassulacean Acid Metabolism. Photophosphorylation - chemiosmotic hypothesis. Photorespiration. **Respiration:** Electron Transport Chain and Oxidative phosphorylation.
- **Plant Growth and Development:** Kinetics of growth, photoperiodism, vernalisation, seed dormancy, senescence, Physiology of flowering and fruit development.
- **Animal Developmental Biology:** Extra embryonic 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 bees 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, vapour 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  $\lambda_{\max}$  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.
- **Mechanics:** Conservation laws, Centre of mass, elastic and inelastic collision, damped & forced oscillations.
- **Classical Electrodynamics:** Coulomb's law, electric field and potential, dipole, dielectric, Gauss's theorem and application, Maxwell's equations.
- **Wave Optics:** Huygen's principle, Interference of light, double slit experiment, diffraction of light, single slit diffraction, 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 and Legendre transformation. Statistical description of system of particles: ensemble, basic postulates, and density of states.
- **Quantum Mechanics:** Postulates of quantum mechanics, uncertainty principle, Schrodinger equation, harmonic oscillator and its stationary state, one dimensional wells and barriers. Linear vector spaces and Operators.
- **Modern Physics:** Special theory of relativity, nuclear physics and radioactivity, Structure of atom, wave property of matter, particle physics.

### 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 – 2005 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, multi-sensory teaching aids.
- Science laboratory and its importance, Co-curricular activities- science-club, science quiz, science fair and field trip.
- Evaluation- Concept, type and purposes, types of test items, preparation of blue print.

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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 carrying the number of marks as shown against them:-

(i) Knowledge of Secondary and Senior 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**

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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

#### URDU

भाग	1	2	3
	180	80	40

#### भाग -1 KNOWLEDGE OF SECONDARY AND SENIOR SECONDARY STANDARD

##### ABOUT URDU SUBJECT M.M:180

(1) - ٹھہر:

I - اردو زبان سے متعلق سوالات:

(الف) زبان کا تعارف (ب) صحیح لفظ (ن) مانی الفاظ

II - سہاں پر ہنی سوالات

(الف) زاد بودست از پر نہم چند، اوس از خوبیہ حسن بخالی، احسان کا بدلہ از ڈاکٹر اکبر حسین، وقت از اپنی نذری حمد  
(ب) زبانوں کا مگر از سید احتشام حسین، خدا کے امداد از گرینگور یو ہیو جیر فون ہنرے، آدمی کی کہانی از محمد حبیب،  
کارتوں از حبیب تھیری

(ج) سرگزشت آز بو جنت بادشاہی از بیرن، سویرے - جوکل ہنگہ بہری کھلی از پھر س نثاری،  
پوچھی کا جوڑا از عصمت پنھانی

(د) غشی ہر کو پال لفظ کے کام از مرزا نواب، نو توڑہ از قرۃ این حیدر، بختر از خوبیہ حسن بخالی،  
نائب ہدیہ شعرا کی ایک جگہ میں از سہنیاں ایں کپور  
مصنفوں کی سوانح جیات اور طرز تحریر:

بیرن، محمد حسین آرتو، جلی نہانی، ترڑا این حیدر، جادوگر، کرش چدر، غشی پر نہم چند

(2) مکھوتوں:

I - مکھوتوں پر ہنی سوالات:

(الف) ایک دیہاں لوکی کا گیت: ختر شیریش، ایک پورا اور جگاس: اسائیں بیرنچی، بھار کے دن: فخر بیرنچی  
(ب) بھی بور بدی: نظیر اکبر ناودی، کوئی سید و نبیں آتی: نائب کی فریل، پہاڑ اور گھری: اقبال

اس شریف نہادو: ساحد لدھیانی

(ن) ولی (i) شراب شوق میں سرشار چیز نام (ii) کیانے شراب نے غلام کوں قب آہتے آہتے

اسو:

ہش (۱) اس توئی جہاں میں بے تحریف انسان کیا  
 نظر اکبر آبادی : آدمی نامہ ، اکبر آبادی : مستقل ، علامہ اقبال : شعائیں اسید ،  
 جو شمع آبادی : الیلی صحیح ، میر انسیں : شہادت دفتر سے جواہی  
 (۲) غزل :

(۱) مولا نا حالی : اب بھاگتے ہیں سایہ بیرون پاں سے ہم  
 (۲) میں انسن ہذی : زندگی بے تکبر حال بمرنجی ہو گئی  
 (۳) نام راشد : زندگی سے ڈرتے ہو  
 شہر کی سوچ حیات اور نصوص صفات کا مام  
 وقی ، نظری ، درد ، اکبر ، انسیں ، ایمانیل ہیرشی ، حال ، نام راشد

(۳) عرضی فوگی ، مضمون فوگی ، خطوط پیغامی :

(۱) عرضی نویسی  
 (۲) مضمون فوگی : بیانی مضمون ، ادبی مضمون ، اخلاقی و مکانی مضمون ، (استدالی ، مجازی ، فخری ، بیانی)  
 (۳) خطوط پیغامی :  
 نجی بطل : سرکاری بطل : تشریقی بطل

(۴) قوہد :

(الف) اسی نظریہ صفت : فعل اور اسکی اقسام

(ب) تعدد : تذکرہ و تائیث : متناویانہ : مترادفات : معاورات

(۵) اردو بولبکی تاریخ :

(الف) (۱) اردو زبان کی ابتداء اور ارتقا ، (۲) کتابخانہ کی اولیٰ خدمات

(ب) اردو کی اہم اصناف : نظم : اشعار : فاکٹر : انشائی

(۶) سرچی مطالعہ :

(۱) بیوی کی بیوی از آنٹھ کا شیری (۲) مردوم کی بادیں از پھرس بخاری

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

#### I - نظر

(الف) درج ذیل سیاق و باق پر بنی سوالات:

(i) اپنی مدآپ از	سریہ	(ii) لکھنؤ کی ریاست زندگی کی ایک جملہ از	سرشار
(iii) تک کا وارونہ از	پرہم پندر	(iv) مظلوم کی فریاد از	راشد الجیری
(v) شیخ ہبھو از	یارباش	(vi) رشید احمد صدیقی از	فرمات اللہ بیگ

(ب)	درج ذیل اربی مختونات پرچمی سوالات :
(i)	اردو ذرائے کافن اور تاریخ کی اربی خدمات
(ii)	نالب کے خطوط (vii) سوانح تاریخی (v) ائمہ تیموری
لکھ	۔۔۔۔۔
(الف)	درج ذیل شعراء پرچمی سوالات :
(iv)	(i) تیر (ii) در (iii) حانی (iv) میون
لکھ	۔۔۔۔۔
(ب)	درج ذیل شعری اصناف پرچمی سوالات :
(i)	(i) غزل (ii) قصیدہ (iii) مرثیہ
لکھ	۔۔۔۔۔
III	درج ذیل صفتیں پرچمی سوالات :
(i)	(i) تشیید : (ii) استعارہ : (iii) ایهام : (iv) تضاد : (v) مبالغہ : (vi) صیغہ غلیل : (vii) صیغہ فیض
لکھ	۔۔۔۔۔
IV	تاریخ ادب اردو :
(i)	(i) شاعر مدنیں اردو شاعر کا آغاز (ii) سریدھر یک

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

I	زبان کی مہارتیں :	پڑھنا: ترکیب و تخلیل طریقہ کار، حروف چینی کا طریقہ، سوئی طریقہ، لفظ واری طریقہ،
(الف)	جملہ واری طریقہ، تنس و مدرسی طریقہ	لکھنا: لکھنا سکھانے کے طریقے:
(ب)	ابجدی طریقہ، پستا لوزی طریقہ، مانگوئی طریقہ، پڑھو ہوئکا طریقہ	مدرسی طریقہ کار:
II	ڈایریکٹریٹ کار، طریقہ تقویش، مسلکا طریقہ، شفیقی طریقہ، مطالعہ زیرگردنی، آخر ایجی اور اسٹریٹیجی طریقہ	پڑھانے کی تراکیب و مہارتیں :
III	سوداٹ و جولبات، مہارت روائی سوھات، مہارت تعمیر، مہارت استعمال سخت سیاہ اسپاچ کی مدرسیں :	(الف) پڑھی اسپاچ، (ب) مدرسیں اظہم، (ج) مدرسیں قواعد
IV		

For the competitive examination for the post of senior teacher. The question paper will carry maximum 300 marks.

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.
	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
3	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**

**PUNJABI**

**ਸੈਕੰਡਰੀ ਅਤੇ ਸੀਨੀਅਰ ਸੈਕੰਡਰੀ ਪੱਧਰ ਨਾਲ ਸੰਬੰਧਿਤ ਪਾਠਕ੍ਰਮ**

**ਕੁੱਲ ਅੰਕ : 180**

- 1. ਸੂਫੀ-ਕਾਵਿ:** ਬਾਬਾ ਸ਼ੇਖ ਛਰੀਦ, ਸ਼ਾਹ ਹੁਸੈਨ, ਸੁਲਤਾਨ ਬਾਹੂ, ਬੁੱਲੇ 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 :** ਦਮੇਦਰ, ਪੀਲੂ, ਵਾਰਸ਼ ਸਾਹ, ਹਾਸ਼ਮ ਸਾਹ, ਕਾਦਰਯਾਰ, ਫਜ਼ਲ ਸਾਹ।
- 5. ਆਧੁਨਿਕ-ਕਾਵਿ :** ਫੀਰੋਜਦੀਨ ਸ਼ਰਦ, ਭਾਈ ਵੀਰ ਸਿੰਘ, ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਿਕ, ਪ੍ਰੇ: ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰੇ: ਮੇਹਨ ਸਿੰਘ, ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਫੀਰ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਸ. ਤਾਰਾ ਸਿੰਘ, ਡਾ. ਜਗਤਾਰ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰਾ।
- 6. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ :-**
  - (ਉ) ਨਾਵਲ :- ਪ੍ਰੇ: ਗੁਰਦਿਆਲ ਸਿੰਘ।
  - (ਅ) ਕਹਾਣੀ :- ਗਿਆਨੀ ਗੁਰਮੁਖ ਸਿੰਘ ਮੁਸਾਫਿਰ, ਪ੍ਰੰ: ਸੁਜਾਨ ਸਿੰਘ, ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ, ਕਰਤਾਰ -ਸਿੰਘ ਦੁੱਗਲ, ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ, ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ, ਅਜੀਤ ਕੌਰ, ਗੁਰਬਚਨ ਸਿੰਘ ਭੁੱਲਰ, ਰਾਮ ਸਰੂਪ ਅਣਖੀ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼, ਡਾ. ਗੁਰਦੇਵ ਸਿੰਘ ਰੁਪਾਣਾ।
- 7. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਇਕਾਂਗੀ :** ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ, ਸੰਤ ਸਿੰਘ ਸੇਖੋ, ਹਰਚਰਨ ਸਿੰਘ, ਬਲਵੰਤ -ਗਾਰਗੀ, ਗੁਰਚਰਨ ਸਿੰਘ ਜਸੂਜਾ, ਗੁਰਦਿਆਲ ਸਿੰਘ ਖੇਸਲਾ, ਗੁਰਸ਼ਰਨ ਸਿੰਘ, ਪਾਂਧੀ ਨਨਕਾਣਵੀ।
- 8. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ :**
  - (ਉ) ਨਿਬੰਧ : ਸ਼ਰਧਾ ਰਾਮ ਫਿਲੋਰੀ, ਲਾਲ ਸਿੰਘ 'ਕਮਲਾ ਅਕਾਲੀ', ਪ੍ਰੰ: ਤੇਜਾ ਸਿੰਘ, ਗਿਆਨੀ -ਗੁਰਦਿੱਤ ਸਿੰਘ, ਡਾ. ਸੋਹਿੰਦਰ ਸਿੰਘ 'ਵਣਜਾਰਾ ਬੇਦੀ', ਬਲਰਾਜ ਸਾਹਨੀ।
  - (ਅ) ਜੀਵਨੀ : ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ।
  - (ਇ) ਸਵੈ ਜੀਵਨੀ : ਪ੍ਰੇ: ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰੰ: ਤੇਜਾ ਸਿੰਘ, ਪ੍ਰੰ: ਸਾਹਿਬ ਸਿੰਘ, ਗੁਰਬਖਸ਼ ਸਿੰਘ 'ਪ੍ਰੀਤਲੜੀ', ਡਾ. ਮਹਿੰਦਰ ਸਿੰਘ ਰੰਧਾਵਾ, ਨਾਨਕ ਸਿੰਘ, ਪ੍ਰੰ: ਸ. ਸ. ਅਮੇਲਾ।
- 9. ਸਾਹਿਤ ਬੋਧ :** (ਪਰਿਭਾਸ਼ਾ ਤੇ ਤੱਤ)
- (ਉ) ਸਾਹਿਤ ਰੂਪ ਅਤੇ ਵੰਨਗੀਆ :** ਕਵਿਤਾ, ਨਿਬੰਧ, ਸਫਰਨਾਮਾ, ਜੀਵਨੀ, ਸਵੈ ਜੀਵਨੀ, ਨਾਵਲ, ਨਿੱਕੀ ਕਹਾਣੀ, ਇਕਾਂਗੀ ਅਤੇ ਨਾਟਕ।
- (ਅ) ਛੰਦ :** ਦੇਹਰਾ, ਬੈਂਤ, ਦਵੱਈਆ, ਕਬਿੱਤ, ਕੋਰੜਾ ਅਤੇ ਚੌਪੈਈ।
- (ਇ) ਅਲੰਕਾਰ :** ਰੂਪਕ, ਉਪਮਾ, ਅਨੁਪ੍ਰਾਸ, ਅਤਿਕਥਨੀ ਅਤੇ ਦ੍ਰਿਸ਼ਟਾਂਤ।
- (ਸ) ਰਸ :** ਸਿੰਗਾਰ, ਹਾਸ, ਕਰੁਣ, ਰੌਦਰ, ਬੀਰ, ਭਿਆਨਕ, ਵੀਡਤਸ, ਅਦਭੁੱਤ, ਸ਼ਾਂਤ ਰਸ।

## 10. ਪੰਜਾਬੀ ਵਿਆਕਰਣ (ਪਰਿਭਾਸ਼ਕ ਤੇ ਵਿਹਾਰਕ ਅਧਿਐਨ):

ਨਾਵਾਂ, ਪੜਨਾਵਾਂ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ, ਸੰਬੰਧਕ, ਯੋਜਕ, ਕਾਰਕ, ਵਿਸਥਿਕ, ਲਿੰਗ, ਵਚਨ, ਵਿਰੋਧੀ ਸ਼ਬਦ, ਬਹੁਅਰਥਕ ਸ਼ਬਦ, ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ, ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ 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 :-**

(ਇ) ਸੂਫ਼ੀ ਕਾਵਿ ਧਾਰਾ (ਅ) ਗੁਰਮਤ ਕਾਵਿਧਾਰਾ (ਇ) ਕਿੱਸਾ ਕਾਵਿਧਾਰਾ (ਸ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਬਵਿਤਾ (ਹ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਨਾਵਲ ਤੇ ਨਿੱਕੀ ਕਹਾਣੀ (ਕ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ

**(2) ਸੂਫ਼ੀ ਕਵੀ :-** ਬਾਬਾ ਸ਼ੇਖ ਫਰੀਦ, ਸ਼ਾਹ ਹੁਸੈਨ, ਬੁੱਲ੍ਹੇ ਸ਼ਾਹ, ਮੀਆਂ ਵਜੀਦ।

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

**(4) ਕਿੱਸਾ ਕਵੀ:-** ਦਮੇਦਰ, ਪੀਲੂ, ਹਾਫਿਜ਼ ਬਰਖੁਰਦਾਰ, ਵਾਰਿਸ ਸ਼ਾਹ, ਹਾਸ਼ਮ ਸ਼ਾਹ, ਕਾਦਰਯਾਰ ਅਤੇ ਫਜ਼ਲ 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, ਪ੍ਰੇ: ਪੂਰਨ ਸਿੰਘ, ਪ੍ਰੇ:ਮੇਹਨ ਸਿੰਘ, ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਪ੍ਰੀਤਮ ਸਿੰਘ ਸਫੀਰ, ਸ.ਸ. ਮੀਸ਼ਾ, ਡਾ.ਹਰਿਭਜਨ ਸਿੰਘ, ਸਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰ।

**(7) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ :**

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

(ਅ) ਕਹਾਣੀ : ਗੁਰਬਖਸ਼ 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 ਐਲਖ।

**(9) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ :** -

(ਇ) ਨਿਬੰਧ : ਸ਼ਰਧਾ ਰਾਮ ਫਿਲੋਰੀ, ਪ੍ਰੰ: ਤੇਜਾ ਸਿੰਘ, ਦੇਵਿੰਦਰ ਸਤਿਆਰਥੀ, ਮਹਿੰਦਰ ਸਿੰਘ ਰੰਧਾਵਾ, ਗਿਆਤੀ ਗੁਰਦਿੱਤ ਸਿੰਘ, ਸੋਹਿੰਦਰ ਸਿੰਘ 'ਵਣਜਾਰਾ ਬੇਦੀ', ਪ੍ਰੰ: ਸਰਵਣ ਸਿੰਘ।

(ਅ) ਸਫਰਨਾਮਾ : ਲਾਲ ਸਿੰਘ 'ਕਮਲਾ ਅਕਾਲੀ', ਬਲਰਾਜ ਸਾਹਨੀ, ਮਨਮੇਹਨ 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 :** ਢੇਲਾ, 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 (ਇ) ਨਾਵਲ ਤੇ ਨਿੱਕੀ ਕਹਾਣੀ (ਸ) ਨਿਬੰਧ (ਹ) ਸਫਰਨਾਮਾ (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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