Scheme and Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Preliminary (Screening Test)

<table>
<thead>
<tr>
<th>Written Examination (Objective Type)</th>
<th>No. of Questions</th>
<th>Duration (Minutes)</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>150</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>General Studies, General Abilities and Basic Proficiency in English</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Syllabus

Paper: General Studies, General Abilities and Basic Proficiency In English

Section-I: General Studies

2. Indian Constitution; Indian Political System; Governance and Public Policy.
3. Social Exclusion; Rights issues such as Gender, Caste, Tribe, Disability etc. and inclusive policies.
4. Society Culture, Civilization Heritage, Arts and Literature of India and Telangana
5. General Science; India’s Achievements in Science and Technology
7. Economic and Social Development of India and Telangana.
8. Socio-economic, Political and Cultural History of Telangana with special emphasis on Telangana Statehood Movement and formation of Telangana state.

Section-II: General Abilities

10. Moral Values and Professional Ethics in Education.
11. Teaching Aptitude
Section – III: Basic Proficiency in English

i) School Level English Grammar:
   Articles; Tense; Noun & Pronouns; Adjectives; Adverbs; Verbs;
   Modals; Subject-Verb Agreement; Non-Finites; reported speech;
   Degrees of Comparison; Active and Passive Voice; Prepositions;
   Conjunctions; Conditionals.

ii) Vocabulary:
   Synonyms and Antonyms; Phrasal Verbs; Related Pair of Words;
   Idioms and Phrases; Proverbs.

iii) Words and Sentences :
   Use of Words ; Choosing Appropriate words and Words often
   Confused; Sentence Arrangement, Completion, Fillers and
   Improvement; Transformation of Sentences ; Comprehension;
   Punctuation; Spelling Test; Spotting of Errors.
Scheme of Main Examination for the post of Trained Graduate Teacher in Residential Educational Institution Societies

<table>
<thead>
<tr>
<th>Written Examination (Objective Type)</th>
<th>No. of Questions</th>
<th>Duration (Minutes)</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper – I Pedagogy of Concerned</td>
<td>150</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Paper – II Subject Discipline Knowledge/Concerned Subject</td>
<td>150</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>300</td>
</tr>
</tbody>
</table>
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

PAPER-I: కార్యక్రమం పరీక్ష - పరీక్షలు

1. కార్యం: సంఘారణ - సంఘారణ మండాల, ప్రమాణం మండాల, మండాల మండాల, మండాల మండాల, ప్రమాణం ప్రమాణం, ప్రమాణం ప్రమాణం,

2. కార్యం ప్రపంచం కార్యక్రమం కార్యక్రమం: ప్రమాణం, ప్రమాణం, ప్రమాణం ప్రమాణం (పరీక్షలు), పరీక్షలు.


4. కార్యం ప్రపంచం కార్యక్రమం: ప్రమాణం, ప్రమాణం, ప్రమాణం, ప్రమాణం కార్యక్రమం.

5. కార్యం ప్రపంచం కార్యక్రమం కార్యక్రమం: పరీక్షలు పరీక్షలు పరీక్షలు పరీక్షలు, పరీక్షలు, పరీక్షలు పరీక్షలు, పరీక్షలు.

6. కార్యం ప్రపంచం కార్యక్రమం కార్యక్రమం: కార్యం పరీక్షలు - పరీక్షలు - పరీక్షలు - పరీక్షలు (పరీక్షలు), పరీక్షలు - పరీక్షలు పరీక్షలు పరీక్షలు.

7. కార్యం ప్రపంచం కార్యక్రమం కార్యక్రమం: కార్యం పరీక్షలు - పరీక్షలు, పరీక్షలు పరీక్షలు (పరీక్షలు) పరీక్షలు - పరీక్షలు.

8. కార్యం ప్రపంచం కార్యక్రమం - పరీక్షలు పరీక్షలు: పరీక్షలు పరీక్షలు పరీక్షలు - పరీక్షలు - పరీక్షలు, పరీక్షలు పరీక్షలు పరీక్షలు.

9. కార్యం ప్రపంచం - పరీక్షలు - పరీక్షలు పరీక్షలు.

10. కార్యం ప్రపంచం - పరీక్షలు పరీక్షలు - పరీక్షలు, పరీక్షలు పరీక్షలు పరీక్షలు, పరీక్షలు పరీక్షలు పరీక్షలు.
Paper –II : తెలుగు లేఖన శాస్త్రము
(Telugu Language & Literature)

1. భావం, భావనాం, భావం, భావం - అధ్యోపాధ్యాయం: అభివృద్ధి, పాఠం, పాఠం - పిల్లె, పిల్లె

2. పిల్లె (పిల్లె) - పిల్లె - పిల్లె
   A. పిల్లె (పిల్లె) - అభివృద్ధి - పిల్లె - పిల్లె, పిల్లె (పిల్లె) - పిల్లె - పిల్లె (పిల్లె) పిల్లె
   B. పిల్లె (పిల్లె) - పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె

3. పిల్లె (పిల్లె) - పిల్లె - పిల్లె, పిల్లె (పిల్లె) - పిల్లె /పిల్లె /పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె

4. అభివృద్ధి పిల్లె - పిల్లె - పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె, పిల్లె /పిల్లె

5. పిల్లె వారి అభివృద్ధికి మూడు సంవత్సరం
   a. పిల్లె, పిల్లె - పిల్లె - పిల్లె, పిల్లె
   b. పిల్లె వారి అభివృద్ధికి మూడు సంవత్సరం

6. పిల్లె పిల్లె:
   కార్యం అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం,

7. కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం, కార్యాలో అధికం,

8. కార్యాలో అధికం

9. కార్యాలో కార్యాలో

10. కార్యాలో కార్యాలో
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I: Pedagogy of English Language

1. The Nature of language and its Historical Development; First Language; Second Language and Third Language; Different Types of Languages; Mother Tongue; Languages of Different Professions; Importance of languages across School Curriculum; Contributions of Creative Writers.

2. Values, Aims and Objectives of Teaching Languages

3. Child Development; Psychology of Teaching and Learning Languages; Language, Thinking and Creativity.

4. Language Curriculum: Construction, Organization and Development

5. Language Skills; Planning for Effective Instruction in Language Classrooms: Different Plans and Designing Learning Experiences.

6. Approaches, Methods and Techniques of Teaching Languages with special reference to School Content (Prose/Fiction/Poetry/Drama/Essay)

7. Teaching and Learning Resources and Designing Instructional Material for Languages; Language Labs; Teaching Aids; Textbooks; ICT in Language Teaching and Learning

8. Measurement and Evaluation in Languages: Continuous and Comprehensive Evaluation (CCE); Tools and Techniques of Evaluation; Achievement and Diagnostic Tests.

9. Learning Disabilities/Difficulties and Education of Exceptional/Disabled Children in Languages

Paper –II: English Language & Literature

Part-A
I. Reading Comprehension of unseen passage.

II. Grammar and Vocabulary.

1) Parts of Speech; 2) Subject and predicate; 3) Types of sentences – Transformations; 4) Conjunctions (Linkers; connectors; cohesive devices); 5) Verbs (Regular and Irregular) and modals; 6) Tense and Time; 7) Prepositions; 8) Adverbs – types and their order in sentences; 9) Adjectives including Degrees of Comparison and also Quantifiers; 10) Articles – Determiners. 11) Clauses; (Noun Clauses – Adjective clauses; adverbial clauses); 12) Voice; 13) Direct and Indirect Speech; 14) Infinitives; gerunds; participles; 15) Phrasal verbs; Idioms; prepositional phrases; (Noun phrases; verb phrases; adverbial phrases); 16) Forming Questions and Question Tags.; 17) Correction of Sentences.; 18) Figures of Speech; 19) Antonyms; 20) Synonyms; 21) Homophones; 22) Homonyms; 23) Affixation; 24) Spelling; 25) Vocabulary in context; 26) Proverbs; 27) One word substitutes; 28) Composition: Paragraph, essay, expansion, précis, Letter writing, message, notice, article and report writing.

III. Aspects of pronunciation:
1. Vowel and consonant Sounds and phonemes
2. Stress: word and sentence stress.
3. Intonation: Four basic patterns of intonation.

IV. Punctuation.

PART-B
Literature:
I) Comprehension of

1) Literary prose passage and
2) A poem

II) Study of Literary forms:

1) Poetry: Sonnet, ode, elegy, Ballad, Lyric, Dramatic Monologue
2) Prose:
   a) Drama (Structure, Characters, dialogues, Soliloquy, tragedy, comedy, Tragi-comedy)
   b) Fiction: - (point of view, setting atmosphere; style; Technique of Narration.)
Lord Tennyson, Robert Browning, Mathew Arnold, George Eliot, Thomas Carlyle and John Ruskin.

### III. Poetry

<table>
<thead>
<tr>
<th>Name of the Poet</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarojini Naidu</td>
<td>In The Bazaars of Hyderabad</td>
</tr>
<tr>
<td>Rw Emerson</td>
<td>A Nation’s Strength</td>
</tr>
<tr>
<td>RL.Stevenson</td>
<td>My Shadow</td>
</tr>
<tr>
<td>Alfred Tennyson</td>
<td>Home They Brought Her Warrior Dead</td>
</tr>
<tr>
<td>Elizabeth Barrett Browning</td>
<td>The Cry of Children</td>
</tr>
<tr>
<td>Rabindranath Tagore</td>
<td>My Mother; Freedom.</td>
</tr>
<tr>
<td>C A Bowels</td>
<td>The River</td>
</tr>
<tr>
<td>Gabriel Okara</td>
<td>Once Upon A Time</td>
</tr>
<tr>
<td>Medora Chevalier</td>
<td>Or Will The Dreamer Awake?</td>
</tr>
<tr>
<td>Dr. SurayaNasim</td>
<td>Abandoned</td>
</tr>
<tr>
<td>Khalil Gibran</td>
<td>On Friendship</td>
</tr>
<tr>
<td>Shiv K.Kumar</td>
<td>Mother’s Day</td>
</tr>
<tr>
<td>William Wordsworth</td>
<td>Anecdote For Fathers</td>
</tr>
<tr>
<td>Edwar Lear</td>
<td>The Duck And The Kangaroo</td>
</tr>
<tr>
<td>Harry Behn</td>
<td>Trees</td>
</tr>
<tr>
<td>Lily Usher</td>
<td>Grabbing Everything On The Land</td>
</tr>
<tr>
<td>HarindranathChatopadhyaya</td>
<td>The Earthen Goblet</td>
</tr>
<tr>
<td>Don Marquis</td>
<td>A Spider And A Fly</td>
</tr>
</tbody>
</table>

### Prose

<table>
<thead>
<tr>
<th>Name of the Essayist/ Writer/Novelist</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>APJ Kalam</td>
<td>Wings Of Fire</td>
</tr>
<tr>
<td>RK.Narayan</td>
<td>Swami And Friends</td>
</tr>
<tr>
<td>Charles Dickens</td>
<td>Oliver Twist</td>
</tr>
<tr>
<td>Jonathan Swift</td>
<td>Gulliver Travels</td>
</tr>
<tr>
<td>Sudha Murthy</td>
<td>1. Gender Bias</td>
</tr>
<tr>
<td></td>
<td>2. How I Taught My Grandmother To Read And Other Stories</td>
</tr>
<tr>
<td>Isaac Asimov</td>
<td>Robots And People</td>
</tr>
<tr>
<td>Name of the Writer</td>
<td>Title</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>O.Henry</td>
<td>After Twenty Years</td>
</tr>
<tr>
<td>R.K. Laxman</td>
<td>The Gold Frame</td>
</tr>
<tr>
<td>E.V. Lucas</td>
<td>The Face On The Wall</td>
</tr>
<tr>
<td>Oscar Wilde</td>
<td>The Nightingale And The Rose</td>
</tr>
<tr>
<td>Satyajit Ray</td>
<td>Bepin Choudhury's Lapse of Memory</td>
</tr>
<tr>
<td>A.G. Gardiner</td>
<td>On Umbrella Morals</td>
</tr>
<tr>
<td>Stephen Leacock</td>
<td>How To Live To Be 200</td>
</tr>
<tr>
<td>George Orwell</td>
<td>Animal Farm</td>
</tr>
</tbody>
</table>

### Drama / Play

<table>
<thead>
<tr>
<th>Name of the Writer</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.B. Priestley</td>
<td>Mother’s Day</td>
</tr>
<tr>
<td>William Stanley Houghton</td>
<td>The Dear Departed</td>
</tr>
<tr>
<td>Cedric Mount</td>
<td>The Never Never Nest</td>
</tr>
<tr>
<td>Fritz Karinthy</td>
<td>The Refund</td>
</tr>
<tr>
<td>G.B. Shaw</td>
<td>Saint Joan</td>
</tr>
<tr>
<td>Shakespeare</td>
<td>Julius Caesar</td>
</tr>
</tbody>
</table>

The Candidates are expected to have a thorough knowledge of the above mentioned poets, essayists, novelists and dramatists and their respective works mentioned at the level that is expected of a student of literature.
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper – I: Pedagogy of Hindi Language

हिन्दी भाषा शिक्षण

1. भाषा की प्रकृति: भाषा का ऐतिहासिक विकास; विभिन्न प्रकार की भाषाएँ : मातृभाषा; प्रथम भाषा; द्वितीय भाषा; तत्त्वात्मक भाषा; पाठ्यालय पाठ्यक्रम में भाषाओं का महत्व; विभिन्न व्यवसायों से जुड़ी भाषाएँ; रचनात्मक लेखकों का योगदान

2. भाषा शिक्षण: मूल्य; लक्ष्य और उद्देश्य; अधिग्रह सामग्रियात्मका (वर्तमान पाठ्यपुस्तकों के आधार पर)

3. बालक का विकास; भाषा शिक्षण और अधिग्रह का मनोविज्ञान; भाषा विचारधा और रचनात्मकता।

4. भाषा पाठ्यक्रम : निर्माण; संगठन और विकास

5. पाठ्यालय विषय वस्तु (गद्दा / उपन्यास/ पद्ला/ नाटक/ निबंध, आदि) के विशिष्ट संदर्भ में भाषा शिक्षण की विधियाँ; प्रश्नालियाँ; उपायम

6. भाषा कौशल; अध्यापन क्षमताएँ भाषा क्षेत्र में अभ्यासी शिक्षण हेतु नियोजन; विभिन्न योजनाएँ तथा अधिग्रह – अनुभवों की अभिकल्पना।

7. भाषा अधिग्रह के संसाधन तथा भाषा शिक्षण सामग्री की रूपरेखा; भाषा प्रयोगशाला; शिक्षण सामग्री; पाठ्यपुस्तक; भाषा शिक्षण–अधिग्रह में सूचना एवं संचार प्रौद्योगिकी।

8. भाषा: मापन और मूल्यांकन; निरंतर समग्र मूल्यांकन (CCE); मूल्यांकन: उपकरण और प्रविधियाँ; उपलब्धि परीक्षण; निदानात्मक परीक्षण।

9. अधिग्रह अक्षमता: असाधारण / अक्षम बच्चों (Children with disability) के लिए भाषा की शिक्षा एवं कठिनाईयाँ।

10. भाषा और दैनिक जीवन; भाषा संबंधी मुद्रे एवं नीतियाँ; विद्यालयीन राष्ट्रीय एवं राज्य पाठ्यचय की सुपरेश्याँ।
Paper - II: Hindi Language & Literature

Unit-1: साहित्यिक विधाएं और विशेषताएं

- हिन्दी गद्य का विकास
- उपन्यास, कहानी, निबंध, एकांकी/नाटक, यात्रा-वृत्तांत, दैनिकी, संस्मरण,
- रेखाचित्र, आत्मकथा / जीवनी

Unit-2: प्राचीन और मध्यकाल

- कवि और उनके काव्य
- विभिन्न प्रवृत्तियाँ और वाद

Unit-3: आधुनिक काल

- कवि और काव्य
- विभिन्न प्रवृत्तियाँ और वाद

Unit-4: हिन्दी भाषा पर अन्य साहित्य / भाषाओं का प्रभाव

Unit-5: हिन्दी भाषा- उपभाषाएं और बोलियाँ

Unit-6: हिन्दी भाषा साहित्य में काव्य शास्त्र-छंद, अलंकार और रस-सिद्धान्त

Unit-7: भाषा तत्त्व और व्याकरण

- शब्द-विचार, शब्द-भेद
- शब्द-विचार-उपसर्ग, प्रत्यय
- शब्द भेद-लिंग, वचन, कारक, काल
- शब्द-रूपाल्पन-शब्द-अर्थ, भिन्नार्थ, पर्याय, विलोम
• शब्द-परिचय-तत्सम, तद्भव, देशज, विदेशी
• वाक्य-संरचना/भेद
• वाच्य
• संधि, समास
• मुहावरे-लोकोक्तियाँ, कहावतें
• वर्तनी
• विशिष्ट प्रयोग-जैसे (चाहिए, अपना...)

Unit-8: व्याकरण
• भाषा- भाग
• परिभाषाएँ
• उदाहरण
• प्रयोजन

Unit-9: अनुवाद
• आवश्यकता और महत्व
• प्रकार
• हिंदी और तेलुगू भाषाओं के व्याकरण का तुलनात्मक अध्ययन

Unit-10: पाठ्य-पुस्तक आधारित
• कवि/लेखक की रचनाएँ
• विषय-वस्तु
• पृष्ठ-भूमि
• चित्र-चित्रण
• भाषा-शैली
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I: Pedagogy of Urdu Language

(Pedagogy of Urdu Language)

1. Concept of Urdu Language
2. Grammar of Urdu Language
3. History of Urdu Language
4. Evolution of Urdu Language
5. Differences between Urdu and Hindi
6. Urdu script and its features
7. Standardization of Urdu
8. Urdu literature and its evolution
9. Urdu education and teaching methods
10. Assessment and evaluation in Urdu teaching

Special Projects in Urdu Language Teaching

I. Akbari Syllabus:
   - Introduction to Urdu
   - Basic Urdu Grammar
   - Advanced Urdu Grammar
   - Urdu Literature
   - Cultural and Social Aspects of Urdu

II. CCE Approach:
   - Comprehensive Continuous Evaluation
   - Outcome-based Education
   - Student-centered Learning
   - Curriculum Development in Urdu

References:

1. Akbari Syllabus
2. CCE Approach
3. Urdu Education in Pakistan
4. Urdu Language and Culture

Assessment:

1. Written Examination
2. Project Work
3. Oral Presentation
4. Practical Demonstration
5. Reflective Journal
Paper -II : Urdu Language & Literature

I. ادبی یونیورسٹی میں ارد-رہوں کا سائیکل۔ اس کا پہلا روز کی جگہ، ناگ باغ کے کچھ مقبول گھر کے لیے کہا گیا تھا۔

II. آدمیوں کا دل، کہتے ہیں کہ سیف کے لیے اور پھر اور دولت کے لیے۔

III. نیاز کے الگ کے

(دوسرے یوں) سوہتنے کے گھرے کے قرآن)

IV. آدمیوں کی کوئی بھی کتاب یا ایک جگہ (سافٹ، نارنجی، نارنجی، نارنجی)

V. اشعار ادب کے مطابق

(یہ میں تھا) میں نے اس طرح کو پڑھا کر ہوئی کی میں کئی اور جگہ ہیں،

(ورہا، ہم ہیں ہونے)

VI. آدمیوں کے سامپ کے

(شکا، شکا کے ٹربیٹ کے)

VII. آدمیوں کی تصویر

(ایک یہ نہیں ہے جنہوں نے مکہ کی نبی کے یہ نبی نہیں، سن کہ زبان، ملائموں کی)

VIII. آدمیوں کی عبادت

(یہ میں کہا ہے کہ اس کے لئے یہ ہے، گھر میں ہے، گھر میں ہے، اور جگہ)

(عطا، خوش ہے، اور جگہ)

(صحابہ کے بہت ہیں، اور جگہ)

(سمتلا، ریزگر ہے، وغیرہ)

IX. کتاب کا انتظام

(یہ میں ہے کہ اس کا انتظام)

NCF 2005
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper – I: संस्कृतम् - भाषाविद्वानशास्त्रम्
(Pedagogy of Sanskrit Language)

1. संस्कृतभाषाय: स्वरुपस्वभावः—ऐतिहासिकविकासः— संस्कृते वैदिक-लौकिक-भाषायो: भेदः - मातृभाषा-
माध्यमभाषा-प्रथमभाषा-द्वितीयभाषा-तृतीयभाषात्वें गृहभाषा-राज्यभाषा-राष्ट्रभाषात्वें च संस्कृतम् ,
संविश्वासे संस्कृतभाषाय: प्राचार्यम्, मनोवैज्ञानिकम्, भिन्नबद्धविभेदः संस्कृतम्, पाठशालात्वें-पाठ्यक्रमे भाषायां
प्राचार्यम्-संस्कृतस्वभाषाम्, सर्वज्ञातस्व-वीर्यमां संस्कृत प्रति योगदानम्

2. संस्कृतभाषाय: बोधनस्थ अभ्यस्तस्व च उद्देश्यानि लक्ष्यानि मौल्यानि भाषा-कौशलानि च

3. संस्कृतभाषाय: बोधन-अभ्यस्तोऽयो: मनोवैज्ञानिकता - वालानि प्रगति: - भाषासम्प्रदाये भिज्ञानात्-भाषायां
सिद्धाज्ञानम् - सर्वज्ञशीलता च

4. भाषा-विद्या-योजना(प्रणालिका)- निर्माणम् -निर्बन्धम् - विकासः

5. भाषानुप्राप्ति बोधनानुप्राप्ति—भाषा-कौशलयां प्रभावित-बोधनात्वें अभ्यस्तस्व-पड़तीनां विभिन्नप्रयोजनाः-
निर्बन्धम्, अभ्यस्तानुभावानि रचनाः च

6. पाठशालास्तरे पद्ध-माध्य-केश-रुपक(नाटक)-काव्यादिनां प्रक्रियाणां पात्रे भाषाविद्वानपद्धतयोः

7. संस्कृतभाषाय: बोधनाभ्यस्तोऽयो: संसाधनानि, बोधनामाप्ती-निर्माणस्व, भाषाप्रयोगशाला,
पाठ्यप्रकरणानि , भाषाामायसे संसाधनत्वें पाठ्यपुस्तकानि , भाषाया: बोधना-अभ्यस्तोऽयो: सहस्राणक-
संविश्वासे-विविधानानि

8. भाषाय: प्रमाणानि (मौलिकभाषाम्) मूल्याङ्कनम् च , तिरक्तर-सम्म पृथ्वीमूल्याङ्कनम्  , मूल्याङ्कनस्व
साधनानि व्याहि:(कौशलानि) च , लक्ष्याध्यक्षा-लोपनिधिर्णानिकिष्ठः

9. भाषायाम् कलेखा: - अभ्यस्तसे विभिन्नकारणी.(वैज्ञानिक)अभ्यस्तानुप्राप्ति भाषाम्यावकरणस्व
प्रक्रियामात्वें

10. निस्कर्षे संस्कृतभाषाय: उपयोगः - संस्कृतभाषाविकासे समस्या: - विविधभाषाविषयानि
(विभाषापुस्तकम्...) - संस्कृतसंविश्वास-विविध-आयोगा:(कमिटेम्) - पाठशालास्तरे संस्कृतस्य विकासाय
राज्यस्तरीय रश्त्रीय विद्यायोजना चतुर्ग्रहण
Paper-II: Sanskrit

1. यैदिक साहित्यस्व परिचयः — सौरभः — व्रह्माणिः — आरण्यकाणि — उपासिष्ठः — तेवासः च।

2. समाजाध्याभासातः: स्थलाकारः — यैदिक आयुगिनिग परिशिष्टः — आध्यात्मिकः साहित्यसाधनाः

3. भस्म — काव्यचिह्नम् — शरीरस्य — भवन्ति — अर्धचर्चा — दिशा — अवश्यम् — दिवसाधारणम् — 

4. संस्कृतमाझ्यतिनिहार्यार्थायः — महाकाव्यं — कर्त्तव्यादयतः — भारतादयतः — 

5. अवस्थार्थायः: व्याख्याः च — उदाहरणाः च। रूपाः — अर्थस्य — आद्युपस्य — सम्भवम् — अवलोकितः

6. व्याकरणम् —

7. संस्कृतमाझ्यतिनिहार्यार्थायः: — क्रमारम्भम् — पदार्थां — विषयां च, अर्थस्य सम्भवम्

8. समासोः — अवलोकित्याग्निग आर्याग्राहिः च, नियोज्याति समासोः: (अनवलोकित्याग्निग आयुगिनिग

9. दानम् — तृतीयायः — विवेकाध्यायं — उपेन्द्राद्यायं — शुल्कमायायं — योजनाः — विपरीतातिगुम्

10. भाषार्थम् — भाषाः: उपादिः — दानुष्यम् च — अवलोकित्याग्निग आयुगिनिग आयुगिनिग आर्याग्राहिः च,
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I: Pedagogy of Mathematics

1. The Nature of Mathematics and its Historical Development including the contributions of important Mathematicians given in the school textbooks. Importance of Mathematics in School Curriculum
2. Values, Aims and Objectives of Teaching Mathematics
3. Child Development; Psychology of Teaching and Learning Mathematics
4. Mathematics Curriculum: Construction, Organization and Development
5. Approaches, Methods and Techniques of Teaching Mathematics with special reference to Arithmetic, Algebra, Geometry and Trigonometry
7. Learning Resources and Designing Instructional Material in Mathematics; Mathematics Labs; Teaching Aids; Textbooks; ICT in Mathematics.
9. Learning Disabilities/Difficulties and Education of Exceptional/Disabled Children in Mathematics
10. Mathematics and Everyday Life; Non-formal Mathematics Education.

Paper-II: Mathematics

1. Number System-I: Counting of Numbers; Fundamental Operations; Types of Numbers; Real Numbers; Mathematical Units and Conversions; Utility of Euclid division lemma, Problems on surds; Divisibility rules their possible remainders, Pythagorean triplets; Using alphabet in place of digit in divisibility rules, missing numbers; Prime and composite, even and odd numbers, need and applications of fundamental theorem of arithmetic, difference between factors and multiples and prime factors-LCM and HCF; Characteristics and importance in finding solutions to daily life situations (e.g.p).

2. Number System-II: Patterns of numbers; Progressions- A.P. and G.P- relating to daily life situations; Building the relation between numbers and graphical representations; Squares – Square root, Cube-Cube root; Ratio, Golden Ratio, Compound Ratio, Inverse Ratio, Addition and Subtraction of equal Ratios; Proportion – Direct and inverse; Fractions (Numerator and denominator); Applications on the above.
3. Percentages in daily life situations and SETS :Profit and loss, Discount ; Simple interest and Compound interest, VAT and their applications ; Sets- Concept in building a set and rationale; types of sets; Operations on sets Venn Diagrams and related daily life problems.

   Sets- Compliment, properties on operations and cardinality; Series; Complex numbers and its fundamental operations; Conjugates; Fundamental principle of counting (Linear and Circular); Combinations and related to daily life problems. Modulus of a Real Number and absolute value. Types of statements and proofs, quantifiers; Tautology and contradictions.

4. Fundamentals of Algebra; Linear expressions and equations in one & two variables; Pairs linear equations in two variables; Basic Operations on Algebraic expressions – Laws and properties of exponents; Factorization; Special products; Operations on Polynomials and Factorization; Quadratic expressions and equations. Logarithms and their use. Graphical Representations / Mathematical Induction / Quadratic Expressions / Linear Programming / Determinants / Matrices : Relation between two variables and there graphical representation, basic ideas related to function and respective theorems, types of functions; Mathematical induction, problems on divisibility using principle of Mathematical Induction; Quadratic expressions – change in sign, maxima and minima values; Basis concepts of linear programming problems; Binomial theorem and approximations. Order of Matrix; Properties of Determinants of Matrices and solving of equations.

5. Geometry: Fundamental concepts; Contextual situations, basic ideas like point, line, ray, lines segment, angle, plane, curve, circle etc., and related terminology; Relations between lines and angles; Lines of a plane and their properties; Axioms, postulates, Euclid axioms, historical background, non-Euclidean geometry; Types and Properties of Geometrical figures; Types and Properties of triangle, quadrilateral, Polygon etc.; Properties of Circle and Parts of Circles; Comparison of Geometrical figures – Congruency, Similarity etc.; BPT, Pythagoras, Theorems applications; Relations between Circles and Lines; Areas of Geometrical Figures – Related theorems; Practical Geometry; Basic constructions, Constructions of Triangles, Quadrilaterals, Circles, Similar triangles, Tangents to Circles and related problems.

6. Co-ordinate Geometry: Basic concepts, dividing a line segment in the given ratio and its usage in different situations, slope of a line, distance between two points, area of triangles, Quadrilaterals and Collinearity of points.

7. Concept of locus; Straight line – different forms of straight line and conversions; Angle between two lines; Length of perpendicular from a point to a line; Distance between two parallel lines; Circle Equation – standard form, center and radius; Position of a point in plane of circle; Relative positions of two circles – Transformation of Axes - 3-D Geometry - DR’s and DC’s and Cartesian equation of a plane. Conic Section.
8. Mensuration: Plane figures; Need and importance of Area and Perimeter of different triangles, quadrilaterals, polygons, circles, ring etc., in daily life; Solid figures; Need and importance of CSA, TSA and volume of prism, cube, cuboids, pyramid, cylinder, cone, sphere, hemisphere; Conversions from one solid to another; Problems with combination of solids (not more than three) in daily life; Conversions- 3-D figures and 2-D figures.

9. Statistics and Probability: Data handling: Types and representation of data; Measure of central tendency of ungrouped and grouped data specific usages; Presentation of data – different graphs and related problems; Probability Basic concepts, outcomes and chances; Events – mutually exclusive, possible and impossible, complementary; Applications of probability Measures of dispersions – Range, Q.D, M.D, S.D.; Coefficient of variation; Probability-Random experiments and events (Independent and Dependent); Addition and multiplication theorems of probability; Random variables. Axiomatic approach.

10. Trigonometry: Basic concepts; Trigonometric ratios; Trigonometric values for specific angles; Complementary angles; Trigonometric Identities; Conversions of Trigonometric ratios – Trigonometric transformations - Heights and distances;Trigonometric ratios of compound angles; Properties of triangles – relation between sides and angles of a triangles – Inverse trigonometric functions. Multiples and submultiples – Trigonometric expansions.
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I : Pedagogy of Physical Sciences

1. The Nature of Physical Sciences and its Historical Development including the contributions of important Physicists and Chemists given in the school textbooks. Importance of Physical Sciences in School Curriculum
2. Values, Aims and Objectives of Teaching Physical Sciences
3. Child Development; Psychology of Teaching and Learning Physical Sciences
4. Physical Sciences Curriculum : Construction ,Organization and Development
5. Approaches, Methods and Techniques of Teaching Physical Sciences with special reference to Measurement, units and dimensions; Natural Resources, Our Universe; Natural Phenomenon (Light; Heat; and Sound); Mechanics; Magnetism; Electricity and Electro Magnetism ;Modern Physics; Electronics and Communication; Matter; Chemical Reactions; Acids and Bases; Atomic Structure; Periodic Classification of Elements; Chemical Bonding; Carbon and its Compounds; and Metallurgy; Environmental Chemistry
7. Learning Resources and Designing Instructional Material in Physical Sciences; Physical Science Labs; Teaching Aids ; Textbooks; ICT in Physical Sciences
9. Learning Disabilities/Difficulties and Education of Exceptional/ Disabled Children in Physical Sciences
10. Physical Sciences and Everyday Life; Non-formal Physical Sciences Education.

Paper-II: Physical Sciences

I. Measurements, Units and Dimensions:
Need of measurement in daily life.systems of units. Units and dimentions, Significance of accuracy in measurement. Measuring instruments; Types of errors in measurements - mean absolute relative percentage errors; Fundamental and derived physical quantities. Rules for writing units in SI, derived units SI, Multiples and submultiples of SI units; Dimensional formulae and dimensional equations, dimensionless quantities; principle of homogeneity of dimensions. Application of dimensional analysis.
II. Natural Resources – Air and Water:
Composition of air, atmospheric pressure, the consequences of air pollution, ways to reduce air pollution. Winds, cyclones, natural calamities and management of their bad consequences, Composition of water, water cycle, change of phase, Latent Heat. Forms of water in atmosphere, boiling, melting, water pollution and hardness of water. How to handle the shortage of drinking water? Methods of increasing ground water levels.

III. Our Universe:
Need to develop the Habit of Night sky observation, How to differentiate constellations with zodiac signs, study of solar system, different laws pertaining to the motion of celestial bodies and ways of measuring the distances in space. Principles of launching of satellites and their applications in day to day life.

IV Natural Phenomenon:


V. Mechanics:

VI. Magnetism:
VII. Electricity & Electro Magnetism:

VIII. Modern Physics:
Radioactive transmutation-artificial radioactivity; radio isotopes and their uses in different fields; radioactive series; Chain and controlled nuclear reactions; Fission and fusion of nuclei - atomic bomb and hydrogen bomb.

IX. Electronics and Communications:

X. Matter:

XI. Chemical Reactions:
Physical and chemical changes. Types of Chemical reactions; daily applications. Laboratory preparation of different gases. Physical and Chemical properties various compounds. Chemical calculations. Sources of common salt. Common salt – as a raw material for other chemicals (NaOH, Bleaching powder, baking soda, washing soda, and their uses, Plaster of Paris).

XII. Acids and Bases, Salts:

XIII. Atomic Structure:

Electro magnetic spectrum, Atomic spectrum, Characteristics of electron, proton and neutron, Rutherford's model of an atom, nature of electromagnetic radiation, Planck's quantum mechanics, explanation of photo electric effect, features of atomic spectra, characteristics of hydrogen spectrum, Bohr's theory of structure of atom, Bohr's explanation of spectral lines, failure of Bohr's theory, wave particle nature of electrons, de Broglie's hypothesis, Heisenberg's uncertainty principle, important features of the Quantum mechanical model of an atom, Quantum numbers, concept of orbitals, define an atomic orbital in terms of quantum numbers-shapes of s, p and d orbitals, n l x rule, Energies of electronic energy levels (n+l) rule state Aufbau principle, Pauli’s exclusive principle and Hund’s rule of maximum multiplicity, electronic configuration of atom, explanation of stability of half filled and completely filled orbital.

XIV. Periodic Classification of Elements:

Need for arrangement of elements in an organized manner. Historical background of classification of elements Doberiener’s Triads, Newland’s law of Octaves. Mendeleev’s Periodic Table (Achievements & Limitations). Mosley periodic table - based on electronic configuration. Characteristics of elements in groups and periods. The concept of grouping elements in accordance to their properties; the periodic law the significiation of atomic number and electronic configuration as the basis per periodic classification. Classification of elements into s-block, p-block, d-block, f-block. and their main characteristics. Periodic trends in physical and chemical properties of elements. Study of different Groups of periodic table.

XV. Chemical Bonding:


XVI. Carbon and its Compounds:


XVII. Environmental Chemistry and Metallurgy

Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I: Pedagogy of Biological Sciences

1. The Nature of Biological Sciences and its Historical Development including the contributions of important Biologists given in the school textbooks. Importance of Biological Sciences in School Curriculum
2. Values, Aims and Objectives of Teaching Biological Sciences
3. Child Development; Psychology of Teaching and Learning Biological Sciences
4. Biological Sciences Curriculum : Construction ,Organization and Development
5. Approaches, Methods and Techniques of Teaching Biological Sciences with special reference to Living World; Cell &Tissues; Plant World; Animal World; Our Environment ; Heredity &Genetics ; Evolution and Applied Biology
7. Learning Resources and Designing Instructional Material in Biological Sciences; Biological Science Labs; Teaching Aids ; Textbooks; ICT in Biological Sciences
9. Learning Disabilities/Difficulties and Education of Exceptional/ Disabled Children in Biological Sciences
10. Biological Sciences and Everyday Life; Non-formal Biological Sciences Education.

Paper-II: Biological Sciences

1. Biological Sciences: Its importance and human welfare, Branches of Biology, Biologists, Reputed Biological Institutions in India.


7. Our Environment: Abiotic and Biotic factors and Ecosystems, Natural Resources – Classification, Judicial use of Renewable, Non-renewable and Alternative Resources, Forests, Wild Life - Conservation, Sanctuaries, National Parks in India, Bio-Geochemical Cycles, Pollution – Air, Water, Soil and Sound, Global Environmental issues – Global Warming (Green House Effect), Acid Rains, Depletion of Ozone layer and scarcity of water.

8. Heredity and Genetics:- Mendel’s laws of inheritance, Pleiotropy, Multiple alleles: Inheritance of blood groups and Rh-factor, dominance (Blood groups as example), Elementary idea of polygenic inheritance; Skin colour in humans (refer Sinnott, Dunn and Dobzhansky); Sex determination – in humans - Sex linked inheritance – Haemophilia, Color blindness; Mendelian disorders in humans: Thalassemia, Haemophilia, Sickle celled anemia, cystiefibrosis PKU, Alkaptonuria; Chromosomal disorders – Down’s syndrome, Turner’s syndrome and Klinefelter syndrome; Genome, Human Genome Project and DNA Finger Printing. Gene Bank, Gene flow and genetic drift; Variations (mutations and genetic recombination).

9. Evolution: Origin of Life, Biological evolution and Evidences for biological evolution (paleontological, comparative anatomical, embryological and molecular evidences); Theories of evolution: Lamarckism, Darwin’s theory of Evolution – Natural Selection, Mutation Theory of Hugo De Vries; Modern synthetic theory of Evolution – Hardy-Weinberg Law; Types of Natural Selection; Adaptive radiation – Human evolution; Speciation – Allopatric, sympatric; Reproductive isolation.

10. Applied Biology: Animal Husbandry: Apiculture, Pisciculture, Poultry management, Dairy management; Animal breeding; Bio-medical Technology: Diagnostic Imaging (X-ray, CT scan, MRI), ECG, EEG; Biotechnology – its importance for human welfare - Human insulin and vaccine production; Gene
Therapy; Transgenic animals; ELISA: vaccines, MABs, Cancer biology, Stem Cells.
Main Examination Syllabus for the post of Trained Graduate Teacher in Residential Educational Institution Societies

Paper-I: Pedagogy of Social Studies

1. The Nature of Social Sciences and its Historical Development including the contributions of important Social Scientists and thinkers given in the school textbooks. Importance of Social Sciences in School Curriculum
2. Values, Aims and Objectives of Teaching Social Sciences
3. Psychology of Teaching and Learning Social Sciences
4. Social Sciences Curriculum: Construction, Organization and Development
5. Approaches, Methods and Techniques of Teaching Social Sciences with special reference to the topics in the School Curriculum
7. Learning Resources and Designing Instructional Material in Social Sciences; Social Sciences Labs; Teaching Aids; Textbooks; ICT in Social Sciences
9. Learning Disabilities/Difficulties and Education of Exceptional/Disabled Children in Social Sciences
10. Social Sciences and Everyday Life; Non-formal Social Sciences Education.

Paper-II: Social Studies


III. Empires and World wars: The Kakatiyas, Vijayanagaras, Delhi sultanate & Mughals – British and the Nizams Rule in Telangana. Indian National Movement – Telangana Movement and State Formation-Nationalist,


V. The Indian constitution – Democracy and Secularism. Post Independent India Caste Discrimination and Struggle for Equalities, Understanding the Indian Political System – Self Governments.