

Government of Andhra Pradesh



**DEPARTMENT OF SCHOOL
EDUCATION**

TEACHER ELIGIBILITY TEST

2018

Syllabus

Paper – I & II

TEACHER ELIGIBILITY TEST – 2018

PAPER-I Syllabus

I. CHILD DEVELOPMENT AND PEDAGOGY (Marks: 30)

1. DEVELOPMENT OF CHILD

- Development, Growth & Maturation — Concept & Nature
- Principles of development and their education implication
- Factors influencing Development — Biological, Psychological, Sociological, emotional
- Dimensions of Development and their interrelationships — Physical & Motor, Cognitive, Emotional, Social, Moral, Language relating to Infancy, early Childhood, late Childhood, Adolescence.
- Understanding Development — Piaget, Kohlberg, Chomsky, Carl Rogers, Erikson
- Individual differences — Intra & Inter Individual differences in the areas of Attitudes, Aptitude, Interest, Habits, Intelligence and their Assessment
- Development of Personality — Concept, Factors effecting development of personality, self concept
- Adjustment, Behavioural problems, Mental Health, Defense mechanism
- Methods and Approaches of Child Development — Introspection, Observation, Interview, Case study, Experimental, Cross sectional and Longitudinal
- Developmental tasks and Hazards

2. UNDERSTANDING LEARNING

- Concept, Nature of Learning — input — process — outcome
- Factors of Learning — Personal and Environmental Approaches to Learning and their applicability—Behaviourism (Skinner, Pavlov, Thorndike), Constructivism (Piaget, Vygotsky), Gestalt (Kohler, Koffka) and Observational (Bandura)
- Dimensions of Learning — Cognitive, Affective and Performance
- Motivation and Sustenance — its role in learning.
- Memory & Forgetting
- Transfer of Learning

3. PEDAGOGICAL CONCERNS

- Teaching and its relationship with learning and learner Learners in Contexts: Situating learner in the socio-political and cultural context - Children from diverse contexts—Children With Special Needs (CWSN), Inclusive Education
- Understanding of pedagogic methods — Enquiry based learning, Project based learning, Survey, Observation and Activity based learning, Cooperative and collaborative learning
- Individual and Group learning: Issues and concerns with respect to organizing learning in class room like Study habits, Self learning and Learning to learn skills
- Organizing learning in heterogeneous class room groups — Socio-economic background, Abilities and Interest
- Paradigms of organizing Learning-Teacher centric, Subject centric and Learner centric Theory of instruction - Bruner
- Teaching as Planned activity — Elements of Planning
- Phases of Teaching — Pre active, Interactive and Post active
- General and Subject related skills, competencies required in teaching and attributes of good facilitator
- Learning resources — Self, Home, School, Community, Technology

- Class room Management: Role of student, teacher, Leadership style of teacher, Creation of nonthreatening learning environment, Managing behaviour problems, Guidance & Counselling, Punishment and its legal implications, Rights of a child, Time Management.
- Distinction between Assessment for Learning & Assessment of Learning, School based Assessment, Continuous & Comprehensive Evaluation : Perspective & Practice
- Understanding teaching & learning in the context of NCF, 2005 & Right To Education Act, 2009.

II (a) Language - I Telugu (Content and Methodology) (Marks: 30)

ఎ) విషయం Marks: 24

1. పఠనావగాహన (పద్యం, గద్యం రూపాలు)
2. తెలుగు సాహిత్యం, సంస్కృతి (ప్రాచీన, ఆధునికం, జానపదం)
 - నూతన పాఠ్యపుస్తకాలలోని ఇతర తెలుగుకవులు, రచయితలు, పాత్రలు - నేపథ్యం - ఇతివృత్తాలు - విశేషాంశాలు
 - ప్రక్రియలు - లక్షణాలు-వివరణలు
 - శతకాలు
 - కళలు, కళాకారులు
 - వేడుకలు
 - గేయాలు/పాటలు
3. పదజాలం
 - సామెతలు
 - జాతీయాలు
 - పొడుపు కథలు
 - వ్యవహార రూపాలు
 - అర్థాలు
 - నానార్థాలు
 - పర్యాయ పదాలు
 - వుత్పత్త్యర్థాలు
 - ప్రకృతి వికృతులు
4. భాషాంశాలు :

ద్విత్వ, సంయుక్త సంశ్లేష అక్షరాలు, వాక్యాలు, వర్గయుక్తులు, పరుషాలు, సరళాలు, భాషా భాగాలు, లింగాలు, వచనాలు, కాలాలు, విభక్తులు, అవ్యయాలు, విరామ చిహ్నాలు, తెలుగు సంస్కృత సంధులు, సమాసాలు, క్రియలు (సమాపక, అసమాపక), వాక్యాలు రకాలు - ఆశ్చర్యార్థక, విధ్యర్థక, ప్రశ్నార్థక, సందేహార్థక, అనుమత్యర్థక, నిషేధార్థక, ప్రత్యక్ష పరోక్ష, కర్తరి - కర్మణి - చందస్సు, అలంకారాలు, అర్థవిపరిణామం.

Part III

Language – I Hindi (Content and Methodology) (Marks: 30)

Content 24 marks

1. रचनाकार /रचनाएँ विषयवस्तु , चित्र-चित्रण, भाषा शैली आदि।
2. साहित्यिक विधाएँ और उनकी विशेषताएँ
3. भाषा तत्व और व्याकरण
 - शब्द विचार : अपसर्ग –प्रत्यय
 - शब्द भेद
 - लिंग , बचन कारक ,काल
 - शब्द रूपान्तर
 - शब्द – अर्थ , भिन्न – भिन्न अर्थ , पर्यावाची शब्द और विलोम शब्द
 - शब्द परिचय – तत्सम , तदभव, देशज और विदेशी

 - वाक्य संरचना, भेद
 - वाच्य – समास
 - मुहावरे – लोकपक्तियाँ ,कहावतें.

Methodology 6 marks

I.

1. भाषा – अर्थ और स्वरूप
2. माध्यमिक स्तर पर हिन्दी शिक्षण के उद्देश्य
3. भाषा की समस्या – त्रिभाषा – सूत्र

II.

- 1 आदर्श हिन्दी – अध्यापक के गुण
- 2 अच्छे शिक्षण की विशेषताएँ
- 3 भाषा – शिक्षण की सामान्य सिद्धान्त
- 4 भाषा – शिक्षण के सूत्र
- 5 भाषा – शिक्षण की प्रणालियाँ
- 6 भाषा – शिक्षण की विधियाँ

III.

- 1 शिक्षण में भाषा – कौशलों का महत्व
- 2 भाषा कौशलों का विकास

सुनना : ध्वनी की उत्पत्ति, ध्वनी – श्रवण और पारस्परिक संबंध

बोलना: शब्दोच्चारण, वक्यत्र, शुद्धोच्चारण का अभ्यास , मौखिक अभिव्यक्ति, पाठशाला में वार्तालाप का अभ्यास

पढ़ना: विशेषताएँ, वाचन के प्रकार, वाचन संबंधी दोष और उपचार

लिखना: महत्व , नियम , विधियाँ, प्रकार, अक्षरक्रियास

3. भाषा - कौशलों का समन्वय

IV.

1. शिक्षण उद्देश्यों का वर्गीकरण
2. न्यूनतम अधिगम - स्तर
3. पाठ – योजना (गद्य, पद्य, व्याकरण, रचना, पत्र-लेखन)
4. इकाई – योजना
5. शिक्षण – उपकरण

V

1. पाठ्यक्रम
2. पाठ्यपुस्तक
3. पुस्तकालय
4. भाषा सहगामी कियारँ

VI

1. मूल्यांकन की धारणा
2. उत्तम परीक्षा की विशेषताएँ
3. उपलब्ध परीक्षा
4. निरंतर सामग्य मूल्यांकन
5. उद्देश्य आधारित मूल्यांकन
6. उपचारत्मक और निदानत्मक शिक्षण

Part III

Language - I Tamil (Content and Methodology) (Marks: 30)

Content 24 marks

1. எழுத்தாளர்கள், கவிஞர்கள், கவிதை, உரைநடை
2. செய்யுள்கரு, தலைப்பு, இதிகாசம், புராணம், காப்பியம், சிற்றிலக்கியங்கள், கதை, கட்டுரை, கடிதம், விமர்சனம், வாழ்க்கை வரலாறு, சுயசரிதை.
3. மொழியின் வகைகள் - பேச்சுவழக்கு, எழுத்து வழக்கு, வட்டார வழக்கு.
4. மொழியின் மூலகம் (எழுத்து, சொல், வாக்கியம்), வாக்கிய வகைகள், ஒரு பொருள் குறித்த ஒரு பொருள் குறித்த பல சொல், பல பொருள் குறித்த ஒரு சொல், நேர்க் கூற்று - அயர்க்கூற்று, செய்வினை-செய்ப்பாட்டுவினை, புணர்ச்சி, பருபதம், எண்ணும்மை

Methodology 6 marks

1. மொழி, தாய்மொழி, குறிக்கோள்
2. மொழித்திறன்
3. கற்பித்தலின் வகைகள்
4. திட்டமிடுதல், ஆதாரங்களின் பயன்கள், பாடத்திட்டத்துடன் தொடர்புடைய செயல்வகைகள்.
5. கற்க- கற்பிக்க உதவும் மூலங்கள், கற்பித்தலில் கையாளப்படும் நுட்பங்கள்.
6. மதிப்பீடு.

Part III

Language – I Kannada(Content and Methodology) (Marks: 30)

Content 24 marks

1. ಕವಿ ಕಾವ್ಯಗಳು, ಲೇಖಕರು, ಕೃತಿಗಳು
2. ಪ್ರಕ್ರಿಯೆಗಳು:
 - ಇತಿಹಾಸ, ಪುರಾಣ, ಕಥೆಗಳು, ನಿಬಂಧ, ಪತ್ರ, ವಿಮರ್ಶೆ, ಆತ್ಮ ಚರಿತ್ರೆ, ವ್ಯಕ್ತಿ ಚರಿತ್ರೆ
3. ಭಾಷಾ ಸ್ವರೂಪ:
 - ಹಳೆ ಗನ್ನಡ, ಹೊಸಗನ್ನಡ, ಪ್ರಾದೇಶಿಕ ಭಾಷೆ, ಪ್ರಾಮಾಣಿಕ ಭಾಷೆ, ಆಧುನಿಕ ಭಾಷೆ.
4. ಭಾಷಾ ಅಂಶಗಳು:
 - ವರ್ಣಮಾಲೆ, ಹುಟ್ಟುವ ಸ್ಥಳಗಳು
 - ಶಬ್ದಗಳು, ಅರ್ಥ, ನಾನಾರ್ಥ, ಉತ್ಪತ್ತಿ, ತತ್ಸಮ , ತದ್ಭವ
 - ವಾಕ್ಯಗಳು, ಕರ್ತರಿ, ಕರ್ಮಣಿ, ಪ್ರತ್ಯಕ್ಷ, ಪರೋಕ್ಷ
 - ಛಂದಸ್ಸು
 - ಅಲಂಕಾರ
 - ಸಂಧಿಗಳು
 - ಸಮಾಸಗಳು

Methodology 6 marks

ಕನ್ನಡ - ಬೋಧನಾ ವಿಧಾನ

1. ಭಾಷೆ, ಮಾತೃಭಾಷೆ, ಉದ್ದೇಶಗಳು
2. ಭಾಷಾ ಕೌಶಲ್ಯಗಳು
3. ಬೋಧನಾ ವಿಧಾನ
4. ಯೋಜನೆಗಳು, ಸಂಪನ್ಮೂಲಗಳು, ಪಠ್ಯೇತರ ಚಟುವಟಿಕೆಗಳು
5. ಬೋಧನೆ, ಕಲಿಕಾ ಸಾಮಗ್ರಿಗಳು- ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನ
6. ಮೌಲ್ಯ ಮಾಪನ

Part III

Language – I Oriya (Content and Methodology) (Marks: 30)

Content 24 marks

୧. କବି, ଲେଖକ, କାବ୍ୟ, ରଚନା
୨. ପ୍ରକ୍ରିୟା :
ଇତିହାସ, ପୁରାଣ, ପ୍ରବନ୍ଧ, ଗଳ୍ପ, ନିବନ୍ଧ ରଚନା, ଅନୁକଥା, ଜୀବନ ଗାଥା
୩. ଭାଷା ରୂପ
ଗ୍ରାହ୍ୟ, ବ୍ୟବହାରିକ, ମାଣ୍ଡଳିକ, ଆଧୁନିକ ଭାଷା
୪. ଭାଷା-ଅଂଶ
ଅକ୍ଷର, ମୂଳି-ଉତ୍ପତ୍ତି-ସ୍ଥାନ, ଶବ୍ଦ, ଭାଷା-ଭାଗ ଶବ୍ଦ, ଅର୍ଥ, ନାନାର୍ଥ,
ସମାନାର୍ଥକ ଶବ୍ଦ, ତତ୍-ସମ, ତତ୍-ଭବ, ବାକ୍ୟ, ବକ୍ୟ ଭେଦ, କର୍ତ୍ତୃତା, କର୍ମଣି,
ପ୍ରତ୍ୟୟ, ପରୋଷ
ସହି
ସମାସ
ଛନ୍ଦ
ଅଳଙ୍କାର

Methodology 6 marks

ବୋଧନ – ପଦ୍ଧତି

୧. ଭାଷା
ବିବିଧ ଭାବନା, ମାତୃଭାଷା, ମତୃଭାଷାବୋଧନ ଲକ୍ଷ୍ୟ
୨. ଭାଷା-କୌଶଳ
୩. ବୋଧନ (ଶିକ୍ଷଣ) ପଦ୍ଧତି
୪. ପ୍ରଣାଳୀ, ପଦ୍ଧତିର କାର୍ଯ୍ୟକ୍ରମ
୫. ବୋଧନ ଉପକରଣ
ବିଦ୍ୟା-ପ୍ରାଙ୍ଗଣ- ଶାସ୍ତ୍ର, ଚନ୍ଦ୍ର-ସ୍ଥାନ
୬. ମୂଲ୍ୟାଙ୍କନ ।

III. Language — II English (Content and Methodology) (Marks: 30)

Content (Marks: 24)

- (1) Parts of Speech
- (2) Tenses
- (3) Active voice & Passive voice
- (4) Prepositions and Articles
- (5) Degrees of comparison
- (6) Clauses
- (7) Verbs — Main Verbs — Auxiliary Verbs – Presale Verbs
- (8) Adverbs — Types of Adverbs
- (9) Conjunction — coordinating conjunction — subordinating conjunction.
- (10) Direct and Indirect speech
- (11) Questions and question tags
- (12) Types of sentences — simple, compound and complex — synthesis of sentences
- (13) Phrases — uses of phrases.
- (14) Composition — letter writing —précis writing
- (15) Reading Comprehension
- (16) Vocabulary — Antonyms, Synonyms and Spellings.
- (17) Correction of Sentences.

Methodology(Marks: 06)

1. Aspects of English:- (a) English language — History, nature, importance, principles of English as second language. (b) Problems of teaching / learning English.
2. Objectives of teaching English.
3. Development of Language skills:-
 - (a) Listening, Speaking, Reading & Writing (LSRW).
 - (b) Communicative skills — Imparting values through Communication.
4. Approaches, Methods, Techniques of teaching English:- (a) Introduction, definition & types of Approaches, Methods &Techniques of teaching English (b) Remedial teaching.
5. Teaching learning materials in English.
6. Lesson Planning.
7. Curriculum & Textbooks — Importance and its need.
8. Evaluation in English language.

IV. MATHEMATICS (Marks: 30)

CONTENT (Marks: 24)

- 1. Number system:** Natural Numbers, Whole numbers, Integers, Rational numbers place value, comparison, fundamental mathematical operations ; Addition, Subtraction, Multiplication and Division, Indian Currency, Prime and Composite numbers, Prime factors, Lowest Common Multiple (LCM) and Greatest Common Divisor (GCD), Square, Square root, Cube, Cube roots of numbers, Pythagorean triplets,
- 2. Fractions:** Concept of fractions, proper fractions, improper fractions, mixed fractions, decimal fractions, comparison, addition, subtraction, multiplication, division of fractions and decimal fractions. Use of fractions in daily life. Rational Numbers; definition, four fundamental operations; properties of numbers (N, W, Z and Q), Representation of N,W,Z and Q on number line, Terminating and Non-Terminating Decimals (Recurring and Non – Recurring).
- 3. Arithmetic:** Unitary method, Averages, Ratio & Proportion, Percentages, Profit and Loss, discount, simple interest, compound interest, Direct and Indirect proportion, Time and Work, Time and Distance, Tax (VAT).
- 4. Geometry:** Basic ideas of geometry (2D & 3D shapes), types of angles, construction and measurement of lines and angles, Triangles, types of triangles, Properties of Triangles, Congruence, Criteria of congruencies of triangles (SAS, SSS, ASA, RHS), Quadrilaterals, types of quadrilaterals, construction of triangles and quadrilaterals, Patterns with geometrical shapes, Representing 3D Shapes in 2D Shapes, Euler's relation, Properties of Parallelogram, Trapezium, Rhombus, Rectangle, Square and Kite, Concept of Circles, Symmetry, Reflection and Rotation, Line of symmetry.
- 5. Measurements:** Length, Area, Weight, Capacity, Time and their Standard Units, Surface Area and volume of a cube and a cuboids, Perimeter and area of triangle, quadrilateral, parallelogram, rectangle, Rhombus, Square and Trapezium. Circumference & Area of a circle, Area of Circular path, Polygons Area of sector in a circle.
- 6. Data Applications:** Introduction to Data, Data Presentation, Preparation of Frequency distribution table, Bar Graph, Pictograph, Histogram, Mean, Median and Mode of ungrouped data, Cumulative Frequency Distribution Table, Frequency Polygon, Frequency Curve and Cumulative Frequency Curves.
- 7. Algebra:** Introduction to Algebra, Basic terminology – Constant, Variable, Expression, Polynomial, Identity and equations, solving linear equation in one variable, Exponents and Powers.

Methodology (Marks: 06)

1. Meaning, Nature and Definitions of Mathematics
2. Correlation with other school subjects and daily life.
3. Aims, values and instructional objectives of teaching Mathematics, Academic Standards
4. Child Centered and Activity Based Approaches in Teaching Mathematics
5. Methods of Teaching & Remedial measures in Mathematics
6. Instructional Material, TLM and Resource Utilization in Mathematics
7. Curriculum, Text Book & Instructional Planning

8. Evaluation and tools of evaluation and Continuous Comprehensive Evaluation

V. ENVIRONMENTAL STUDIES (Marks:30)

CONTENT (Marks: 24)

1. **My Family** - My Family - Family tree, migration, changing structures of family - nuclear and joint families, festivals.
2. **Work & Play** - Occupations, Child labor, Games - Local, National and International, Marshal Arts, Effects of games on respiration and breathing, fairs, Circus.
3. **Plants and Animals**-Plants & animals in our surroundings, Plant & Animal products, parts of a plant, photosynthesis, parts of a flower, pollination, fertilization, fruits, seeds. Wild & cultivated plants, wild & domestic animals their food, arrangement of teeth in animals.
4. **Our Food** - Different types of food, storage of grains and vegetables, storage of food, Food -animal husbandry, Nutrients of food, deficiency diseases.
5. **Shelter** - Need, different types of houses, electrical appliances - their use, social life in ants and honey bees, Animals shelter - variation.
6. **Air** - Importance of air, composition of air, atmospheric pressure, diseases spread through air and their prevention, air pollution - causes, its impact, and measures to prevent, Green House effect.
7. **Energy** - Renewable, Non-renewable, Future Energy.
8. **Water** - Importance, water resources, tanks, aquatic flora and fauna, measurement of liquids, Water pollution - causes, impact, measures to prevent, purification of water, drought, floods.
9. **Our Body - Health - Cleanliness** - External, Internal parts of our body, Bones, Muscles, Sense organs, Digestion, Respiration, Nervous system, Excretory system, Circulatory system, First Aid.
10. **Mapping** - Direction, Mandal, District, State, India
11. **History and culture of India** - Evolution of Man, Pre-historic period, Indian culture and Heritage, Civilization, Medieval period culture, Ancient monuments, Religious movements: Jainism, Buddhism, Bhakti movement, Great personalities, Indian freedom movement, Modern India.
12. **Our country (India)** - Location, Area, Physical features, Climate, Natural resources, Continents and Oceans, Historical places in India, Population.
13. **Our State** - Culture, State Government, Gram Panchayat, Mandal Parishad, Municipality, Municipal Corporation, Local Emergency services, our state symbols, Livelihood, Civilization - Impact of rivers.
14. **Indian constitution** - Preamble, Major concepts, Fundamental rights, Fundamental duties, Child Rights
15. **Safety & Security** - Earth Quakes, Floods, Fire, First Aid, 108, 104 Vehicles

PEDAGOGY (Marks: 6)

1. Concept and scope of Environmental Studies (Science & Social Studies)
2. Aims & Objectives of teaching Environmental Studies (Science & Social Studies)
Academic Standards of Teaching EVS
3. Relation to Science and Social Studies
4. Curriculum and its transactional process – Teaching Methodology
5. Teaching Learning Material (TLM)
6. Evaluation procedures – CCE.