Government of Andhra Pradesh

Department of School Education



Syllabus for

Teacher Eligibility Test (TET) - 2024

PAPER – I(A)..... 4

A. CHILD DEVELOPMENT AND PEDAGOGY (30 MARKS) 4
B.1 LANGUAGE - I TELUGU (30 MARKS) 7
B.2 LANGUAGE - I URDU (30 MARKS) 8
B.3 LANGUAGE - I HINDI (30 MARKS)..... 9
B.4 LANGUAGE - I KANNADA (30 MARKS)..... 10
B.5 LANGUAGE - I TAMIL (30 MARKS)..... 11
B.6 LANGUAGE - I ODIA (30 MARKS)..... 12
C. LANGUAGE – II ENGLISH (30 MARKS) 13
D. MATHEMATICS (30 MARKS)..... 15
E. ENVIRONMENTAL STUDIES (30 MARKS) 17

PAPER – I(B)..... 24

A. CHILD DEVELOPMENT AND PEDAGOGY (SPECIAL EDUCATION) (30 MARKS)..... 24
B.1 LANGUAGE - I TELUGU (30 MARKS)..... 25
B.2 LANGUAGE - I URDU (30 MARKS) 25
B.3 LANGUAGE - I HINDI (30 MARKS)..... 27
B.4 LANGUAGE - I KANNADA (30 MARKS)..... 28
B.5 LANGUAGE - I TAMIL (30 MARKS)..... 29
B.6 LANGUAGE - I ODIA (30 MARKS)..... 30
C. LANGUAGE – II ENGLISH (30 MARKS) 31
D. MATHEMATICS (30 MARKS) 33
E. ENVIRONMENTAL STUDIES (30 MARKS) 35

PAPER – II(A)..... 42

A. CHILD DEVELOPMENT AND PEDAGOGY (30 MARKS) 42
B.1 LANGUAGE - I TELUGU (30 MARKS)..... 45
B.2 LANGUAGE - I URDU (30 MARKS) 46
B.3 LANGUAGE - I HINDI (30 MARKS)..... 47
B.4 LANGUAGE - I KANNADA (30 MARKS) 48
B.5 LANGUAGE - I TAMIL (30 MARKS)..... 49
B.6 LANGUAGE - I ODIA (30 MARKS)..... 50
B.7 LANGUAGE - I SANSKRIT (30 MARKS) 51
C. LANGUAGE – II ENGLISH (30 MARKS) 52
D.1 MATHEMATICS AND SCIENCE (60 MARKS) 53
D. 1.1 MATHEMATICS (30 MARKS)..... 53
D.1.2 PHYSICAL SCIENCE (15 MARKS)..... 56
D.1.3 BIOLOGICAL SCIENCE (15 MARKS) 61
D.2. SOCIAL STUDIES (60 MARKS) 62
D.3 TELUGU (60 MARKS) 64
D.4 ENGLISH (60 MARKS) 65
D.5 URDU (60 MARKS)..... 68
D.6 HINDI (60 MARKS)..... 70
D.7 KANNADA (60 MARKS) 72
D.8 TAMIL (60 MARKS)..... 73
D.9 ODIA (60 MARKS)..... 74
D.9 SANSKRIT (60 MARKS) 75

PAPER – II(B)..... 76

A. CHILD DEVELOPMENT AND PEDAGOGY (SPECIAL EDUCATION) (30 MARKS)..... 76
B.1 LANGUAGE - I TELUGU (30 MARKS)..... 77
B.2 LANGUAGE - I URDU (30 MARKS)..... 78
B.3 LANGUAGE - I HINDI (30 MARKS)..... 79
B.4 LANGUAGE - I KANNADA (30 MARKS) 80

B.5 LANGUAGE - I TAMIL (30 MARKS)..... 81
B.6 LANGUAGE - I ODIA (30 MARKS)..... 82
B.7 LANGUAGE - I SANSKRIT (30 MARKS) 83
C. LANGUAGE – II ENGLISH (30 MARKS) 84
D. CATEGORY OF DISABILITY SPECIALIZATION AND PEDAGOGY (60 MARKS) 85

Teacher Eligibility Test – 2024

PAPER – I(A)

Structure and Content (All Compulsory)

A	Child Development and Pedagogy	30 MCQs	30 Marks
B	Language I (Telugu/Urdu/Hindi/Kannada/Tamil/ Odia)	30 MCQs	30 Marks
C	Language II (English)	30 MCQs	30 Marks
D	Mathematics	30 MCQs	30 Marks
E	Environmental Studies	30 MCQs	30 Marks
	Total	**150 MCQs**	**150 Marks**

A. CHILD DEVELOPMENT AND PEDAGOGY (30 Marks)

1. DEVELOPMENT OF CHILD

- Childhood: meaning, multiple childhoods, parenting, child rearing styles and their impact on the development of child
- Development, Growth & Maturation — Concept & Nature, Differences between Growth and Development
- Principles of development and their educational 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 Child hood, adolescence.
- Understanding Development — Piaget, Kohlberg, Chomsky, Erikson
- Individual differences — Concept, Types of individual differences (intra & inter) Factors of individual differences (heredity & environment).
- Factors influencing individual differences in the areas of Attitudes, Aptitude, interest, intelligence, creativity, Values, level of aspiration, self-concept, achievement.

a. Intelligence: Concept and meaning of intelligence, Definitions, Types of intelligence, Theories of a. Intelligence, Measurement of intelligence, IQ, Classification of IQ, Types of Intelligence tests and Uses.

b. Aptitude: Concept and meaning of aptitude, Definitions, Characteristics of aptitude, Aptitude tests Measurement of aptitude, Uses of aptitude test.

Interest: Concept and meaning of interest, Definitions, Characteristics of interest, Measurement of interests. How to develop interest among students – role of teacher.

c. Attitude: Concept and meaning of attitude, Definitions, Characteristics of attitude, Attitude scales, Measurement of attitudes. How to develop positive attitudes among children-role of teacher.

d. Creativity: Concept and meaning of creativity, Definitions, Characteristics and stages of creativity, assessment of creativity, The role of a teacher in fostering creativity among the children

e. Thinking: Concept, Meaning, Definition, types of thinking, characteristics of thinking,

classroom implication.

f. Reasoning: Concept, Meaning, Definition, Characteristics, Reasoning process, types of reasoning class room implication.

- Metacognition: Meaning, Concept, Nature, uses, Aspects in metacognition process.
- Development of Personality - Meaning and concept of personality, definitions, characteristics, elements and factors of personality, theories of personality, assessment of personality (Projective and Non Projective)
- Mental health, adjustment & behavioral problems, conflicts, frustration, tension, anxiety, maladjustment, defense mechanisms.
- Methods and Approaches of Child Development Introspection, Observation, Interview, Case study
- Experimental method, Action research in Education
- Cross sectional and Longitudinal Developmental tasks and Hazards.

2. UNDERSTANDING LEARNING

- Learning – Meaning, Concept, Definitions, Characteristics of Learning, Types of Learning,determinants of learning, Readiness, Maturity & Motivation,Learning curves.
- Factors of Learning — Personal and Environmental
- Dimensions of Learning — Cognitive, Affective and Psycho - Motor.
- Motivation — its role in learning.
- Concept: Meaning, Definition, Formation of concept, Classification of concept, Types of concept,Concept Development, Role of teacher in conceptual development.
- Perception: Meaning, Definitions, process of perception, Characteristics, Principles of perceptual organization, Influencing factors of perception.
- Memory & Forgetting
- Transfer of Learning

  Approaches to Learning and their applicability. A)Behaviorism (Skinner,Pavlov,Thorndike B)Gestalt(Kohler, Koffka) C):Observational (Bandura) D)Constructivism (Piaget,Vygotsky) E)Bruner's theory of instruction,
- Experiential 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, Learning styles.
- Organizing learning in heterogeneous class room groups
- Paradigms of organizing Learning-Teacher centric, Subject centric and Learner centric.
- 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 on nonthreatening learning environment, Managing behavior problems, Guidance & Counseling, Punishment and its legal implications, Rights of a child, Time Management.
- Distinction between Assessment for Learning & Assessment of Learning

ICT – A

- The Concept of ICT, Tools
- Computer Hardware, Internet, Text Documents, Spread Sheets, Presentations.
- Open Education Resources, Handheld devices, Netiquette (Etiquettes in the use of Internet)
- ICT – National and State Policies
- ICT based learning process – Creation of learning Environment, Educational games.

ICT – B

- Exploring for ICT resource (Hardware, Software) evaluate and adoption of ICT resources.
- Pedagogy – Analysis: integrating with ICT and teaching
- Cyber law and protection free software's
- Integrating ICT in Assessment of port folios, rubrics and data management.
- Preparation of multimedia lessons in subjects and planning
- Activities to be conducted in multimedia lessons, the role of the teacher before, during and after multimedia lessons, social media and their role in learning.
- Online learning courses for teacher's professional development
- Open education resources, ICT platforms and MOOC.
- Assessment, Continuous Comprehensive Evaluation: Perspective & Practice.
- Understanding teaching learning in the context of NCF, 2005 & Right to Education Act, 2009.
- NEP – 2020 – Introduction, ECCE, Teacher Education.
- New Policies and Programmes implemented by A.P., Government.

B.1 LANGUAGE - I TELUGU (30 Marks)

కంటెంట్ (24 మార్కులు)

1. పఠనావగాహన

ఎ) అపరిచిత పద్యం బి) అపరిచిత గద్యం

2. తెలుగు వాచకాలలోని

ఎ) కవి పరిచయాలు బి) విశేషాంశాలు సి) ఉద్దేశాలు, ఇతివృత్తాలు డీ) ప్రక్రియలు

3. పదజాలం

ఎ) అర్థాలు బి) పర్యాయపదాలు సి) ప్రకృతి -వికృతులు డీ) నానార్థాలు

ఇ) జాతీయాలు ఎఫ్) సామెతలు జి) పొడుపు కథలు హెచ్) వ్యుత్పత్త్యర్థాలు ఐ) మాండలిక పదాలు

4. భాషాంశాలు

ఎ) భాషాభాగాలు బి) కాలాలు సి) లింగాలు డి) విభక్తులు ఇ) పురుషలు ఎఫ్)విరామ చిహ్నాలు

హెచ్) వచనాలు ఐ) వ్యాకరణ పారిభాషిక పదాలు

జె) అక్షర విభాగం : అచ్చులు, హల్లులు, ఉభయాక్షరాలు, ద్విత్వ, సంయుక్తాక్షరాలు, పరుషాలు సరళాలు, అనునాసికాలు,

ఊష్మములు, అంతస్థాలు, వర్గయుక్కులు, స్పర్శాలు, స్థిరాలు,

కె) వర్ణోత్పత్తి స్థానాలు:

ఎల్) సంధులు – నిర్వచనాలు

తెలుగు సంధులు - అత్వ,ఇత్వ,ఉత్వ, యడాగమ, సరళాదేశ, గసడదవాదేశ, ఆమ్రేడిత, ద్విరుక్తటకార, లు,ల,న,ల సంధులు

సంస్కృత సంధులు - సవర్ణదీర్ఘ, గుణ, యణాదేశ, వృద్ధిసంధులు

సంధులకు సంబంధించిన పదాలను విడదీయడం సంధి చేయడం.

ఎమ్) సమాసాలు - నిర్వచనాలు

విగ్రహవాక్యాలను గుర్తించడం, విగ్రహవాక్యాలను సమాస పదాలుగా కూర్చడం

ఎన్) ఛందస్సు - గురు లఘువుల లక్షణాలను గుర్తించడం, చంపకమాల పద్య లక్షణాలు

ఒ) అలంకారాలు - పాఠ్యపుస్తకమునందలి అలంకారాలు గుర్తించడం.

పి) వాక్యాలు - రకాలు, క్రియలు – రకాలు

తెలుగు బోధనా పద్ధతులు (6 మార్కులు)

ఎ) భాష – మాతృభాష, మాతృభాషా బోధనా లక్ష్యాలు

బి) భాషా నైపుణ్యాలు - సాధించాల్సిన సామర్థ్యాలు

సి) బోధనా పద్ధతులు

డి) ప్రణాళికా రచన - వనరుల వినియోగం

ఇ) బోధనాభ్యసన ఉపకరణాలు

ఎఫ్) మూల్యాంకనం -నిరంతర సమగ్ర మూల్యాంకనం (నిర్మాణాత్మక, సంగ్రహణాత్మక)

B.2 LANGUAGE - I URDU (30 Marks)

Content: 24 Marks مواد

I مطالعہ کا فہم: A) ان دیکھی نظم B) ان دیکھا نثر

II جماعت اوّل تا ہشتم کی درسی کتابیں:

A) شعراء و ادباء کا تعارف B) سوانح حیات اور ان کے ادبی کارنامے

C) اسباق D) اردو کے شعری اور نثری اصناف

III زبان شناسی: (صرف اسباق سے متعلق)

A) لفظات

☆ واحد جمع، اضداد، ہم وزن و ہم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ

B) قواعد

☆ علم ہجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصمتے، جنس، تعداد، رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اور اس کے اقسام، سابقہ و لاحقہ

Methodology 06 Marks (طریقۂ تدریس)

تحتانوی سطح پر زبان کی ترقی و تفہیم

سالِ اوّل:

1) زبان۔سماج۔
2) تحتانوی سطح پر زبان کی استعدادوں کی ترقی۔
3) درسی کتابیں۔علم تدریس کا فہم۔
4) منصوبۂ کمرۂ جماعت۔زبانی اکتساب۔احتساب۔

سالِ دوم:

1) زبان کی تدریس۔بچے۔
2) زبان کی استعدادوں کی ترویج۔
3) زبان کے وسائل اور اس کا استعمال۔
4) زبان کی ترقی کی کارکردگیاں۔
5) زبان کے اکتساب متوقع نتائج۔حکمت عملیاں

B.3 LANGUAGE - I HINDI (30 Marks)

CONTENT (24 MARKS)

1. अवबोध : पठित - अपठित - पद्य - गद्य
2. कवि -काव्य- रचनाकार -लेखक -रचनाएं
3. वर्णमाला: स्वर,व्यंजन,वर्ण विच्छेद,अक्षर,संयुक्ताक्षर, द्वित्वाक्षर
4. शब्द भेद,शब्द ध्वनिया, शब्द रूप, परिवर्तन के आधार पर विकारी और अविकारी शब्द
5. व्याकरण : वचन,लिंग,कारक,काल, विराम चिह्न,संधि,समास,विलोम,समानार्थी शब्द, भिन्नार्थी,मुहावरे, कहावतें,लोकोक्तियां,उपसर्ग, प्रत्यय
6. अकर्मक -सकर्मक क्रिया, वाक्य भेद,वाक्य क्रम
7. हिंदी पाठ्य पुस्तके (द्वितीय भाषा) छठवीं कक्षा से आठवीं कक्षा तक(पठन हेतु) सहित

METHODOLOGY (6 Marks)

- भाषा
- भाषा का स्वरुप, साहित्य
- भाषा अधिगम
- भाषा शिक्षण के सूत्र
- पाठ योजना
- भाषा की शिक्षा और उपकरण
- व्याकरण की शिक्षा
- हिंदी में मूल्याकण

B.4 LANGUAGE - I KANNADA (30 Marks)

Content (24 Marks)

1. ಓದುವ ತಿಳುವಳಿಕೆ :

ಎ) ಅಪರಿಚಿತ ಗದ್ಯ ಬಿ) ಅಪರಿಚಿತ ಪದ್ಯ

2. ಕನ್ನಡ ಪಠ್ಯಪುಸ್ತಕಗಳು, ಪೂರಕ ಪಾಠಗಳಲ್ಲಿನ ವಿಷಯಗಳು :

ಎ) ಕವಿ ಪರಿಚಯ ಬಿ) ಕಾವ್ಯಗಳು ಸಿ) ಹಿನ್ನೆಲೆ, ನಿದರ್ಶನಗಳು

3. ಪದಜಾಲ ಸಂಪತ್ತು :

ಎ) ಅರ್ಥಗಳು ಬಿ) ಸಮನಾರ್ಥಕ ಪದಗಳು ಸಿ) ನಾನಾರ್ಥಗಳು

ಡಿ) ತತ್ಸಮ – ತದ್ಭವಗಳು ಇ) ನುಡಿಗಟ್ಟುಗಳು ಎಫ್) ಗಾದೆಗಳು

ಜಿ) ಸಕರ್ಮಕ – ಅಕರ್ಮಕ ಪದಗಳು

4. ಭಾಷಾಂಶಗಳು :

- ಕಾಲಗಳು, ಲಿಂಗಗಳು, ವಚನಗಳು
- ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು, ಲೇಖನ ಚಿಹ್ನೆಗಳು, ಪಾರಿಭಾಷಿಕ ಪದಗಳು, ಪುರುಷಗಳು.
  (ಧ್ವನ್ಯಂಗಗಳು, ವ್ಯಂಜನಗಳು, ಸ್ವರಗಳು, ಅನುನಾಸಿಕಗಳು, ಸಂಯುಕ್ತಾಕ್ಷರಗಳು, ದ್ವಿತ್ವ ಇತ್ಯಾದಿ.)
- ಸಂಧಿಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
  ಸಂಧಿಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಪದಗಳನ್ನು ಬಿಡಿಸಿ ಬರೆಯುವುದು, ಪದಗಳನ್ನು ಸಂಧಿ ಮಾಡುವುದು.
- ಸಮಾಸಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮಾಸ ಪದಗಳಾಗಿ ಜೋಡಿಸುವುದು.
- ಛಂದಸ್ಸು – ಗುರು, ಲಘುಗಳ ಲಕ್ಷಣಗಳನ್ನು ಗುರುತಿಸುವುದು.
- ಅಲಂಕಾರಗಳು – ಪಠ್ಯಪುಸ್ತಕದಲ್ಲಿನ ಅಲಂಕಾರಗಳನ್ನು ಗುರ್ತಿಸುವುದು.
- ವಾಕ್ಯಗಳು – ವಿಧಗಳು – ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಮಿಶ್ರ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು.

Methodology (6 Marks)

ಕನ್ನಡ ಭಾಷಾ ಬೋಧನಾ ಪದ್ಧತಿಗಳು :

- **ಭಾಷೆ, ಮಾತೃಭಾಷೆ ಬೋಧನೆ ಮತ್ತು ಬೋಧಕ :** ಬೋಧನೆಯ ಉದ್ದೇಶಗಳು ಮತ್ತು ಗುರಿಗಳು.
- ಭಾಷಾ ಕೌಶಲ್ಯಗಳು – ಸಾಧಿಸಬೇಕಾದ ಸಾಮರ್ಥ್ಯಗಳು
- ಬೋಧನಾ ಪದ್ಧತಿಗಳು
- ಯೋಜನೆಗಳ ರಚನೆ – ಸಂಪನ್ಮೂಲಗಳ ಬಳಕೆ
- ಬೋಧನೋಪಕರಣಗಳ ಮಹತ್ವ – ಪಾತ್ರ
- **ಮೌಲ್ಯಮಾಪನ :** ನಿರಂತರ ಸಮಗ್ರ ಮೌಲ್ಯಮಾಪನ (ರಚನಾತ್ಮಕ ಮತ್ತು ಸಂಗ್ರಹಣಾತ್ಮಕ)

B.5 LANGUAGE - I TAMIL (30 Marks)

Content (24 Marks)

I. **புரிந்துகொள்ளுதல் - விடையளித்தல்**

அ) அறியாப் பத்தி ஆ) அறியாச் செய்யுள்

II. **3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்பு வரை தமிழ் பாடப் புத்தகத்திலுள்ள அனைத்தும்.**

அ) ஆசிரியர் குறிப்பு (3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரை)

ஆ) சிறப்பம்சங்கள் (3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரை செய்யுள்)

சொல்லாக்கம் :

3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரையுள்ள

அ) சொற்பொருள் ஆ) தொகைச்சொல் இ) பிரித்து எழுதுக ஈ) சேர்த்துஎழுதுக உ) மரபுச் சொற்கள் ஊ) பிறமொழி சொல்லுக்கு தமிழ்ச்சொல் எ) வழக்கு (பேச்சு, எழுத்து) ஏ) ஒரு பொருள் குறித்த பல சொற்கள்.

III. **மொழித்திறன் :**

3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரையுள்ள

அ) எழுத்து (முதலெழுத்து, சார்பெழுத்து) ஆ) காலம் இ) பால் ஈ) இடம் உ) திணை ஊ) மூவகைப்போலி எ) நால்வகைச்சொற்கள் ஏ) வேற்றுமை உருபுமட்டு ஐ) புணர்ச்சி (இயல்பு, விகாரம்) ஒ) யாப்பு (அசைகளை அடையாளம் காணல்) ஓ) அணி செய்யுளில் அமைந்துள்ள அணியை அடையாளம் காண்) ஔ) தொடர்கள் (செய்வினை, உணர்ச்சி, கட்டளை, எதிர்மறை)

Methodology (06 Marks)

* **தமிழ்மொழி கற்பித்தல் முறைகள் :**

முதலாம் ஆண்டு D.Ed.

* தமிழ் மொழித்திறன் வளர்த்தல்.

* மொழியின் இயல்பும் கற்பித்தலும்.

* அடிப்படைத் திறன்கள் - பாடங்களைக் கற்பித்தல்.

* பாடம் கற்பிப்புத் திட்டம்.

இரண்டாம் ஆண்டு D.Ed.

* பாட ஏற்பாடு - சொற்களஞ்சியம் பெருக்குதல்.

* தமிழ் மொழித்திறன் வளர்த்தல்.

* தமிழ் கற்பித்தலில் தகவல் தொழில் நுட்பம்.

* தேர்வும் - மதிப்பீடும்.

B.6 LANGUAGE - I ODIA (30 Marks)

Content : 24 Marks

1. ଅବବୋଧ ପରୀକ୍ଷଣ :

କ) ଅପରିଚିତ ପଦ୍ୟ ଖ) ଅପରିଚିତ ଗଦ୍ୟ

2. ଓଡ଼ିଆ ସାହିତ୍ୟ :

କ) କବି/ଲେଖକ ପରିଚୟ ଖ) ବିଷୟବସ୍ତୁ ଗ) ପୃଷ୍ଠଭୂମି

3. ଶବ୍ଦ ଭଣ୍ଡାର :

କ) ଶବ୍ଦାର୍ଥ ଖ) ପ୍ରତିଶବ୍ଦ ଗ) ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ ଘ) ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ
ଙ) ସମୋଚ୍ଚାରିତ ଶବ୍ଦ ଚ) ଯୁଗ୍ମଶବ୍ଦ

4. ଭାଷା ପ୍ରକରଣ :

କ) ଭାଷା ପରିଚୟ ଖ) ଧ୍ୱନି ଓ ଲିପି, ବର୍ଣ୍ଣ ଓ ଅକ୍ଷର, ମାତ୍ରା ଓ ଫଳା ଗ) ଶବ୍ଦ ବିଭାଗ
ଘ) ପଦ ପ୍ରକରଣ – ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, କ୍ରିୟା ଓ ଅବ୍ୟୟର ସଂଜ୍ଞା ଏବଂ ପ୍ରକାର ଭେଦ
ଙ) ସନ୍ଧି – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ
ଚ) ସମାସ – ସଂଜ୍ଞା, ସମାସର ନାମ, ସମସ୍ତ ପଦ, ବିଗ୍ରହ ବାକ୍ୟ ଓ ପ୍ରକାର ଭେଦ
ଛ) ଛନ୍ଦ – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ
ଜ) ଅଳଙ୍କାର – ସଂଜ୍ଞା, ପ୍ରକାର ଭେଦ, ଲକ୍ଷଣ ଓ ଉଦାହରଣ
ଝ) ବାକ୍ୟ – ବାକ୍ୟର ଗଠନମୂଳକ ପ୍ରକାର ଭେଦ, ବାକ୍ୟର ବ୍ୟବହାର ମୂଳକ ପ୍ରକାର ଭେଦ,
ସଂଜ୍ଞା ଓ ସ୍ୱରୂପ

Methodology : 6 Marks

କ) ମାତୃଭାଷା ଶିକ୍ଷାଦାନ
ଖ) ଜ୍ଞାନ ପାଇଁ ପଠନ
ଗ) ଲିଖନ କୌଶଳ
ଘ) ଶିକ ଣ କାର୍ଯ୍ୟଭିତ୍ତିକ ପାଠଯୋଜନା
ଙ) ଶିକ୍ଷଣ ଉପକରଣ
ଚ) ମୂଲ୍ୟାୟନ

C. LANGUAGE – II ENGLISH (30 Marks)

Content 24M

VOCABUBLARY	LEVEL OF TESTING
Synonyms	Identification
Antonyms	Identification
Homophones	Identification
Homonyms	Identification
Spelling	Spelling
Phrasal Verbs	Identification of meaning
One Word Substitutions	Identification of meaning
Word Formation	Suffixes and Prefixes, Compound Words, Noun to Adjective
Idioms and Phrases	Identification of meaning
Anagram	Identification
GRAMMAR	**LEVEL OF TESTING**
Helping Verbs	Forms, Contractions
Modal Auxiliaries	Form, Function, Contractions & Negatives
Ordinary Verbs	Form, Function, Contractions
Articles	Use of Articles
Prepositions	Types and functions
Clauses	Main Clauses, Sub-ordinate Clause, Noun Clauses, If Clauses
Sentence Structures	Basic Sentence Structures
Language Functions	Language functions with social norms (School and domestic context)
Types of Sentences	Types of Sentences
Direct Speech & Indirect Speech	Statements, Questions, Imperatives
Tenses	Use of tenses and framing including IF conditionals Type 1 & 3
Agreement of subject with verb	Agreement of subject with verb
Word Order	Word order in a phrase and a sentence
Parts of Speech	Nouns, Pronouns, Adjectives, Adverbs, Conjunctions – Types and functions
Linkers	Types and functions
Transformation of sentences	Simple, Compound and Complex Sentences
Common Errors	Based on all Vocabulary and Grammar topics
CONVENTIONS OF WRITING	**LEVEL OF TESTING**
Punctuation and Capitalisation	Use of capital letters, full stop, question mark, comma, exclamation mark, double quotes, Apostrophe
DISCOURSES	**LEVEL OF TESTING**
Writing of discourses	Letter writing, Diary writing, Descriptions, Notice, Dialogue writing, Biographical sketch, Invitations, Email, Speech, Short poem
DICTIONARY SKILLS	**LEVEL OF TESTING**
Dictionary Skills	Alphabetical Order, Word Stress
READING COMPREHENSION	**LEVEL OF TESTING**
Prose	Prose (General)

Methodology (6 Marks)

METHODOLOGY	LEVEL OF TESTING
1. Aspects of language - English language history, nature, importance, principles of English as second language and - Problems of teaching / learning English 2. Objectives of teaching English 3. Development of language skills - Listening, Speaking, Reading and Writing (LSRW) - Communicative skills and imparting values through communication. 4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching. 5. Teaching of structures, vocabulary and grammar. 6. Teaching learning materials in English 7. Lesson planning 8. Curriculum and textbooks – importance and need. 9. Evaluation in English language	Detailed and deep understanding with application in broader sense.

D. MATHEMATICS (30 Marks)

Content (24 Marks)

1. NUMBERS

Numbers - Four fundamental operations (Addition, Subtraction, Multiplication, Division) - Knowing about Numbers - Hindu-Arabic system of numeration (Indian system of numeration) - International system of numeration (British system of numeration) - Place value and Face values of a digit in a number - Comparing and Ordering of Numbers - Whole Numbers - Factors and Multiples - Prime and Composite numbers - Even and Odd numbers - Tests for Divisibility of Numbers - Common Factors and Common Multiples - Prime factorisation - Highest Common Factor (G.C.D) - Lowest Common Multiple - Integers - properties and fundamental operations - Fractions and decimals - Types of fractions - comparison - Applications of fractions in daily life - four fundamental operations on fractions and decimals - Rational Numbers - Properties of Rational Numbers - Rational Numbers between two rational numbers - Four fundamental Operations on Rational Numbers - Product of reciprocals - Squares - Square roots (Numbers and Decimals) - Properties of Square Numbers - Cubes - Cube roots of Numbers - Playing with Numbers - Games with Numbers - Letters for Digits.

2. ARITHMETIC

BODMAS rule - Ratios and Proportions (Direct, Inverse) - comparing quantities using ratios, proportion, percentage and their applications - Profit and Loss - Discount - Sales Tax/Value Added Tax/Goods and Services Tax - Simple, Compound Interest and their applications.

3. GEOMETRY

Basic geometrical concepts (Point, Line, Line segment, Ray, Curves, Polygons, Angles) - Measuring of Lines - Pairs of Lines - Elements of Angles - Measuring of Angles - Types of Angles - Naming of the given 2D figures of Triangles, Square and Rectangle - The Triangle - Types of Triangles and its Properties - Classification of Polygons - Angle sum property - Kinds of Quadrilaterals (Trapezium, Kite, Parallelogram) - Some special parallelograms (Rhombus, Rectangle, Square) - Constructing different types of Quadrilaterals - Views of 3D-Shapes - Identification of Edges, Vertices and Faces of 3D figures (Euler's Rule) - Nets for building 3D shapes.

4. DATA HANDLING

Reading and interpreting and analysing the Data (pictograph, tally marks, bar graphs, double bar graph, pie charts) - Arithmetic Mean - Mode - Median of un-grouped data - Chance and Probability.

5. ALGEBRA

Patterns - making rules - The idea of variables - formation of algebraic expressions -Terms, Factors and Coefficients - Linear equations in one variable - terms and types of algebraic expressions - finding the value of an expression - Addition, Subtraction and Multiplication of Algebraic Expressions - Multiplying a Monomial by a Monomial and polynomial - Multiplying a Polynomial by a Polynomial - Standard Identities and their applications - Applications of simple equations to practical situations - Exponents and Powers - Negative exponents - Laws of exponents - Expressing large numbers in the standard form - Factorisation - Division of Algebraic Expressions Continued (Polynomial ÷ Polynomial) - Linear Graphs.

6. MENSURATION

Measuring Length, Weight, Capacity, Time-Seasons, Calendar, Money, Area - Symmetry (Line and Rotational) - Perimeter of Triangle, Square, Rectangle, Rhombus, Trapezium, Parallelogram, Circle

and Polygon), Area of a Quadrilateral, Surface Area and Volume of Cube, Cuboid and Cylinder - Volume and capacity.

Methodology (6 Marks)

- Nature and Definitions of Mathematics
- Aims, values and instructional objectives of teaching Mathematics
- Methods of Teaching & Remedial measures in Mathematics
- Instructional Material, TLM and Resource Utilization in Mathematics
- Curriculum, Text Book & Instructional Planning.
- Evaluation and Continuous Comprehensive Evaluation

E. ENVIRONMENTAL STUDIES (30 Marks)

Content (12 Marks)

E (i) SCIENCE

1. LIVING WORLD

Living and non-living things - Characteristics of living organisms

Plants -Types of plants- Herb, shrub, Tree, basing on habitat – Terrestrial, Aquatic, Desert etc, plant parts -functions

Animals – Animals around us – Oviparous, viviparous; herbivore, carnivore, omnivore; shelters of different animals, Birds – beaks, Domestic animals, Wild animals, Types of animals basing on habitat, herbivore, carnivore, omnivore, Animals sounds, Movements in animals, Different types of habitat and adaptation, Homes of animals, Nests of birds.

Human beings - Body parts, Healthy body – good habits, Sense organs and their care, concern for differently abled persons, Good touch and Bad touch, Skeletal parts – Bones, Joints, Cartilage; muscles, Safety measures – at home, school safety, Road safety, water hazards, First- aid.

Food - Food, Need of food, Sources of food – plants, animals, Types of food, Cooked and raw foods, Utensils, Mid-day meal, Methods of preparing food, Food wastage, Preservation of food, Good food habits, Our food, Components of food, Balanced diet, Junk food, Deficiency diseases
Agricultural Practices, Tools used in agriculture, Methods of agriculture, Storage of food, Food from Animals, Food for birds and animals.

Family - Role of family members, Family Tree, Types of family, Changing family structure, Family Budget, Shelter for all, Different types of houses, Home appliances, Migration – Reasons, Effects, Slums, Homeless people.

Cell – The basic unit of life, Types of cells, Cell structure and function.

Microorganisms - Introduction to microorganisms – types, Useful Microorganisms, Harmful microorganism.

Games and recreation- indoor, outdoor, local games, uses, materials used and the rules.

2. LIFE PROCESSES

Nutrition - Nutrition in plants – Autotrophic, Parasitic, saprophytic, Insectivorous, Different ways of taking food, Digestion in humans, Digestion in grass eating animals, feeding and digestion in amoeba.

Respiration - Types of respiration, Respiration in animals, Respiration in plants,

Circulation - Circulatory system in human being -Transport of substances in plants.

Excretion in animals,

Coordination- Nervous system,

Reproduction - Modes of reproduction – sexual, asexual and vegetative, Seed dispersal, Sexual and Asexual Reproduction in Animals, Adolescence and puberty – changes, role of hormones, Reproductive phase, Sex determination, Hormones other than sex hormones, Metamorphosis, Reproductive health

3. NATURAL PHENOMENA

OBJECTS AND MATERIALS

Objects around us – Properties of materials - classification of materials, Properties and uses of Metals and Non-metals, Reactivity order of metals, Methods of separation– Saturated and unsaturated solutions. Acids, bases and salts, indicators, Neutralization,Physical and chemical changes, Rusting of Iron, Galvanization, Crystallization,

MEASUREMENT OF DISTANCES – MOTION

Measurement of distances, Standard units and non-standard units of measurements, Motion and rest, Types of motion, Motion and time – speed, average speed, Uniform and non-uniform motions, Measurement of time, Time period, Units of time and speed, Measuring speed, Distance-time graph,

LIGHT

Light, shadows, and reflections, Transparent, opaque and translucent objects, pin hole camera, mirrors and reflection, Regular and Diffused Reflection, multiple images, kaleidoscope, periscope, Characteristics of images formed by mirrors, Spherical mirrors and images, Lenses and images, Sunlight – dispersion, Human Eye, Care of the Eyes, Braille System, Visually Impaired Persons

ELECTRICITY

Simple electric circuit and its components, Symbols of electric components, Electric conductors and insulators, Heating effects of electric current, CFL, LED, Fuse and MCB, Magnetic effects of electric current, Electromagnet, Electric bell, Chemical Effects Of Electric Current, Good/Poor

Conducting Liquids, Electroplating.

MAGNETISM

Magnets – Discovery of magnets, Magnetic and non magnetic substances, Types of magnets, Properties of magnets, Magnetic compass, Storing of magnets.

HEAT

Heat – temperature, measuring temperature, Units of temperature, Types of Thermometers, Transfer of heat – conduction, convection, radiation.

FORCE, FRICTION AND PRESSURE

Force – push or pull, Exploring forces, net force, Effect of force on objects, Contact and non contact forces, Pressure, Fluid pressure, Atmospheric pressure, Friction, Factors effecting friction, Friction: A necessary evil, Increasing and reducing friction, Types of friction.

COMBUSTION AND FUELS

Exhaustible and inexhaustible resources, Fuels – Types, Coal, Uses of Coal and Coal products, Refining of petroleum, Petrochemical products in various sectors, Various Constituents of Petroleum and their Uses, Formation of coal and petroleum, Natural Gas, Misuse of Energy resources and Consequences. Combustion, Types of Combustion, Ignition temperature, Inflammable substances, Flame, Fuel Efficiency, Burning of Fuels Leads to Harmful Products, Fire control, Structure of flame – colour zones – Intensities.

FIBRES

Natural and Synthetic fibres, Preparation and uses, Types and Characteristics of Synthetic Fibres, Our dress our culture, Kinds of cloths we wear in winter and summer, Plastics as Materials of Choice, Types of plastics, Plastics and environment, Biodegradable – Non biodegradable materials.

SOUND

Sound - a form of energy, Production of sound, Some musical instruments, Propagation of sound, Human ear, Hearing Impairment, Noise and Music, Types of waves (longitudinal and transverse), Characteristics of sound waves (Wavelength, Frequency, Time period, Speed of the wave), Pitch, Loudness and Quality, Audible and Inaudible sounds, Noise pollution.

SOME NATURAL PHENOMENA

The Story of Lightning, Charging by Rubbing, Electric charge and properties of electric charge, Types of charges and their interactions, Transfer of charge, lightning, lightning safety, lightning conductors, Earthquake, Tsunami, Causes and effects, Protective measures.

OUR UNIVERSE

The Moon, The Moon's Surface, Phases of Moon, Eclipses (Solar and lunar eclipses), The Stars, Movement of Stars (Constellation, pole star), Movement of the Sun, Solar System, Planets and

Some Other Members of the Solar System, Artificial Satellites.

4. TRANSPORTATION AND COMMUNICATION

Transportation - Story of transport – Objects- signs and signboards used for transport- Places associated with transport- Modesof travel in the present and in the past- Methods of transport in different topographical conditions (Transport in hilly areas, Forest, Deserts, Snowy areas, Rivers & Canals)- Need foran international transport -Import and export of the goods- different means of transport of goods- Importance of tourism and seven wonders of the world.

Communication - Means and objects of Communication- Types of Communication both in Human andAnimals (different feelings and gestures) Modern forms of communication- Communication used in the past and present- Advantage of Mass Communication- Communication through Postcard, Cell Phone, E-Mail, News Paper, Radio, TV, and Social Media etc.,

How communication and transport brings the entire world together.

5. PROFESSIONS AND SERVICES

House hold materials with reference to profession (farmer, cobbler, tailor etc)-Different professions andtheir need to the society- villager/farmer (seeds/manure/ agri methods etc.,) , helping agents (bank, e- seva,PHC, panchayat office, post office/etc.,) Governance and Services - Local Self Govt, State, Central Govt, Judiciary.

6. OUR ENVIRONMENT

Climate – Climate change, Weather- Climate- rain- floods- Cyclones- disaster management,

Global environmental issues – Green house effect, Global warming, Acid rains. Ecofriendly activities, Say no to plastic.

Air - Presence of air, Components of air, Properties of air, Availability of oxygen to animals and plants, Replacement of oxygen in the atmosphere, uses of air, Nitrogen cycle, Air pollution -causes, effects and prevention.

Water - Forms of water, Uses of water, source, scarcity, protected water, wastage of water, Water resources, Tank pollution, safe drinking water, tank management, journey of rain drop – Water cycle, water magic, water properties, Water resources, major rivers in AP, fisherman, water transport, tragedy of rivers, drought and floods, water pollutions - Causes, effects and prevention. Sewage, Treatment of polluted water, Better house keeping practices, Sanitation and Disease, Alternative arrangement for sewage disposal.

Biodiversity - Forests, Flora, fauna, interrelation of organisms, Green world, Advantages of forests, Deforestation - effects, Chipko movement, Conservation of forest and wildlife – Protecting areas, endangered and endemic species.

.

Methodology (3 Marks)

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

E (ii) SOCIAL STUDIES

Content (12Marks)

1. OUR UNIVERSE

- The shape of the Earth, The Universe- Origin, solar System, Our Earth in the Solar System – Celestial bodies, Constellations, Realms of the Earth- Latitudes and Longitudes -Movements of Earth – Solar System- Globe-Model of Earth – Axis of Earth, Equinox – Eclipses.
- Maps – Directions, Scale, Symbols, Patterns, Types, Where are we-Village, Mandal, District, country maps.
- The Earth- Environment – Components, Interior of the Earth, Atmosphere, Biosphere, Pollution, Disasters.
- Land Forms – Major Land Forms in AP, Podu cultivation, Diversity in Lifestyles.
- Forests-Climatic Regions - Types of Forests, Forests in AP, Uses- Deforestation, Conservation of Forests.
- Land, Soil, Water, Natural Vegetation and Wildlife Resources.

2. PRODUCTION EXCHANGE AND LIVELIHOODS

- Migration of people- Reasons for migration, effects of migration, Slums, Family Budget, Profession and services- Farmer, Tailor.
- Resources – Types, Conservation, Mineral and Power Resources – Types of Minerals, Distribution, Conservation Power Resources: Conventional, Non-Conventional.
- Human Resources- Distribution of Population, Density of Population, Population Change, population composition.
- Agriculture – Types of farming, Major crops; industries- Classification and Distribution.
- Weavers, Iron Smelters, factory owners, Indian Textile and the world market-The sword of Tipu Sultan and Wootz steel, Public facilities, Water as a part of fundamental Right to Life- Govt. Role.
- Markets Around Us- Types of Markets- Consumer Protection.
- Transport system, International Transport, Exports and Imports, Global Village, Road ways, My bicycle, Vehicles other than Transport, Transport in Hill areas, Forests, deserts, snowy areas, rivers and canals, Road Safety, Traffic symbols, Road safety measures, pedestrian safety, safe cycling, safety travelling.

3. POLITICAL SYSTEMS AND GOVERNANCE

- Early Life to Settled life- Early people, Nomadic life, Belum caves, Rock paintings, Growing plants, Rearing animals, Towards a settled life, Emergence of Kingdoms and Republics, Mahajanapadas, Magadha, Vaggi Kingdoms and Empires- Mauryan, Guptas, Satavahanas, Pallava, Chalukya Dynasties.
- Delhi Sultanate, Kakatiyas, Vijayanagara Empire, Mughals, Contemporary Kingdoms.
- Governments – Types, Monarchy, Democracy, Different levels, Local and Self Government, State and Central Governments; Why do we need a Parliament?, The role of the Parliament, Who are the people in the parliament?; State Government – Legislature, Executive, Judiciary- Role, Independent Judiciary, Structure of Courts in India, Different Branches of the legal system- Understanding our Criminal Justice System – the role of police and Public Prosecutor, Judge, Fair Trail- Law and Social Justice – Bhopal gas Tragedy, Enforcement of Safety Laws, New laws to protect the Environment.
- The Indian Constitution, key features – Fundamental Rights – Fundamental Duties; Understanding Secularism, Understanding Laws.
- - Civilizing the “Native” Educating the nation- How the British saw Education? – What happened to the local schools?- the agenda for a National Education, How Important are

Dates, How do we periodise, What is Colonial?,- From Trade to Territory-The Company establishes Power, East India Company, Battle of Plassey, Tippu Sultan, The Doctrine of Lapse, Setting up a new administration – Ruling the countryside – Diwani system, Munro system, Demand for Indian Indigo, The Blue Rebellion and after – Tribals, Dikus and the vision of Golden age-How did Tribal groups live?, How did colonial rule effect Tribal lives?, Forest Laws and their impact- Birsa Munda.

- Indian Freedom struggle, When people Rebel 1857 and after- Policies and the people, Through the Eyes of the people, A Mutiny becomes a popular Rebellion, the company fights back, The making of the National Movement: 1870's to 1947- The emergence of nationalism, The growth of mass nationalism, The March to Dandi, Quit India and Later – India after Independence- A new and divided nation, A Constitution is written, How were states to be formed – Planning for development, A Nation sixty years on

4. SOCIAL ORGANISATION AND INEQUITIES

- Towards Equality- Diversity, Discrimination, prejudice, stereo type, Types of Discrimination – Inequality, Steps towards equality – Constitutional provisions, Remedial measures for abolishing inequality, Will Discrimination and inequalities stop people from achieving their goal.
- Women Change the World, Women's movement, Inspirational Women- Women, Caste and Reforms- Working towards change: Changing the lives of Widows, Girls begin going to School, Women write about women, Caste and social reform: Gulamgiri who could enter, The Non Brahman Movement.
- Understanding Marginalisation – Adivasis and Development, Minorities and Marginalisation- Confronting Marginalisation- Invoking Fundamental Rights-Laws for the Marginalised, Protecting the rights of the Dalits and Adivasis, Adivasis Demands and the 1989 Act.

5. RELIGION AND SOCIETY

- Religions – Hinduism, Jainism, Buddhism, Islam and Sikhism, Unity in Diversity; Bhakthi and Sufi Movements

6. CULTURE AND COMMUNICATION

- Together with everyone – communication, Postal services, mobiles, E-mail, Mass communication, Newspaper, Radio, TV, Social Media.
- Let us Visit-Historical and Tourist places in AP; Early Civilisations- Indus Valley civilisation, vedic period, vedic literature; Indian Culture, Languages.

Methodology (3 Marks)

- Nature and Scope of Social Studies
- Aims, Objectives and Values of Teaching Social Studies
- Methods of Teaching Social Studies
- Resource Utilization, Content Enrichment material
- Curriculum, Text Book and Instructional Planning
- Evaluation and Continuous Comprehensive Evaluation

Teacher Eligibility Test – 2024

PAPER – I(B)

Structure and Content (All Compulsory)

A	Child Development and Pedagogy (Special Education)	30 MCQs	30 Marks
B	Language I (Telugu/Urdu/Hindi/Kannada/Tamil/ Odia)	30 MCQs	30 Marks
C	Language II (English)	30 MCQs	30 Marks
D	Mathematics	30 MCQs	30 Marks
E	Environmental Studies	30 MCQs	30 Marks
	Total	**150 MCQs**	**150 Marks**

A. CHILD DEVELOPMENT AND PEDAGOGY (SPECIAL EDUCATION) (30 Marks)

1. CHILD DEVELOPMENT:

- Nature of Child development
- Principles and approaches of growth and development
- Theories of learning
- Methods of child study
- Individual differences

2. PEDAGOGY IN SPECIAL EDUCATION

- Characteristics and educational needs of Children with Special Needs
- Types and approaches to assessment of Children with Special Needs
- Curriculum Development and Curricular adaptations
- Concept of Individual Educational Plan and Individualised Family Services Plan
- Teaching strategies for Children with Special Needs
- Individualised Education Plan (IEP)

3. EDUCATION COMMISSIONS AND POLICIES (SCHOOL EDUCATION)

- Constitutional provisions on education that reflect National Ideals: Equality, liberty, secularism, andsocial justice
- National Commissions and Policies: Education Commission (1964), NPE and POA (1986, 1992), National Policy for Persons with Disabilities (2006), National Education Policy 2020.
- National Acts: RCI Act, 1992, PWD Act, 1995, NT Act, 1999, RTE Act (2009 & 2012). RPWD Act2016
- Programmes and Schemes: IEDC (1974, 1983), SSA (2000, 2011), RMSA, 2009, IEDSS, 2009
- International Conventions and Policies: Salamanca Declaration and Framework, 1994; UNCRPD,2006; MDG, 2015; INCHEON strategies
- New trends and strategies in implementing inclusive education for CWSN

B.1 LANGUAGE - I TELUGU (30 Marks)

కంటెంట్ (24 మార్కులు)

1. పఠనావగాహన

ఎ) అపరిచిత పద్యం బి) అపరిచిత గద్యం

2. తెలుగు వాచకాలలోని

ఎ) కవి పరిచయాలు బి) విశేషాంశాలు సి) ఉద్దేశాలు, ఇతివృత్తాలు డీ) ప్రక్రియలు

3. పదజాలం

ఎ) అర్థాలు బి) పర్యాయపదాలు సి) ప్రకృతి -వికృతులు డీ) నానార్థాలు

ఇ) జాతీయాలు ఎఫ్) సామెతలు జి) పొదుపు కథలు హెచ్) వ్యుత్పత్త్యర్థాలు ఐ) మాండలిక పదాలు

4. భాషాంశాలు

ఎ) భాషాభాగాలు బి) కాలాలు సి) లింగాలు డి) విభక్తులు ఇ) పురుషలు ఎఫ్)విరామ చిహ్నాలు

హెచ్) వచనాలు ఐ) వ్యాకరణ పారిభాషిక పదాలు

జె) అక్షర విభాగం : అచ్చులు, హల్లులు, ఉభయాక్షరాలు, ద్విత్వ, సంయుక్తాక్షరాలు, పరుషాలు సరళాలు, అనునాసికాలు,

ఊష్మములు, అంతస్థాలు, వర్గయుక్కులు, స్పర్శాలు, స్థిరాలు,

కె) వర్ణోత్పత్తి స్థానాలు:

ఎల్) సంధులు – నిర్వచనాలు

తెలుగు సంధులు - అత్వ,ఇత్వ,ఉత్వ, యడాగమ, సరళాదేశ, గసడదవాదేశ, ఆమ్రేడిత, ద్విరుక్తటకార, లు,ల,న,ల సంధులు

సంస్కృత సంధులు - సవర్ణదీర్ఘ, గుణ, యణాదేశ, వృద్ధిసంధులు

సంధులకు సంబంధించిన పదాలను విడదీయడం సంధి చేయడం.

ఎమ్) సమాసాలు - నిర్వచనాలు

విగ్రహవాక్యాలను గుర్తించడం, విగ్రహవాక్యాలను సమాస పదాలుగా కూర్చడం

ఎన్) ఛందస్సు - గురు లఘువుల లక్షణాలను గుర్తించడం, చంపకమాల పద్య లక్షణాలు

ఒ) అలంకారాలు - పాఠ్యపుస్తకమునందలి అలంకారాలు గుర్తించడం.

పి) వాక్యాలు - రకాలు, క్రియలు – రకాలు

తెలుగు బోధనా పద్ధతులు (6 మార్కులు)

ఎ) భాష – మాతృభాష, మాతృభాషా బోధనా లక్ష్యాలు

బి) భాషా నైపుణ్యాలు - సాధించాల్సిన సామర్థ్యాలు

సి) బోధనా పద్ధతులు

డి) ప్రణాళికా రచన - వనరుల వినియోగం

ఇ) బోధనాభ్యసన ఉపకరణాలు

ఎఫ్) మూల్యాంకనం -నిరంతర సమగ్ర మూల్యాంకనం (నిర్మాణాత్మక, సంగ్రహణాత్మక)

B.2 LANGUAGE - I URDU (30 Marks)

Content: 24 Marks مواد

I مطالعہ کا فہم: A) ان دیکھی نظم B) ان دیکھا نثر

II جماعت اوّل تا ہشتم کی درسی کتابیں:

A) شعراء وادباء کا تعارف B) سوانح حیات اوران کے ادبی کارنامے

C) اسباق D) اردو کے شعری اور نثری اصناف

III زبان شناسی: (صرف اسباق سے متعلق)

A) لفظیات

☆ واحد جمع، اضداد، ہم وزن وہم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ

B) قواعد

☆ علم ہجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصمتے، جنس، تعداد، رموز واوقاف، محاورے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اوراس کے اقسام، سابقہ ولاحقہ

Methodology 06 Marks (طریقۂ تدریس)

تحتانوی سطح پر زبان کی ترقی وتفہیم

سال اوّل: 1) زبان۔سماج۔

2) تحتانوی سطح پر زبان کی استعدادوں کی ترقی۔

3) درسی کتابیں۔علم تدریس کا فہم۔

4) منصوبۂ کمرۂ جماعت۔زبانی اکتساب۔احتساب۔

سالِ دوم: 1) زبان کی تدریس۔بچے۔

2) زبان کی استعدادوں کی ترویج۔

3) زبان کے وسائل اوراس کا استعمال۔

4) زبان کی ترقی کی کارکردگیاں۔

5) زبان کے اکتساب متوقع نتائج۔حکمت عملیاں

B.3 LANGUAGE - I HINDI (30 Marks)

CONTENT (24 MARKS)

1. अवबोध : पठित - अपठित - पद्य - गद्य
2. कवि -काव्य- रचनाकार -लेखक -रचनाएं
3. वर्णमाला: स्वर,व्यंजन,वर्ण विच्छेद,अक्षर,संयुक्ताक्षर, द्वित्वाक्षर
4. शब्द भेद,शब्द ध्वनिया, शब्द रूप, परिवर्तन के आधार पर विकारी और अविकारी शब्द
5. व्याकरण : वचन,लिंग,कारक,काल, विराम चिह्न,संधि,समास,विलोम,समानार्थी शब्द, भिन्नार्थी,मुहावरे, कहावतें,लोकोक्तियां,उपसर्ग, प्रत्यय
6. अकर्मक -सकर्मक क्रिया, वाक्य भेद,वाक्य क्रम
7. हिंदी पाठ्य पुस्तके (द्वितीय भाषा) छठवीं कक्षा से आठवीं कक्षा तक(पठन हेतु) सहित

METHODOLOGY (6 Marks)

- भाषा
- भाषा का स्वरुप, साहित्य
- भाषा अधिगम
- भाषा शिक्षण के सूत्र
- पाठ योजना
- भाषा की शिक्षा और उपकरण
- व्याकरण की शिक्षा
- हिंदी में मूल्याकण

B.4 LANGUAGE - I KANNADA (30 Marks)

Content (24 Marks)

1. ಓದುವ ತಿಳುವಳಿಕೆ :

ಎ) ಅಪರಿಚಿತ ಗದ್ಯ ಬಿ) ಅಪರಿಚಿತ ಪದ್ಯ

2. ಕನ್ನಡ ಪಠ್ಯಪುಸ್ತಕಗಳು, ಪೂರಕ ಪಾಠಗಳಲ್ಲಿನ ವಿಷಯಗಳು :

ಎ) ಕವಿ ಪರಿಚಯ ಬಿ) ಕಾವ್ಯಗಳು ಸಿ) ಹಿನ್ನೆಲೆ, ನಿದರ್ಶನಗಳು

3. ಪದಜಾಲ ಸಂಪತ್ತು :

ಎ) ಅರ್ಥಗಳು ಬಿ) ಸಮನಾರ್ಥಕ ಪದಗಳು ಸಿ) ನಾನಾರ್ಥಗಳು

ಡಿ) ತತ್ಸಮ – ತದ್ಭವಗಳು ಇ) ನುಡಿಗಟ್ಟುಗಳು ಎಫ್) ಗಾದೆಗಳು

ಜಿ) ಸಕರ್ಮಕ – ಅಕರ್ಮಕ ಪದಗಳು

4. ಭಾಷಾಂಶಗಳು :

- ಕಾಲಗಳು, ಲಿಂಗಗಳು, ವಚನಗಳು
- ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು, ಲೇಖನ ಚಿಹ್ನೆಗಳು, ಪಾರಿಭಾಷಿಕ ಪದಗಳು, ಪುರುಷಗಳು.
  (ಧ್ವನ್ಯಂಗಗಳು, ವ್ಯಂಜನಗಳು, ಸ್ವರಗಳು, ಅನುನಾಸಿಕಗಳು, ಸಂಯುಕ್ತಾಕ್ಷರಗಳು, ದ್ವಿತ್ವ ಇತ್ಯಾದಿ.)
- ಸಂಧಿಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
  ಸಂಧಿಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಪದಗಳನ್ನು ಬಿಡಿಸಿ ಬರೆಯುವುದು, ಪದಗಳನ್ನು ಸಂಧಿ ಮಾಡುವುದು.
- ಸಮಾಸಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮಾಸ ಪದಗಳಾಗಿ ಜೋಡಿಸುವುದು.
- ಛಂದಸ್ಸು – ಗುರು, ಲಘುಗಳ ಲಕ್ಷಣಗಳನ್ನು ಗುರುತಿಸುವುದು.
- ಅಲಂಕಾರಗಳು – ಪಠ್ಯಪುಸ್ತಕದಲ್ಲಿನ ಅಲಂಕಾರಗಳನ್ನು ಗುರ್ತಿಸುವುದು.
- ವಾಕ್ಯಗಳು – ವಿಧಗಳು – ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಮಿಶ್ರ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು.

Methodology (6 Marks)

ಕನ್ನಡ ಭಾಷಾ ಬೋಧನಾ ಪದ್ಧತಿಗಳು :

- **ಭಾಷೆ, ಮಾತೃಭಾಷೆ ಬೋಧನೆ ಮತ್ತು ಬೋಧಕ :** ಬೋಧನೆಯ ಉದ್ದೇಶಗಳು ಮತ್ತು ಗುರಿಗಳು.
- ಭಾಷಾ ಕೌಶಲ್ಯಗಳು – ಸಾಧಿಸಬೇಕಾದ ಸಾಮರ್ಥ್ಯಗಳು
- ಬೋಧನಾ ಪದ್ಧತಿಗಳು
- ಯೋಜನೆಗಳ ರಚನೆ – ಸಂಪನ್ಮೂಲಗಳ ಬಳಕೆ
- ಬೋಧನೋಪಕರಣಗಳ ಮಹತ್ವ – ಪಾತ್ರ
- **ಮೌಲ್ಯಮಾಪನ :** ನಿರಂತರ ಸಮಗ್ರ ಮೌಲ್ಯಮಾಪನ (ರಚನಾತ್ಮಕ ಮತ್ತು ಸಂಗ್ರಹಣಾತ್ಮಕ)

B.5 LANGUAGE - I TAMIL (30 Marks)

Content (24 Marks)

I. **புரிந்துகொள்ளுதல் - விடையளித்தல்**

அ) அறியாப் பத்தி ஆ) அறியாச் செய்யுள்

II. **3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்பு வரை தமிழ் பாடப் புத்தகத்திலுள்ள அனைத்தும்.**

அ) ஆசிரியர் குறிப்பு (3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரை)

ஆ) சிறப்பம்சங்கள் (3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரை செய்யுள்)

சொல்லாக்கம் :

3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரையுள்ள

அ) சொற்பொருள் ஆ) தொகைச்சொல் இ) பிரித்து எழுதுக

ஈ) சேர்த்துஎழுதுக உ) மரபுச் சொற்கள் ஊ) பிறமொழி சொல்லுக்கு தமிழ்ச்சொல்

எ) வழக்கு (பேச்சு, எழுத்து) ஏ) ஒரு பொருள் குறித்த பல சொற்கள்.

III. **மொழித்திறன் :**

3ஆம் வகுப்பிலிருந்து 8ஆம் வகுப்புவரையுள்ள

அ) எழுத்து (முதலெழுத்து, சார்பெழுத்து) ஆ) காலம் இ) பால் ஈ) இடம் உ) திணை ஊ) மூவகைப்போலி எ) நால்வகைச்சொற்கள் ஏ) வேற்றுமை உருபுமட்டு ஐ) புணர்ச்சி (இயல்பு, விகாரம்) ஒ) யாப்பு (அசைகளை அடையாளம் காணல்) ஓ) அணி செய்யுளில் அமைந்துள்ள அணியை அடையாளம் காண்) ஔ) தொடர்கள் (செய்வினை, உணர்ச்சி, கட்டளை, எதிர்மறை)

Methodology (06 Marks)

* **தமிழ்மொழி கற்பித்தல் முறைகள் :**

முதலாம் ஆண்டு D.Ed.

* தமிழ் மொழித்திறன் வளர்த்தல்.

* மொழியின் இயல்பும் கற்பித்தலும்.

* அடிப்படைத் திறன்கள் - பாடங்களைக் கற்பித்தல்.

* பாடம் கற்பிப்புத் திட்டம்.

இரண்டாம் ஆண்டு D.Ed.

* பாட ஏற்பாடு - சொற்களஞ்சியம் பெருக்குதல்.

* தமிழ் மொழித்திறன் வளர்த்தல்.

* தமிழ் கற்பித்தலில் தகவல் தொழில் நுட்பம்.

* தேர்வும் - மதிப்பீடும்.

Odia : 30 Marks

Content : 24 Marks

1. ଅବବୋଧ ପରୀକ୍ଷଣ :

କ) ଅପରିଚିତ ପଦ୍ୟ ଖ) ଅପରିଚିତ ଗଦ୍ୟ

2. ଓଡ଼ିଆ ସାହିତ୍ୟ :

କ) କବି/ଲେଖକ ପରିଚୟ ଖ) ବିଷୟବସ୍ତୁ ଗ) ପୃଷ୍ଠଭୂମି

3. ଶବ୍ଦ ଭଣ୍ଡାର :

କ) ଶବ୍ଦାର୍ଥ ଖ) ପ୍ରତିଶବ୍ଦ ଗ) ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ ଘ) ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ

ଙ) ସମୋଚ୍ଚାରିତ ଶବ୍ଦ ଚ) ଯୁଗ୍ମଶବ୍ଦ

4. ଭାଷା ପ୍ରକରଣ :

କ) ଭାଷା ପରିଚୟ ଖ) ଧ୍ୱନି ଓ ଲିପି, ବର୍ଣ୍ଣ ଓ ଅକ୍ଷର, ମାତ୍ରା ଓ ଫଳା ଗ) ଶବ୍ଦ ବିଭାଗ

ଘ) ପଦ ପ୍ରକରଣ – ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, କ୍ରିୟା ଓ ଅବ୍ୟୟର ସଂଜ୍ଞା ଏବଂ ପ୍ରକାର ଭେଦ

ଙ) ସନ୍ଧି – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଚ) ସମାସ – ସଂଜ୍ଞା, ସମାସର ନାମ, ସମସ୍ତ ପଦ, ବିଗ୍ରହ ବାକ୍ୟ ଓ ପ୍ରକାର ଭେଦ

ଛ) ଛନ୍ଦ – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଜ) ଅଳଙ୍କାର – ସଂଜ୍ଞା, ପ୍ରକାର ଭେଦ, ଲକ୍ଷଣ ଓ ଉଦାହରଣ

ଝ) ବାକ୍ୟ – ବାକ୍ୟର ଗଠନମୂଳକ ପ୍ରକାର ଭେଦ, ବାକ୍ୟର ବ୍ୟବହାର ମୂଳକ ପ୍ରକାର ଭେଦ,
ସଂଜ୍ଞା ଓ ସ୍ୱରୂପ

Methodology : 6 Marks

କ) ମାତୃଭାଷା ଶିକ୍ଷାଦାନ

ଖ) ଜ୍ଞାନ ପାଇଁ ପଠନ

ଗ) ଲିଖନ କୌଶଳ

ଘ) ଶିକ୍ଷଣ କାର୍ଯ୍ୟଭିତ୍ତିକ ପାଠଯୋଜନା

ଙ) ଶିକ୍ଷଣ ଉପକରଣ

ଚ) ମୂଲ୍ୟାୟନ

C. LANGUAGE – II ENGLISH (30 Marks)

Content (24 Marks)

VOCABUBLARY	LEVEL OF TESTING
Synonyms	Identification
Antonyms	Identification
Homophones	Identification
Homonyms	Identification
Spelling	Spelling
Phrasal Verbs	Identification of meaning
One Word Substitutions	Identification of meaning
Word Formation	Suffixes and Prefixes, Compound Words, Noun to Adjective
Idioms and Phrases	Identification of meaning
Anagram	Identification
GRAMMAR	**LEVEL OF TESTING**
Helping Verbs	Forms, Contractions
Modal Auxiliaries	Form, Function, Contractions & Negatives
Ordinary Verbs	Form, Function, Contractions
Articles	Use of Articles
Prepositions	Types and functions
Clauses	Main Clauses, Sub-ordinate Clause, Noun Clauses, If Clauses
Sentence Structures	Basic Sentence Structures
Language Functions	Language functions with social norms (School and domestic context)
Types of Sentences	Types of Sentences
Direct Speech & Indirect Speech	Statements, Questions, Imperatives
Tenses	Use of tenses and framing including IF conditionals Type 1 & 3
Agreement of subject with verb	Agreement of subject with verb
Word Order	Word order in a phrase and a sentence
Parts of Speech	Nouns, Pronouns, Adjectives, Adverbs, Conjunctions – Types and functions
Linkers	Types and functions
Transformation of sentences	Simple, Compound and Complex Sentences
Common Errors	Based on all Vocabulary and Grammar topics
CONVENTIONS OF WRITING	**LEVEL OF TESTING**
Punctuation and Capitalisation	Use of capital letters, full stop, question mark, comma, exclamation mark, double quotes, Apostrophe
DISCOURSES	**LEVEL OF TESTING**
Writing of discourses	Letter writing, Diary writing, Descriptions, Notice, Dialogue writing, Biographical sketch, Invitations, Email, Speech, Short poem
DICTIONARY SKILLS	**LEVEL OF TESTING**
Dictionary Skills	Alphabetical Order, Word Stress
READING COMPREHENSION	**LEVEL OF TESTING**
Prose	Prose (General)

Methodology (6Marks)

METHODOLOGY	LEVEL OF TESTING
1. Aspects of language - English language history, nature, importance, principles of English as second language and - Problems of teaching / learning English 2. Objectives of teaching English 3. Development of language skills - Listening, Speaking, Reading and Writing (LSRW) - Communicative skills and imparting values through communication. 4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching. 5. Teaching of structures, vocabulary and grammar. 6. Teaching learning materials in English 7. Lesson planning 8. Curriculum and textbooks – importance and need. 9. Evaluation in English language	Detailed and deep understanding with application in broader sense.

D. MATHEMATICS (30 Marks)

Content (24 Marks)

1. NUMBERS

Numbers - Four fundamental operations (Addition, Subtraction, Multiplication, Division) - Knowing about Numbers - Hindu-Arabic system of numeration (Indian system of numeration) - International system of numeration (British system of numeration) - Place value and Face values of a digit in a number - Comparing and Ordering of Numbers - Whole Numbers - Factors and Multiples - Prime and Composite numbers - Even and Odd numbers - Tests for Divisibility of Numbers - Common Factors and Common Multiples - Prime factorisation - Highest Common Factor (G.C.D) - Lowest Common Multiple - Integers - properties and fundamental operations - Fractions and decimals - Types of fractions - comparison - Applications of fractions in daily life - four fundamental operations on fractions and decimals - Rational Numbers - Properties of Rational Numbers - Rational Numbers between two rational numbers - Four fundamental Operations on Rational Numbers - Product of reciprocals - Squares - Square roots (Numbers and Decimals) - Properties of Square Numbers - Cubes - Cube roots of Numbers - Playing with Numbers - Games with Numbers - Letters for Digits.

2. ARITHMETIC

BODMAS rule - Ratios and Proportions (Direct, Inverse) - comparing quantities using ratios, proportion, percentage and their applications - Profit and Loss - Discount - Sales Tax/Value Added Tax/Goods and Services Tax - Simple, Compound Interest and their applications.

3. GEOMETRY

Basic geometrical concepts (Point, Line, Line segment, Ray, Curves, Polygons, Angles) - Measuring of Lines - Pairs of Lines - Elements of Angles - Measuring of Angles - Types of Angles - Naming of the given 2D figures of Triangles, Square and Rectangle - The Triangle - Types of Triangles and its Properties - Classification of Polygons - Angle sum property - Kinds of Quadrilaterals (Trapezium, Kite, Parallelogram) - Some special parallelograms (Rhombus, Rectangle, Square) - Constructing different types of Quadrilaterals - Views of 3D-Shapes - Identification of Edges, Vertices and Faces of 3D figures (Euler's Rule) - Nets for building 3D shapes.

4. DATA HANDLING

Reading and interpreting and analysing the Data (pictograph, tally marks, bar graphs, double bar graph, pie charts) - Arithmetic Mean - Mode - Median of un-grouped data - Chance and Probability.

5. ALGEBRA

Patterns - making rules - The idea of variables - formation of algebraic expressions -Terms, Factors and Coefficients - Linear equations in one variable - terms and types of algebraic expressions - finding the value of an expression - Addition, Subtraction and Multiplication of Algebraic Expressions - Multiplying a Monomial by a Monomial and polynomial - Multiplying a Polynomial by a Polynomial - Standard Identities and their applications - Applications of simple equations to practical situations - Exponents and Powers - Negative exponents - Laws of exponents - Expressing large numbers in the standard form - Factorisation - Division of Algebraic Expressions Continued (Polynomial ÷ Polynomial) - Linear Graphs.

6. MENSURATION

Measuring Length, Weight, Capacity, Time-Seasons, Calendar, Money, Area - Symmetry (Line and Rotational) - Perimeter of Triangle, Square, Rectangle, Rhombus, Trapezium,

Parallelogram, Circle and Polygon), Area of a Quadrilateral, Surface Area and Volume of Cube, Cuboid and Cylinder -Volume and capacity.

Methodology (6 Marks)

- Nature and Definitions of Mathematics
- Aims, values and instructional objectives of teaching Mathematics
- Methods of Teaching & Remedial measures in Mathematics
- Instructional Material, TLM and Resource Utilization in Mathematics
- Curriculum, Text Book & Instructional Planning
- Evaluation and Continuous Comprehensive Evaluation

E. ENVIRONMENTAL STUDIES (30 Marks)

Content (12 Marks)

E (i) SCIENCE

1. LIVING WORLD

Living and non-living things - Characteristics of living organisms

Plants -Types of plants- Herb, shrub, Tree, basing on habitat – Terrestrial, Aquatic, Desert etc, plant parts -functions

Animals – Animals around us – Oviparous, viviparous; herbivore, carnivore, omnivore; shelters of different animals, Birds – beaks, Domestic animals, Wild animals, Types of animals basing on habitat, herbivore, carnivore, omnivore, Animals sounds, Movements in animals, Different types of habitat and adaptation, Homes of animals, Nests of birds.

Human beings - Body parts, Healthy body – good habits, Sense organs and their care, concern for differently abled persons, Good touch and Bad touch, Skeletal parts – Bones, Joints, Cartilage; muscles, Safety measures – at home, school safety, Road safety, water hazards, First- aid.

Food - Food, Need of food, Sources of food – plants, animals, Types of food, Cooked and raw foods, Utensils, Mid-day meal, Methods of preparing food, Food wastage, Preservation of food, Good food habits, Our food, Components of food, Balanced diet, Junk food, Deficiency diseases

Agricultural Practices, Tools used in agriculture, Methods of agriculture, Storage of food, Food from Animals, Food for birds and animals.

Family - Role of family members, Family Tree, Types of family, Changing family structure, Family Budget, Shelter for all, Different types of houses, Home appliances, Migration – Reasons, Effects, Slums, Homeless people.

Cell – The basic unit of life, Types of cells, Cell structure and function.

Microorganisms - Introduction to microorganisms – types, Useful Microorganisms, Harmful microorganism.

Games and recreation- indoor, outdoor, local games, uses, materials used and the rules.

2. LIFE PROCESSES

Nutrition - Nutrition in plants – Autotrophic, Parasitic, saprophytic, Insectivorous, Different ways of taking food, Digestion in humans, Digestion in grass eating animals, feeding and digestion in amoeba.

Respiration - Types of respiration, Respiration in animals, Respiration in plants,

Circulation - Circulatory system in human being -Transport of substances in plants.

Excretion in animals,

Coordination- Nervous system,

Reproduction - Modes of reproduction – sexual, asexual and vegetative, Seed dispersal, Sexual and Asexual Reproduction in Animals, Adolescence and puberty – changes, role of hormones, Reproductive phase, Sex determination, Hormones other than sex hormones, Metamorphosis, Reproductive health

3. NATURAL PHENOMENA

OBJECTS AND MATERIALS

Objects around us – Properties of materials - classification of materials, Properties and uses of Metals and Non-metals, Reactivity order of metals, Methods of separation– Saturated and unsaturated solutions. Acids, bases and salts, indicators, Neutralization,Physical and chemical changes, Rusting of Iron, Galvanization, Crystallization,

MEASUREMENT OF DISTANCES – MOTION

Measurement of distances, Standard units and non-standard units of measurements, Motion and rest, Types of motion, Motion and time – speed, average speed, Uniform and non-uniform motions, Measurement of time, Time period, Units of time and speed, Measuring speed, Distance-time graph,

LIGHT

Light, shadows, and reflections, Transparent, opaque and translucent objects, pin hole camera, mirrors and reflection, Regular and Diffused Reflection, multiple images, kaleidoscope, periscope, Characteristics of images formed by mirrors, Spherical mirrors and images, Lenses and images, Sunlight – dispersion, Human Eye, Care of the Eyes, Braille System, Visually Impaired Persons

ELECTRICITY

Simple electric circuit and its components, Symbols of electric components, Electric conductors and insulators, Heating effects of electric current, CFL, LED, Fuse and MCB, Magnetic effects of electric current, Electromagnet, Electric bell, Chemical Effects Of Electric Current, Good/Poor Conducting Liquids, Electroplating.

MAGNETISM

Magnets – Discovery of magnets, Magnetic and non magnetic substances, Types of magnets, Properties of magnets, Magnetic compass, Storing of magnets.

HEAT

Heat – temperature, measuring temperature, Units of temperature, Types of Thermometers, Transfer of heat – conduction, convection, radiation.

FORCE, FRICTION AND PRESSURE

Force – push or pull, Exploring forces, net force, Effect of force on objects, Contact and non contact forces, Pressure, Fluid pressure, Atmospheric pressure, Friction, Factors effecting friction, Friction: A necessary evil, Increasing and reducing friction, Types of friction.

COMBUSTION AND FUELS

Exhaustible and inexhaustible resources, Fuels – Types, Coal, Uses of Coal and Coal products, Refining of petroleum, Petrochemical products in various sectors, Various Constituents of Petroleum and their Uses, Formation of coal and petroleum, Natural Gas, Misuse of Energy resources and Consequences. Combustion, Types of Combustion, Ignition temperature, Inflammable substances, Flame, Fuel Efficiency, Burning of Fuels Leads to Harmful Products, Fire control, Structure of flame – colour zones – Intensities.

FIBRES

Natural and Synthetic fibres, Preparation and uses, Types and Characteristics of Synthetic Fibres, Our dress our culture, Kinds of cloths we wear in winter and summer, Plastics as Materials of Choice, Types of plastics, Plastics and environment, Biodegradable – Non biodegradable materials.

SOUND

Sound - a form of energy, Production of sound, Some musical instruments, Propagation of sound, Human ear, Hearing Impairment, Noise and Music, Types of waves (longitudinal and transverse), Characteristics of sound waves (Wavelength, Frequency, Time period, Speed of the wave), Pitch, Loudness and Quality, Audible and Inaudible sounds, Noise pollution.

SOME NATURAL PHENOMENA

The Story of Lightning, Charging by Rubbing, Electric charge and properties of electric charge, Types of charges and their interactions, Transfer of charge, lightning, lightning safety, lightning conductors, Earthquake, Tsunami, Causes and effects, Protective measures.

OUR UNIVERSE

The Moon, The Moon's Surface, Phases of Moon, Eclipses (Solar and lunar eclipses), The Stars, Movement of Stars (Constellation, pole star), Movement of the Sun, Solar System, Planets and Some Other Members of the Solar System, Artificial Satellites.

4. TRANSPORTATION AND COMMUNICATION

Transportation - Story of transport – Objects- signs and signboards used for transport- Places associated with transport- Modesof travel in the present and in the past- Methods of transport in different topographical conditions (Transport in hilly areas, Forest, Deserts, Snowy areas, Rivers & Canals)- Need foran international transport -Import and export of the goods- different means of transport of goods- Importance of tourism and seven wonders of the world.

Communication - Means and objects of Communication- Types of Communication both in Human andAnimals (different feelings and gestures) Modern forms of communication- Communication used in the past and present- Advantage of Mass Communication- Communication through Postcard, Cell Phone, E-Mail, News Paper, Radio, TV, and Social Media etc.,

How communication and transport brings the entire world together.

5. PROFESSIONS AND SERVICES

House hold materials with reference to profession (farmer, cobbler, tailor etc)-Different professions andtheir need to the society- villager/farmer (seeds/manure/ agri methods etc.,) , helping agents (bank, e- seva,PHC, panchayat office, post office/etc.,) Governance and Services - Local Self Govt, State, Central Govt, Judiciary.

6. OUR ENVIRONMENT

Climate – Climate change, Weather- Climate- rain- floods- Cyclones- disaster management,

Global environmental issues – Green house effect, Global warming, Acid rains. Ecofriendly activities, Say no to plastic.

Air - Presence of air, Components of air, Properties of air, Availability of oxygen to animals and plants, Replacement of oxygen in the atmosphere, uses of air, Nitrogen cycle, Air pollution -causes, effects and prevention.

Water - Forms of water, Uses of water, source, scarcity, protected water, wastage of water, Water resources, Tank pollution, safe drinking water, tank management, journey of rain drop – Water cycle, water magic, water properties, Water resources, major rivers in AP, fisherman, water transport, tragedy of rivers, drought and floods, water pollutions - Causes, effects and prevention. Sewage, Treatment of polluted water, Better house keeping practices, Sanitation and Disease, Alternative arrangement for sewage disposal.

Biodiversity - Forests, Flora, fauna, interrelation of organisms, Green world, Advantages of forests,

Deforestation - effects, Chipko movement, Conservation of forest and wildlife – Protecting areas, endangered and endemic species.

Methodology (3 Marks)

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

E (ii) SOCIAL STUDIES

Content (12Marks)

1. OUR UNIVERSE

- The shape of the Earth, The Universe- Origin, solar System, Our Earth in the Solar System – Celestial bodies, Constellations, Realms of the Earth- Latitudes and Longitudes -Movements of Earth – Solar System- Globe-Model of Earth – Axis of Earth, Equinox – Eclipses.
- Maps – Directions, Scale, Symbols, Patterns, Types, Where are We - Village, Mandal, District, country maps.
- The Earth- Environment – Components, Interior of the Earth, Atmosphere, Biosphere, Pollution, Disasters.
- Land Forms – Major Land Forms in AP, Podu cultivation, Diversity in Lifestyles.
- Forests-Climatic Regions - Types of Forests, Forests in AP, Uses- Deforestation, Conservation of Forests.
- Land, Soil, Water, Natural Vegetation and Wildlife Resources.

2. PRODUCTION EXCHANGE AND LIVELIHOODS

- Migration of people- Reasons for migration, effects of migration, Slums, Family Budget, Profession and services- Farmer, Tailor.
- Resources – Types, Conservation, Mineral and Power Resources – Types of Minerals, Distribution, Conservation Power Resources: Conventional, Non-Conventional.
- Human Resources- Distribution of Population, Density of Population, Population Change, population composition.
- Agriculture – Types of farming, Major crops; industries- Classification and Distribution.
- Weavers, Iron Smelters, factory owners, Indian Textile and the world market-The sword of Tipu Sultan and Wootz steel, Public facilities, Water as a part of fundamental Right to Life- Govt. Role.
- Markets Around Us- Types of Markets- Consumer Protection.
- Transport system, International Transport, Exports and Imports, Global Village, Road ways, My bicycle, Vehicles other than Transport, Transport in Hill areas, Forests, deserts, snowy areas, rivers and canals, Road Safety, Traffic symbols, Road safety measures, pedestrian safety, safe cycling, safety travelling.

3. POLITICAL SYSTEMS AND GOVERNANCE

- Early Life to Settled life- Early people, Nomadic life, Belum caves, Rock paintings, Growing plants, Rearing animals, Towards a settled life, Emergence of Kingdoms and Republics, Mahajanapadas, Magadha, Vaggi Kingdoms and Empires- Mauryan, Guptas, Satavahanas, Pallava, Chalukya Dynasties.
- Delhi Sultanate, Kakatiyas, Vijayanagara Empire, Mughals, Contemporary Kingdoms.
- Governments – Types, Monarchy, Democracy, Different levels, Local and Self Government, State and Central Governments; Why do we need a Parliament?, The role of the Parliament, Who are the people in the parliament?; State Government – Legislature, Executive, Judiciary-Role, Independent Judiciary, Structure of Courts in India, Different Branches of the legal system- Understanding our Criminal Justice System – the role of police and Public Prosecutor, Judge, Fair Trail- Law and Social Justice – Bhopal gas Tragedy, Enforcement of Safety Laws, New laws to protect the Environment.
- The Indian Constitution, key features – Fundamental Rights – Fundamental Duties; Understanding Secularism, Understanding Laws.
- - Civilizing the “Native” Educating the nation- How the British saw Education? – What happened to the local schools?- the agenda for a National Education, How Important are Dates, How do we periodise, What is Colonial?,- From Trade to Territory-The Company establishes Power, East India Company, Battle of Plassey, Tippu Sultan, The Doctrine of Lapse,

Setting up a new administration – Ruling the countryside – Diwani system, Munro system, Demand for Indian Indigo, The Blue Rebellion and after – Tribals, Dikus and the vision of Golden age-How did Tribal groups live?, How did colonial rule effect Tribal lives?, Forest Laws and their impact- Birsa Munda.

- Indian Freedom struggle, When people Rebel 1857 and after- Policies and the people, Through the Eyes of the people, A Mutiny becomes a popular Rebellion, the company fights back, The making of the National Movement: 1870's to 1947- The emergence of nationalism, The growth of mass nationalism, The March to Dandi, Quit India and Later – India after Independence- A new and divided nation, A Constitution is written, How were states to be formed – Planning for development, A Nation sixty years on

4. SOCIAL ORGANISATION AND INEQUITIES

- Towards Equality- Diversity, Discrimination, prejudice, stereo type, Types of Discrimination – Inequality, Steps towards equality – Constitutional provisions, Remedial measures for abolishing inequality, Will Discrimination and inequalities stop people from achieving their goal.
- Women Change the World, Women's movement, Inspirational Women- Women, Caste and Reforms- Working towards change: Changing the lives of Widows, Girls begin going to School, Women write about women, Caste and social reform: Gulamgiri who could enter, The Non Brahman Movement.
- Understanding Marginalisation – Adivasis and Development, Minorities and Marginalisation- Confronting Marginalisation- Invoking Fundamental Rights-Laws for the Marginalised, Protecting the rights of the Dalits and Adivasis, Adivasis Demands and the 1989 Act.

5. RELIGION AND SOCIETY

- Religions – Hinduism, Jainism, Buddhism, Islam and Sikhism, Unity in Diversity; Bhakthi and Sufi Movements

6. CULTURE AND COMMUNICATION

- Together with everyone – communication, Postal services, mobiles, E-mail, Mass communication, Newspaper, Radio, TV, Social Media.
- Let us Visit-Historical and Tourist places in AP; Early Civilisations- Indus Valley civilisation, vedic period, vedic literature; Indian Culture, Languages.

Methodology (3 Marks)

- Nature and Scope of Social Studies
- Aims, Objectives and Values of Teaching Social Studies
- Methods of Teaching Social Studies
- Resource Utilization, Content Enrichment material
- Curriculum, Text Book and Instructional Planning
- Evaluation and Continuous Comprehensive Evaluation

Teacher Eligibility Test – 2024

PAPER – II(A)

Structure and Content

A	Child Development and Pedagogy	30 MCQs	30 Marks
B	Language I (Telugu/Urdu/Hindi/Kannada/Tamil/ Odia/Sanskrit)	30 MCQs	30 Marks
C	Language II (English)	30 MCQs	30 Marks
D	1. Mathematics and Science (or) 2. Social Studies (or) 3. Language I (Telugu/English/Urdu/Hindi/Kannada/Tamil/ Odia/Sanskrit)	60 MCQs	30 Marks
	Total	**150 MCQs**	**150 Marks**

A. CHILD DEVELOPMENT AND PEDAGOGY (30 Marks)

1. DEVELOPMENT, GROWTH & MATURATION —

- Concept & Nature, Differences between Growth and Development
- Principles of development and their educational 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 Child hood, adolescence.
- Understanding Development — Piaget, Kohlberg, Chomsky, Carl Rogers, Erikson
- Theory of emotional Intelligence – Danial Goleman
- Individual differences — Concept, Types of individual differences (intra & inter) Factors of individualdifferences (heredity & environment).
- Factors influencing individual differences in the areas of Attitudes, Aptitude, interest, Habit, intelligence,creativity, Values, level of aspiration, self concept, achievement, Learning styles.

A) Intelligence: Concept and meaning of intelligence, Definitions, Types of intelligence, Theories ofIntelligence, Measurement of intelligence, IQ, Classification of IQ, Types of Intelligence tests and Uses.

B) Aptitude: Concept and meaning of aptitude, Definitions, Characteristics of aptitude. Types of aptitude,Measurement of aptitude, Uses of aptitude test.

C) Interest: Concept and meaning of interest, Definitions, Characteristics of interest Measurement ofinterests. How to develop interest among students – role of teacher.

D) Attitude: Concept and meaning of attitude, Definitions, Characteristics of attitude, Types of attitude Measurement of attitudes. How to develop positive attitudes among children-role of teacher. Learning Styles: Meaning Types and assessment of learning styles.

E) Creativity: Meaning of creativity, concept and definitions, Characteristics and stages of creativity, Assessment of Creativity, Fostering Creativity among children - Role of Teacher.

F) Thinking: Concept, Meaning, Definition, types of thinking, characteristics of thinking, factors of thinking, classroom implication.

G) Reasoning: Concept, Meaning, Definition, Characteristics, Reasoning process, types of reasoning classroom implication.

- Development of Personality - Meaning and concept of personality, definitions, characteristics, elements andfactors of personality, theories of personality, assessment of personality (Projective and Non Projective)
- Theories of personality – Type theory, Trait Theory, Psycho Analytic
- Mental health, adjustment & behavioral problems, conflicts, frustration, tension, anxiety, maladjustment, defense mechanisms.
- Conflicts - Types
- Methods and Approaches of Child Development — Introspection, Observation, Interview, Case study,Experimental, Cross sectional and Longitudinal Developmental tasks and Hazards

2. UNDERSTANDING LEARNING

- Learning – Meaning, Concept, Definitions, Characteristics of Learning, Types of Learning, determinants of learning, Readiness, Maturity, needs and Motivation, Learning curves.
- Factors of Learning — Personal and Environmental
- Dimensions of Learning — Cognitive, Affective and Psycho - Motor.
- Motivation — its role in learning, Maslov's theory of hierarchy of needs
- **Concept:** meaning, Definition, Formation of concept, Classification of concepts, Types of concepts, Development of concepts, Role of teacher in conceptual development.
- **Perception:** Concept, Meaning, Definitions, process of perception, Characteristics, Laws of perceptualorganization, factors influencing perception.
- Memory & Forgetting
- Transfer of Learning – meaning, types and theories of transfer of learning
- Approaches to Learning and their applicability (Theories).
  i. Behaviorism (Skinner, Pavlov, Thorndike)
  ii. Gestalt (Kohler, Koffka)
  iii. Observational (Bandura),
  iv. Constructivism (Piaget, Vygotsky),
  v. Bruner's theory of instruction, Experiential 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 Grouplearning
- Issues and concerns with respect to organizing learning in class room like Study habits, Self learning andLearning to learn skills.
- Organizing learning in heterogeneous class room groups — Socio-economic background,
- Abilities and Interests.
- Paradigms of organizing Learning-Teacher centric, Subject centric and Learner centric.
- 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 non-threateninglearning environment, Managing behaviour problems, Guidance & Counselling, Punishment and its legalimplications, Rights of a child, Time Management.
- Distinction betweenAssessment for Learning &Assessment of Learning.

ICT – A

- The Concept of ICT, Tools
- Computer Hardware, Internet, Text Documents, Spread Sheets, Presentations.
- Open Education Resources, Handheld devices, Netiquettes (Etiquette in the use of Internet)
- ICT– National and State Policies
- ICT based learning process –Creation of learning Environment, Educational games.

ICT – B

- Exploring for ICT resource (Hardware, Software) evaluate and adoption of ICT resources.
- Pedagogy – Analysis: integrating with ICT and teaching
- Cyber law and protection free software's
- Integrating ICT in Assessment of port folios, rubrics and data management.
- Preparation of multimedia lessons in subjects and planning
- Activities to be conducted in multimedia lessons, the role of the teacher before, during and after multimedia lessons, social media and their role in learning.
- Online learning courses for teacher's professional development
- Open education resources, ICT platforms and MOOC.
- Assessment, Continuous Comprehensive Evaluation: Perspective & Practice.
- Understanding teaching & learning in the context of NCF, 2005 & Right to Education Act, 2009.
- NEP – 2020 – Introduction, ECCE, Teacher Education.
- New Policies and Programmes implemented by A.P., Government.

B.1 LANGUAGE - I TELUGU (30 Marks)

1) పఠనావగాహన :

ఎ)అపరిచిత పద్యం / అపరిచిత గద్యం

2) 6 వ తరగతి నుండి 10 వ తరగతి వరకూ తెలుగు వాచకాలు :

ఎ)ప్రక్రియలు – లక్షణాలు బి)కవులు – రచయతల పరిచయం

సి)విశేషాంశాలు డి)ఇతివృత్తాలు

ఇ)నేపథ్యాలు ఎఫ్)ఉద్దేశాలు

3) పదజాలం : - (1 నుండి 10వ తరగతి స్థాయి వరకు)

ఎ) అర్థాలు బి) పర్యాయపదాలు సి) నానార్థాలు డి) వ్యుత్పత్త్యర్థాలు

ఇ) ప్రకృతి – వికృతులు ఎఫ్) జాతీయాలు జి) సామెతలు హెచ్) పొదుపు కథలు

ఐ) మాండలిక పదాలు

4) భాషాంశాలు

ఎ) వ్యాకరణ పారిభాషిక పదాలు

(తత్సమం, తద్భవం, ఆగమం, ఆదేశం, నిత్యం, వికల్పం, బహుళం, ద్రుత ప్రకృతికం, ప్రాతిపదిక, ప్రత్యయం, భాషాభాగాలు, విభక్తులు మొదలగునవి.)

బి) సంధులు – నిర్వచనాలు

సంస్కృత - సవర్ణదీర్ఘ, గుణ, వృద్ధి, యణాదేశ సంధులు మాత్రమే

తెలుగు - అత్వ, ఇత్వ, ఉత్వ, యడాగమ, ఆమ్రేడిత, ద్విరుక్తటకార, దృతప్రకృతిక/సరళాదేశ, గసడదవాదేశ సంధులు మాత్రమే

సి) సమాసాలు – నిర్వచనాలు

ద్వంద్వ, ద్విగు, తత్పురుష, కర్మధారయ, బహుబ్రీహి, అవ్యయీభావ సమాసాలు

డి) ఛందస్సు - వృత్తములు

ఉత్పలమాల, చంపకమాల, శార్దూలం, మత్తేభం

ఇ) అలంకారాలు

శబ్దాలంకారాలు(వృత్త్యనుప్రాస, చేకానుప్రాస, లాటాను ప్రాస, అంత్యానుప్రాస, యమకము, ముక్తపదగ్రస్తము)

అర్థాలంకారాలు (ఉపమా, రూపక, ఉత్ప్రేక్ష, అతిశయోక్తి)

ఎఫ్) క్రియలు రకాలు - క్త్వార్థం, చేదర్థకం మొదలగునవి.

జి) వాక్యాలు భేదాలు

(సామాన్య, సంయుక్త, సంశ్లిష్ట, ఆశ్చర్యార్థక, ప్రశ్నార్థక, కర్తరి, కర్మణి, వ్యతిరేకార్థక వాక్యాలు, ప్రత్యక్ష పరోక్ష కథనాలు మొదలగునవి.)

B.2 LANGUAGE - I URDU (30 Marks)

I مطالعہ کا فہم: A) ان دیکھا نثر

B) ان دیکھی نظم

II چھٹی جماعت تا دسویں جماعت کی درسی کتابیں

A) اصناف اور ان کی خصوصیات

B) شعراء و ادباء کا تعارف

C) سوانح حیات اور ادبی کارنامے

III زبان شناسی (صرف کتاب میں موجود مواد)

A) لفظیات

☆ واحد جمع، اضداد، ہم وزن و ہم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ

B) قواعد

☆ علم ہجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصمتے، جنس، تعداد رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اور اس کے اقسام سابقہ و لاحقہ

B.3 LANGUAGE - I HINDI (30 Marks)

1. अवबोध : पठित - अपठित - पद्य - गद्य
2. कवि -काव्य- रचनाकार -लेखक -रचनाएं
3. वर्णमाला: स्वर,व्यंजन,वर्ण विच्छेद,अक्षर,संयुक्ताक्षर, द्वित्वाक्षर
4. शब्द भेद,शब्द ध्वनिया, शब्द रूप, परिवर्तन के आधार पर विकारी और अविकारी शब्द
5. व्याकरण : वचन,लिंग,कारक,काल, विराम चिह्न,संधि,समास,विलोम,समानार्थी शब्द, भिन्नार्थी,मुहावरे, कहावतें,लोकोक्तियां,उपसर्ग, प्रत्यय
6. अकर्मक -सकर्मक क्रिया, वाक्य भेद,वाक्य क्रम
7. हिंदी पाठ्य पुस्तके (द्वितीय भाषा) छठवीं कक्षा से आठवीं कक्षा तक(पठन हेतु) सहित

B.4 LANGUAGE - I KANNADA (30 Marks)

1. ಓದುವ ತಿಳುವಳಿಕೆ :

ಎ) ಅಪರಿಚಿತ ಪದ್ಯ ಬಿ) ಅಪರಿಚಿತ ಗದ್ಯ

2. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿ ಕನ್ನಡ ಪಠ್ಯ ಪುಸ್ತಕ, ಪೂರಕ ಪಾಠಗಳಲ್ಲಿನ ವಿಷಯಗಳು :

ಕವಿ – ಕಾವ್ಯಗಳು, ಲೇಖಕರು – ಕೃತಿಗಳ ಪರಿಚಯ

3. ಪದಜಾಲ ಸಂಪತ್ತು :

ಎ) ಅರ್ಥಗಳು ಬಿ) ಸಮನಾರ್ಥಕ ಪದಗಳು ಸಿ) ನಾನಾರ್ಥಗಳು

ಡಿ) ತತ್ಸಮ – ತದ್ಭವಗಳು ಇ) ನುಡಿಗಟ್ಟುಗಳು ಎಫ್) ಗಾದೆಗಳು

ಜಿ) ಸಕರ್ಮಕ – ಅಕರ್ಮಕ ಪದಗಳು ಎಚ್) ವ್ಯುತ್ಪತ್ತಿ ಅರ್ಥಗಳು

ಐ) ಲೋಕೋಕ್ತಿಗಳ

4. ಭಾಷಾಂಶಗಳು :

- ವ್ಯಾಕರಣ ಪಾರಿಭಾಷಿಕ ಪದಗಳು (ತತ್ಸಮ, ತದ್ಭವ, ದೇಶ್ಯ, ಅನ್ಯದೇಶ್ಯ, ಗ್ರಾಮ್ಯ ಪದಗಳು,ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು)
- ಸಂಧಿಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
  ಸಂಧಿಗಳು ಗುರುತಿಸುವಿಕೆ, ಸೂತ್ರಗಳ ಅನ್ವಯ
- ಸಮಾಸಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮಾಸ ಪದಗಳಾಗಿ ಜೋಡಿಸುವುದು, ಸೂತ್ರಗಳ ಅನ್ವಯ.
- ಛಂದಸ್ಸು – ವಿಧಗಳು, ಮಾತ್ರಾಗಣ, ಅಕ್ಷರಗಣ ಮತ್ತು ವೃತ್ತಗಳು.
- ಅಲಂಕಾರಗಳು – ಶಬ್ದಾಲಂಕಾರ ಮತ್ತು ವಿಧಗಳು, ಅರ್ಥಾಲಂಕಾರ (ಉಪಮ, ರೂಪಕ, ದೃಷ್ಟಾಂತ, ಉತ್ಪ್ರೇಕ್ಷ, ಅತಿಶಯೋಕ್ತಿ ಅಲಂಕಾರಗಳು)
- ಕ್ರಿಯಾಪದ – (ನಕಾರಾತ್ಮಕ, ನಿಷೇಧಾರ್ಥಕ, ಅಕರ್ಮಕ, ಸಕರ್ಮಕ ಕ್ರಿಯಾಪದಗಳು)
- ವಾಕ್ಯಗಳು – ವಿಧಗಳು (ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಮಿಶ್ರ, ಆಶ್ಚರ್ಯ, ಪ್ರಶ್ನಾರ್ಥಕ, ವಿರುದ್ಧಾರ್ಥಕ, ನಕಾರಾತ್ಮಕ, ನಿಷೇಧಾತ್ಮಕ, ಕರ್ತರಿ, ಕರ್ಮಣಿ, ಭಾವಸೂಚಕ, ವಿದ್ಯರ್ಥಕ, ಪ್ರತ್ಯಕ್ಷ, ಪರೋಕ್ಷ ವಾಕ್ಯಗಳು)

B.5 LANGUAGE - I TAMIL (30 Marks)

I. **புரிந்துகொள்ளுதல் – விடையளித்தல்**

அ) அறியாச் செய்யுள் ஆ) அறியாப் பத்தி

II. **6 ஆம் வகுப்பிலிருந்து 10 ஆம் வகுப்புவரை தமிழ் பாடப்புத்தகத்திலுள்ள அனைத்தும்.**

அ) முறைகள் – பண்புகள் ஆ) கவிஞர், புலவர் ஆசிரியர் குறிப்பு

இ) சிறப்பு அம்சங்கள்

III. **சொல்லாக்கம் :**

அ) சொற்பொருள் ஆ) ஒருசொல் பலபொருள் இ) ஒருபொருள் பலசொல்

ஈ) இருபொருள் உ) சேர்த்து எழுதுக ஊ) பிரித்து எழுதுக

எ) நிறுத்தற்குறிகள் ஏ) வழக்கு ஐ) வழு ஒ) மரபுத்தொடர்

ஓ) பிறமொழி சொல்லுக்கு தமிழ்ச்சொல்

B.6 LANGUAGE - I ODIA (30 Marks)

1. ଅବବୋଧ ପରୀକ୍ଷଣ :

କ) ଅପରିଚିତ ପଦ୍ୟ ଖ) ଅପରିଚିତ ଗଦ୍ୟ

2. ଷଷ୍ଠ ଶ୍ରେଣୀ ଠାରୁ ଦଶମ ଶ୍ରେଣୀ ପର୍ଯ୍ୟନ୍ତ ଓଡ଼ିଆ ସାହିତ୍ୟ :

କ) କବି/ଲେଖକ ପରିଚୟ ଖ) ବିଷୟବସ୍ତୁ ଗ) ପୃଷ୍ଠଭୂମି

3. ଶବ୍ଦ ଭଣ୍ଡାର : (ପ୍ରଥମ ଶ୍ରେଣୀ ଠାରୁ ଦଶମ ଶ୍ରେଣୀ ପାଠ୍ୟ ଭିତ୍ତିକ)

କ) ଶବ୍ଦାର୍ଥ ଖ) ପ୍ରତିଶବ୍ଦ ଗ) ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ ଘ) ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ

ଙ) ସମୋଚ୍ଚାରିତ ଶବ୍ଦ ଚ) ଶୁଦ୍ଧଶବ୍ଦ

4. ଭାଷା ପ୍ରକରଣ :

କ) ଶବ୍ଦର ପ୍ରକାର ଭେଦ (ତତ୍‌ସମ, ତଦ୍‌ଭବ, ଦେଶଜ ଓ ବୈଦେଶିକ)

ଖ) ପଦ ପ୍ରକରଣ – ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, କ୍ରିୟା ଓ ଅବ୍ୟୟର ସଂଜ୍ଞା ଏବଂ ପ୍ରକାର ଭେଦ

ଗ) ସନ୍ଧି – ସଂଜ୍ଞା, ସ୍ୱର ସନ୍ଧି, ବ୍ୟଞ୍ଜନ ସନ୍ଧି, ବିସର୍ଗ ସନ୍ଧି

ଘ) ସମାସ – ସଂଜ୍ଞା, ତତ୍‌ପୁରୁଷ, କର୍ମଧାରାୟ, ଦ୍ୱିଗୁ, ଦ୍ୱନ୍ଦ୍ୱ, ବହୁବ୍ରୀହି ଓ ଅବ୍ୟୟୀଭାବ

ଙ) ଛନ୍ଦ – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଚ) ଅଳଙ୍କାର – ଶବ୍ଦାଳଙ୍କାର ଓ ଅର୍ଥାଳଙ୍କାର

ଛ) ବାକ୍ୟ – ବାକ୍ୟର ପ୍ରକାର ଭେଦ, (ସରଳ, ଯୌଗିକ, ଜଟିଳ, ପ୍ରଶ୍ନ ସୂଚକ, ବିସ୍ମୟ ସୂଚକ, ନାସ୍ତି ସୂଚକ, କର୍ତ୍ତୃବାଚ୍ୟ, କର୍ମବାଚ୍ୟ, ପ୍ରତ୍ୟକ୍ଷ ଉକ୍ତି ଓ ପରୋକ୍ଷ ଉକ୍ତି)

B.7 LANGUAGE - I SANSKRIT (30 Marks)

1. **पठनावगमनम्**: परिचितशलोकः - प्रश्नाः
   परिचितगघम् - प्रश्नाः
2. कवयः - काव्यम् - रचयितारः - रचनाः ।
3. **पाठ्यप्रक्रियाः** पद्य - गद्य - चम्पू - दण्डक - शतक - आत्मकथा - इत्यादयः
4. **पाठ्यांशाधारितप्रश्नाः**
5. **भाषांशाः** समानार्थक
   विरुद्धार्थक
   सन्धि
   समास
   छन्दः
   अलङ्कारः
   विभक्ति

C. LANGUAGE – II ENGLISH (30 Marks)

VOCABUBLARY	LEVEL OF TESTING
Synonyms	Identification
Antonyms	Identification
Homophones	Identification
Homonyms	Identification
Spelling	Spelling
Phrasal Verbs	Identification of meaning
One Word Substitutions	Identification of meaning
Word Formation	Suffixes and Prefixes, Compound Words, Noun to Adjective
Idioms and Phrases	Identification of meaning
Anagram	Identification
GRAMMAR	**LEVEL OF TESTING**
Helping Verbs	Forms, Contractions
Modal Auxiliaries	Form, Function, Contractions & Negatives
Ordinary Verbs	Form, Function, Contractions
Articles	Use of Articles
Prepositions	Types and functions
Clauses	Main Clauses, Sub-ordinate Clause, Noun Clauses, If Clauses
Sentence Structures	Basic Sentence Structures
Language Functions	Language functions with social norms (School and domestic context)
Types of Sentences	Types of Sentences
Direct Speech & Indirect Speech	Statements, Questions, Imperatives
Active and Passive Voice	Transformation
Tenses	Use of tenses and framing including IF conditionals Type 1 & 3
Agreement of subject with verb	Agreement of subject with verb
Word Order	Word order in a phrase and a sentence
Parts of Speech	Nouns, Pronouns, Adjectives, Adverbs, Conjunctions – Types and functions
Linkers	Types and functions
Transformation of sentences	Simple, Compound and Complex Sentences
Common Errors	Based on all Vocabulary and Grammar topics
CONVENTIONS OF WRITING	**LEVEL OF TESTING**
Punctuation and Capitalisation	Use of capital letters, full stop, question mark, comma, exclamation mark, double quotes, Apostrophe
DISCOURSES	**LEVEL OF TESTING**
Writing of discourses	Letter writing, Diary writing, Descriptions, Notice, Dialogue writing, Biographical sketch, Invitations, Email, Speech, Short poem, Report writing, Story writing
DICTIONARY SKILLS	**LEVEL OF TESTING**
Dictionary Skills	Alphabetical Order, Word Stress
READING COMPREHENSION	**LEVEL OF TESTING**
Prose	Prose (General)

D.1 MATHEMATICS AND SCIENCE (60 Marks)

D. 1.1 MATHEMATICS (30 Marks)

Content (24 Marks)

1. NUMBER SYSTEM

Numbers - Four fundamental operations (Addition, Subtraction, Multiplication, Division) - Knowing about Numbers - Hindu-Arabic system of numeration (Indian system of numeration) - International system of numeration (British system of numeration) - Place value and Face values of a digit in a number - Comparing and Ordering of Numbers - Whole Numbers - Factors and Multiples - Prime and Composite numbers - Even and Odd numbers - Tests for Divisibility of Numbers - Common Factors and Common Multiples - Prime factorisation - Highest Common Factor (G.C.D) - Lowest Common Multiple - Integers - properties and fundamental operations - Fractions and decimals - Types of fractions - comparison - Applications of fractions in daily life - four fundamental operations on fractions and decimals - Euclid's Division Lemma and its application - Rational Numbers - Properties of Rational Numbers - Representation of Rational Numbers on the Number line - Rational Numbers between two rational numbers - Four fundamental Operations on Rational Numbers – Rational numbers and their decimal expansions - Non-terminating, recurring decimals in rational numbers - Product of reciprocals - Squares - Square roots (Numbers and Decimals) - Properties of Square Numbers - Cubes - Cube roots of Numbers - Playing with Numbers - Games with Numbers - Letters for Digits - Irrational numbers - Real Numbers and their Decimal Expansions - Operations on Real Numbers - Laws of Exponents for Real Numbers – Properties & Laws of logarithms.

Sets and their representation (Roster form and Set builder form) – Classification of sets (Empty, Universal, subset, Finite & Infinite, disjoint sets) - difference of sets - Equal sets - Using diagrams to represent sets - Venn diagrams and cardinality of sets - Basic operations on sets (Union, Intersection).

2. ARITHMETIC

BODMAS rule - Ratios and Proportions (Direct, Inverse) - comparing quantities using ratios, proportion, percentage and their applications - Profit and Loss - Discount - Sales Tax/Value Added Tax/Goods and Services Tax - Simple, Compound Interest and their applications.

3. GEOMETRY

Basic geometrical concepts (Point, Line, Line segment, Ray, Curves, Polygons, Angles) - Measuring of Lines - Pairs of Lines - Intersecting Lines and Non-intersecting Lines – Lines parallel to the same line - Elements of Angles - Measuring of Angles - Types of Angles – Pairs of Angles - Naming of the given 2D figures of Triangles, Square and Rectangle - The Triangle - Types of Triangles and its Properties – Congruence and some properties of Triangles - Some more criteria for Congruence of Triangles – Criteria for similarity of triangles – Areas of similar triangles – Pythagoras theorem - Classification of Polygons - Angle sum property - Kinds of Quadrilaterals (Trapezium, Kite, Parallelogram) - Some special parallelograms (Rhombus, Rectangle, Square) - Constructing different types of Quadrilaterals - Views of 3D-Shapes - Identification of Edges, Vertices and Faces of 3D figures (Euler's Rule) - Nets for building 3D shapes – Introduction to Euclid's geometry – Euclid's definitions, axioms and postulates - Angle Subtended by a Chord at a Point - 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 of a circle – Number of Tangent to a Circle from any point – Segment of a circle formed by a Secant.

4. STATISTICS

Reading and interpreting and analysing the Data (pictograph, tally marks, bar graphs, double bar graph, pie charts) - Graphical Representation of Data (Bar graphs, Histogram, Frequency polygons) – Measures of Central tendency - Arithmetic Mean - Mode - Median of un-grouped, grouped data – Graphical representation of cumulative frequency distribution – Ogive curves.

5. ALGEBRA

Patterns - making rules - The idea of variables - formation of algebraic expressions -Terms, Factors and Coefficients - Linear equations in one variable – Linear equations in two variables - Solutions of Pair of Linear Equations in Two Variables – Algebraic methods of finding the solutions for a pair of linear equations -Equations reducible to a pair of linear equations in two variables -Solution of a quadratic equation by factorisation & by completing the square – Nature of roots - terms and types of algebraic expressions - finding the value of an expression - Addition, Subtraction and Multiplication of Algebraic Expressions - Multiplying a Monomial by a Monomial and polynomial - Multiplying a Polynomial by a Polynomial - Standard Identities and their applications - Applications of simple equations to practical situations - Exponents and Powers - Negative exponents - Laws of exponents - Expressing large numbers in the standard form - Factorisation - Division of Algebraic Expressions Continued (Polynomial ÷ Polynomial) - Linear Graphs – Polynomials in one variable – Degree, Value, zeroes of a polynomial - Geometrical meaning of the Zeroes of a Polynomial - Graphical representation of linear, Quadratic and Cubic Polynomials - Factorisation of Polynomials - Algebraic Identities - Working with Polynomials – Division algorithm for polynomials - Arithmetic progressions – Parameters of Arithmetic progressions – n^{th} term of an Arithmetic progression – Sum of first n terms in Arithmetic progression – Geometric progressions – n^{th} term of a GP.

6. MENSURATION

Measuring Length, Weight, Capacity, Time-Seasons, Calendar, Money, Area - Symmetry (Line and Rotational) - Perimeter of Triangle, Square, Rectangle, Rhombus, Trapezium, Parallelogram, Circle and Polygon, Properties of a Parallelogram - The Mid-point Theorem - Area of a Quadrilateral, Surface Area and Volume of Cube, Cuboid and Cylinder -Volume and capacity - Surface Area and volume of a Sphere - Volume of a Right Circular Cone – Surface area of the combination of Solids – Volume of combination of solids – Conversion of solid from one shape to another -

7. PROBABILITY

Probability - Linking chances to probability - Chance and probability related to real life - Probability - a theoretical approach - Mutually exclusive events - Finding probability - Complementary events and probability - Impossible and certain events - Deck of Cards and Probability – Use and Applications of probability.

8. CO-ORDINATE GEOMETRY

Cartesian System – Distance between two points – distance between two points on a line parallel to the co-ordinate axis – Distance between any two points on a line in the x-y plane – Section formula – centroid of a triangle – Tri-sectional points of a line – Area of the triangle – Heron's formula- Collinearity – Straight lines – Slope of the straight line – slope of a line joining two points.

9. TRIGONOMETRY

Trigonometry – Naming the sides in a Right triangle – Trigonometric Ratios – Defining Trigonometric Ratios – Trigonometric ratios of some specific and complementary angles – Trigonometric identities – Applications of Trigonometry – Drawing figures to solve problems –

solutions for two triangles.

Methodology (6 Marks)

- Meaning and Nature of Mathematics, History of Mathematics.
- Contributions of Great Mathematicians - Aryabhatta, Bhaskaracharya, Srinivasa Ramanujan, Euclid, Pythagoras, George cantor.
- Aims and Values of teaching Mathematics, Instructional objectives (Blooms taxonomy)
- Mathematics curriculum: Principles, approaches of curriculum construction, -Logical and Psychological, Topical and Concentric, Spiral approaches. Qualities of a good Mathematics text book.
- Methods of teaching mathematics- Heuristic method, Laboratory method, Inductive and Deductive
- methods, Analytic and Synthetic methods, Project method and Problem Solving method.
- Unit Plan, Year Plan, Lesson Planning in Mathematics.
- Instructional materials, Edgar Dale's Cone of Experience.
- Evolving strategies for the gifted students and slow learners
- Techniques of teaching mathematics like Oral work, Written work, Drilling, Assignment, Project, Speed and Accuracy.
- Mathematics club, Mathematics structure, Mathematics order and pattern sequence.
- Evaluation - Types, Tools and Techniques of Evaluation, Preparation of SAT Analysis, Characteristics of a good test

D.1.2 PHYSICAL SCIENCE (15 Marks)

Content (12 Marks)

1. MEASUREMENT

Story of transport, Non- standard units of Measurements, Measuring the length of a Curved line, Measurement of length, area, volume and time. CGS and SI units of length, area, volume and time, Conversion of units from CGS to S.I and Vice versa.

2. MOTION

Describing Motion, Motion and Rest, Motion Along a Straight Line, Types of motion (Translatory, Rotatory and oscillatory), Scalars and vectors, Distance, Displacement, Speed, Velocity, Average speed, Average velocity, Acceleration, Graphical Representation of Motion, Distance-Time Graphs, Velocity-Time Graphs, Uniform Motion and Non- Uniform Motion, Equations of Motion, Uniform Circular Motion, Laws of Motion, Balanced and Unbalance Forces, First Law of Motion, Inertia and Mass, Momentum, Second Law of Motion, Third law of motion.

3. FORCE, FRICTION AND PRESSURE

Force – A Push or a Pull, Exploring Forces, Effect of Force on Objects, Types of forces (field force and contact force), Net force, Types of friction (static, Sliding and Rolling), Factors affecting Friction, Friction: A Necessary Evil, Increasing and Reducing Friction, Fluid friction, Pressure, Pressure Exerted by Liquids and Gases, Pressure of liquids at different depths, Atmospheric Pressure.

4. GRAVITATION

Uniform circular motion, Universal law of gravitation, Free Fall, Acceleration due to Gravity, Motion of Objects Under the Influence of Gravitational Force of the Earth, Mass and Weight, Thrust and Pressure, Pressure in Fluids, Buoyancy, Floating and Sinking Objects, Archimedes' Principle.

5. WORK, ENERGY

Scientific Conception of Work, Work Done by a Constant Force, Energy, Forms of Energy, Kinetic Energy, Potential Energy, Mechanical Energy. Law of Conservation of Energy, Conversion of Energy from one form to another, Power and its units.

6. SOUND

Sound - a form of energy, Production of sound, Some musical instruments, Sound Needs a Medium for Propagation, Human ear, Hearing Impairment, Noise and Music, Propagation of Sound, Types of waves (longitudinal and transverse), Characteristics of sound waves (Wavelength, Frequency, Time period, Speed of the wave), Relation between frequency and time period, Pitch, Loudness and Quality, Intensity of Sound, Speed Of Sound in Different Media, Reflection of Sound, Echo, Reverberation, Uses of Multiple Reflection of Sound, Range of Hearing, Infrasonic and Ultrasonics, Applications of Ultrasound, Sound pollution.

7. HEAT

Heat and temperature, Transfer of Heat (Conduction, convection, radiation), Kinds of clothes we wear in summer and winter, Units of temperature (centigrade, Fahrenheit and Kelvin; Conversions), Expansion of liquids due to heat, Types of thermometers, Thermal equilibrium,

Temperature and Kinetic energy, Specific Heat, Applications of Specific heat capacity, Principle of method of mixtures, Determination of Specific heat of a solid, Evaporation, Condensation, Humidity, Dew and Fog, Boiling, Latent heat of vapourisation, Melting, Latent heat of fusion, Freezing, Temperature- time graph.

8. LIGHT

Light, Transparent, Opaque and Translucent Objects, Shadows and Images, Rectilinear Propagation of Light, A Pinhole Camera, Regular and Diffused Reflection, Reflection of light by plane surfaces (laws of reflection, periscope, multiple images, kaleidoscope, Characteristics of image formed by plane mirrors), Spherical Mirrors and Images, Spectrum, Wave nature of light, Fermat principle, Sign convention, Refraction, Refraction of Light at Plane Surfaces, Refractive index, Absolute refractive index, Relative refractive index, Snell's law, Critical angle, Total Internal Reflection, Applications of total internal reflection, Mirages, Optical fibres, Refraction Through a Glass Slab, Lateral shift, Vertical shift, Refraction of Light at Curved Surfaces, Lenses, Terminology used in the case of lenses -Focal length, Focus, Optic Centre, Principal axis, Radius of curvature, Centre of curvature, Focal plane, Behaviour of certain light rays when they are incident on a lens, Images formed by lenses for various distances of objects, UV method, Lens formula, Lens maker's formula, Human Eye, Least distance of distinct vision, Angle of vision, Myopia, Hypermetropia, Presbyopia, Care of the Eyes, Braille System, Visually Impaired Persons, Power of lens, Refractive index of a Prism, Dispersion of light through prism, Sunlight-Dispersion, Rainbow, Scattering of light.

9. ELECTRICITY

Simple Electric circuit and its components, Conductors, Insulators, Type of cells (Dry and liquid), Electric symbols and uses, Series and parallel connection of cells and bulbs, Heating effects of Electricity, Understanding of CFL, Fuse and MCBs, Chemical Effects Of Electric Current, Good/Poor Conducting Liquids, Electroplating, Magnetic Effects of Electric Current, Electromagnet, Electric bell, Electric current, Drude and Lorentz theory, Potential difference and EMF, Drift velocity and working of a cell, Ohm's law, Electric shock, Factors affecting the resistance, Series connection of resistors, Parallel Connection of resistors, Multi-meter, Kirchhoff's laws, Sign convention in a circuit, Electric power, Power consumption, Electric energy, Overload.

10. MAGNETISM AND ELECTROMAGNETISM

How Magnets were discovered, Magnetic and Non-Magnetic Materials, Types of Magnets, Poles of Magnet, Properties of Magnets, Storing magnets safely, Magnetic compass, Earth as a Magnet, Magnetic Induction, Oersted's experiment, Magnetic Field, Magnetic flux – Magnetic flux density, Magnetic field due to straight wire /circular coil/solenoid carrying current, Magnetic Force, Electric Motor, Electromagnetic induction, Faraday's Law, Lenz Law, Applications of Faraday's law of electromagnetic induction, Induced current, Induced EMF, Electric generator, DC and AC currents, rms values.

11. PRINCIPLES OF METALLURGY

Metallurgy, Occurrence of the metals in nature, Ores and Minerals, Extraction of metals, Activity series, Concentration or Dressing of the ore, Hand picking, Washing, Froth flotation, Magnetic Separation, Extraction of crude metal from the ore, Reduction of purified ore to the metal, Purification of the crude metal, Distillation, Poling, Liquation, Electrolytic refining, Corrosion,

Prevention of corrosion, Thermite process, Smelting, Roasting, Calcination, Flux, Gangue, Blast furnace, Reverberatory furnace.

12. CARBON AND ITS COMPOUNDS

Allotropes of Carbon, Amorphous forms, Crystalline forms, Diamond, Graphite, Buckminsterfullerene, Nanotubes, Versatile nature of Carbon, Catenation, Tetravalency, Hydrocarbons, Saturated and unsaturated hydrocarbons, Homologous series, Isomerism, Functional groups, Nomenclature of Aliphatic Hydrocarbons, IUPAC names, Chemical properties of carbon compounds- Combustion, Oxidation reactions, Addition reactions, Substitution reactions, Ethanol, Ethanoic acid, Esters, Esterification Reactions, Soaps – Saponification and Micelles, Cleansing action of soap, Detergents.

13. SOME NATURAL PHENOMENON

The Story of Lightning, charging by Rubbing, Electric charge and properties of electric charge, Types of charges and their interactions, Transfer of charge, lightning, lightning safety, lightning conductors, Earthquake, Tsunami, Causes and effects, Protective measures.

14. STARS AND SOLAR SYSTEM

The Moon, The Moon's Surface, Phases of Moon, Eclipses (Solar and lunar eclipses), The Stars, Movement of Stars (Constellation, pole star), Movement of the sun, Solar System, Planets and Some Other Members of the Solar System, Artificial Satellites.

15. CHANGES AROUND US

Slow/fast changes, Temporary/permanent changes, Natural/man made changes, Physical/ chemical changes, Rusting of iron, Crystallisation, Galvanization, Corrosion, Rancidity, Oxidation / reduction

16. MATTER

Objects Around Us, Properties of Materials, Physical Nature of Matter, Characteristics of Particles of Matter, States of matter, Properties of solids, liquids and gases, Change of state of Matter – effect of change of temperature and pressure, Evaporation, Factors Affecting Evaporation, Sublimation, Deposition, Boiling, Latent heat of vaporisation, Latent heat of fusion, Mixture, Types of Mixtures, Solutions., Properties of a Solution, Types of Solutions, Concentration of solution, Expressing Concentration of Solutions, Suspension, Properties of a Suspension, Colloidal Solution, Properties of a Colloid, Common examples of colloids, Mixtures, Methods of separation– handpicking, Threshing, Winnowing, Sedimentation, Decantation, Sieving, Filtration, Sublimation, Chromatography, Distillation and fractional distillation, Evaporation, Condensation, Use of more than one method of separation, Saturated and unsaturated solutions, Separation of immiscible liquids, Types of Pure Substances – Elements and Compounds.

17. ATOMS AND MOLECULES

Laws of Chemical Combination - Law of Conservation Of Mass, Law of Constant Proportions, Atom, Symbols of Atoms of Different Elements, Atomic Mass, Atomicity, Valency, Molecule, Molecules Of Elements, Molecules Of Compounds, Ion – Cation & Anion, Polyatomic ions, Names and symbols of ions, Formation of ions, Writing Chemical Formulae, Molecular Mass, Molar mass, Formula Unit Mass, Structure of The Atom, Subatomic particles, Charged Particles in Matter, Thomson's Model of an Atom, Rutherford's Model of an Atom, Bohr's Model of an Atom, Bohr-

Sommerfeld model of an atom, Neutrons, Distribution of electrons into different Orbits, Atomic Number and Mass Number, Isotopes, Isobars, Atomic line spectra, Planck's quantum theory, Quantum numbers, Shapes of orbitals, Electronic Configuration, Pauli Exclusion Principle, Aufbau principle, Hund's Rule.

18. CLASSIFICATION OF ELEMENTS-THE PERIODIC TABLE

Dobereiner's law of Triads, Newlands' law of Octaves, Mendeleev's Periodic Table, Modern Periodic Table, Periodic properties of the elements and their gradation in the modern periodic table.

19. CHEMICAL BONDING

Lewis dot structures, Covalency, Electronic theory of valence by Lewis and Kossel, Octet rule, Ionic and Covalent bonds, Ionic and Covalent compounds, Bond lengths and Bond energies of covalent bonds, Valence shell electron pair repulsion theory, Valence bond theory, Hybridisation.

20. METALS AND NON METALS

Physical Properties of Metals and Non-metals, Chemical Properties of Metals and Non-metals, Uses of Metals and Non-metals, Examples of metals and non-metals, Reactivity order of metals.

21. SYNTHETIC FIBRES AND PLASTICS

Natural and Synthetic fibres, Preparation and uses, Types of Synthetic Fibres, Characteristics of Synthetic Fibres, Plastics as Materials of Choice, Types of plastics, Plastics and environment, Biodegradable – Non biodegradable materials.

22. COAL AND PETROLEUM

Exhaustible and inexhaustible Resources, Fuels – Types, Coal, Story of Coal, Uses of Coal and Coal products, Refining of petroleum, Petrochemical products in various sectors, Various Constituents of Petroleum and their Uses, Formation of coal and petroleum, Natural Gas, Misuse of Energy resources and Consequences.

23. COMBUSTION FUELS AND FLAME

Combustion, Types of Combustion, Ignition temperature, Inflammable substances, Flame, Fuel Efficiency, Burning of Fuels Leads to Harmful Products, Fire control, Structure of flame – colors zones – Intensities.

24. AIR

Atmosphere, Components of air, Availability of oxygen to plants and animals, Replacement of Oxygen in the Atmosphere.

25. ACIDS, BASES AND SALTS

Natural acid-base indicators, Synthetic acid-base Indicators, Olfactory indicators, Universal Indicator, Chemical properties of Acids and Bases, Reaction of Acids and bases with Metals, Reaction of Acids with carbonates and metal hydrogen Carbonates, Neutralization reaction, Reaction of Acids with metal oxides, Reaction of base with non-metal oxide, Production of H+ions and OH- ions, Electrical conductivity of Acids and Bases, Properties of Bases, Dilution, Strength of acid or base, pH scale, Importance of pH in everyday life, Self defense by animals and plants through chemical warfare, Family of salts, pH of Salts, Chemicals from common salt, Important

product from chlor-alkali process and their uses, Water of crystallization, Common salt, Bleaching Powder, Baking soda, Washing soda, Plaster of paris, Gypsum, and their uses.

Methodology (3 Marks)

- Definition, Nature, Structure and History of Science
- Aims, Values, Instructional Objectives of teaching Science and Academic Standards in Science
- Methods of Teaching Science
- Teaching Learning Material in Teaching of Science - TLM in Science – Use of ICT.
- Instructional Planning
- Science Laboratory
- Science Teacher - Changing Roles
- Science Curriculum and its transaction, NCF-2005, SCF- 2011
- Science Textbooks.
- Evaluation - CCE - Formative Assessment, Summative Assessment - Designing and Administration Analysis of Scholastic Achievement Test (SAT)

D.1.3 BIOLOGICAL SCIENCE (15 Marks)

Content (12 Marks)

1. LIVING WORLD

Living and Nonliving things, Characteristics of living organisms, Different types of habitat and adaptation, Skeletal parts – Bones, Joints, Cartilage; muscles, Movements in animals, Cell – The basic unit of life, Types of cells, Cell structure and function, Cell division, Animal Tissues, Plant tissues, Introduction to microorganisms, Useful Microorganisms, Harmful microorganism, Food preservation, Agricultural Practices, Improvement in crop yields, Storage of food, Food from Animals - Animal Husbandry

2. LIFE PROCESSES

Our food, Components of food, Balanced diet, Malnutrition, Deficiency diseases, Plants – Types, Plant parts – functions, Types of nutrition, Nutrition in plants – Autotrophic, Parasitic, saprophytic, Insectivorous; Nutrition in animals - Different ways of taking food, Digestion in humans, Digestion in grass eating animals, feeding and digestion in amoeba; Cellular respiration, Types of respiration, Respiration in plants, Respiration in animals, Respiration versus combustion, Photosynthesis versus Respiration, Circulatory system - Human Circulatory system, Evolution of the transport system in animals, Transportation in plants; Excretion - Excretion in Human Beings, Excretion in other organisms, Excretion and release of substances in plants, Excretion Vs Secretion; Coordination in animals- Nervous and Endocrine systems, Control mechanism in plants – Plant hormones, tropic and nastic movements, Modes of reproduction – sexual, asexual and vegetative; Sexual reproduction in plants, Seed dispersal, Sexual and Asexual Reproduction in Animals, Metamorphosis, Reproduction in a placental mammal – Man, Reproductive health, Birth control methods, Fighting against social ills, Adolescence and puberty – changes, role of hormones, Reproductive phase, Variations, Mendel's experiments on inheritance, Sex determination in human beings, Evolution – Lamarckism, Darwinism, Evidences of evolution, Human evolution

3. OUR ENVIRONMENT

Our Environment - Food chain, Food web, Ecological pyramids, Effects of human activities on ecosystems, Steps towards prevention; Natural resources - Renewable and non-renewable resources, conservation; Bio diversity - Forests, Flora, fauna, interrelation of organisms, Advantages of forests, Deforestation - effects, Conservation of forest and wildlife – Protecting areas, endangered and endemic species; Air & water pollutions -Cusses, effects and prevention, Water, Sewage, Treatment of polluted water, Better housekeeping practices, Sanitation and Disease, Alternative arrangement for sewage disposal; Global Environmental Issues - Green house effect, Global warming, Acid rains; Nitrogen cycle.

Methodology: (3 Marks)

- Definition, Nature, Structure and History of Biological Science
- Aims, Values, Instructional Objectives of teaching Science and Academic Standards in Science
- Methods of Teaching Science
- Teaching Learning Material in Teaching of Science - TLM in Science – Use of ICT.
- Instructional Planning
- Science Laboratory
- Science Teacher - Changing Roles
- Science Curriculum and its transaction, NCF-2005, SCF- 2011
- Science Textbooks.
- Evaluation - CCE - Formative Assessment, Summative Assessment - Designing and Administration Analysis of Scholastic Achievement Test (SAT)

D.2. SOCIAL STUDIES (60 Marks)

Content (48 Marks)

1. DIVERSITY ON THE EARTH

Universe- origin, Galaxy, Celestial bodies, Constellations, The Solar System, Our Earth ; Globe, Axis, Latitudes, Longitudes, Movements of the Earth, Equinox, Eclipses, Components of the Environment, Maps- Types, Components, Conventional Symbols, uses; Forests - Climatic regions, Types of forests, Uses, Forests in AP, Deforestation, Social Forestry and Conservation; Landforms - Major Landforms of AP, Podu Cultivation, Diversity in Lifestyles; Resources-Types, Conservation; Land, Soil, Water, Natural Vegetation and Wildlife Resources, Landslides, Factors of Soil formation, Degradation of soil and conservation measures, Water problems of water availability; India Size and Location, India's Neighbours, India Relief Features-Major Relief Divisions, Climate of India-Monsoon, Climogrphs, Climatic Controls, Drainage-The Himalayan Rivers and Peninsular rivers and river pollution, Indian Rivers and Water Resources.

2. PRODUCTION EXCHANGE AND LIVELIHOODS

Markets around us-Types of Markets, Consumer Protection; Road Safety-Traffic Signs, Road marking signs-using methods, Road safety measures, pedestrian safety, safe cycling, safety traveling; Mineral and Power Resources- Types of Minerals, Distribution, Conservation, Power Resources -Conventional, Non-Conventional; Agriculture- Types of farming, major crops; Industries-Classification, Distribution ; Human Resources-Population Density, Population size and distribution, Population Change Population growth, National population policy; Population composition; Weavers, Iron Smelters and Factory Owners- Indian Textiles and the World Market, The Sword of Tippu Sultan and Wootz Steel; Public Facilities-Water as part of the Fundamental Right to life, Govt. role, The story of village Palampur, Ideas of Development-HDI, Production and Employment-GDP, organised, Unorganised Sectors, The People-Census, Changing Population Size, People as a Resource-Economic activities by men and women Quality of population, Unemployment, Poverty as a Challenge-Poverty line, Global poverty Scenario, anti-poverty measures, People and Settlement-Urbanisation, People and Migration-Rural, Urban and Seasonal, Temporary, International migrations, Rampur: A Village Economy, Globalisation-MNC,WTO, Food Security-Food Security in India, Access to Food, Nutritional status, MSP,PDS; Role of Cooperatives in Food Security, Sustainable Development with Equity,

3. POLITICAL SYSTEMS AND GOVERNANCE

Early life to Settled life - Belum Caves, Rock Paintings; Emergence of Kingdoms and Republics-Janapadas, Mahajanapadas; kingdoms and Empires- Mauryan, Gupta, Satavahana, Pallava, Chalukya; Delhi Sultanate; Kakatiya Kingdom, Vijayanagara Empire, Mughal Empire, How When and Where, From Trade to Territory- The company establishes Power - East India Company, The Battle of Plassey, Tipu sultan, The Doctrine of Lapse; Ruling the Countryside - The company becomes the Diwan, The need to improve Agriculture, Munro System, Crops for Europe, Why the demand for indian Indigo?, The Blue Rebellion and After; Tribals, Dikus and the Vision of a Golden Age-How did Tribal groups live?, How did colonial rule affect tribal lives?; Forest Loss and their Impact, Birsa Munda; When people rebel 1857 and after-Policies and the people, Through the Eyes of the people, A Mutiny becomes a popular Rebellion, The Company fights back; Civilizing the "Native" Educating the nation-How the British saw Education, The agenda for a National education of British; The making of the National Movement-1870's - 1947, The Emergence of Nationalism, The growth of mass Nationalists, Dandi March, Quit India and Later; India after Independence-A new and Divided Nation, A Constitution is written, How were States to be formed, Planning for development, A Nation sixty years on; The French Revolution, Socialism in Europe and the Russian Revolution, Nazism and the rise of the Hilter, Forest society and

Colonialism, Pastoralists in the Modern World, The World Between Wars Part-1,2, National Liberation Movement in the Colonies-China, Vietnam, Nigeria, National Movement in India and Partition and Independence:1939-1947, Independent India[The First 30 years-1947-77],Emerging Political Trends 1977-2000,Post-War World and India-UNO, Cold War, Military Alliances, India and its Neighbours

4. SOCIAL ORGANISATION AND INEQUITIES

Towards Equality- Diversity, discrimination, Types, Constitutional Provisions; Women Change the World - Women's movement, Inspirational Women; Women, Caste and Reform- Working towards Change-Changing the lives of widows, Girls begin to going to School, Women write about Women, Caste and Social Reform - Gulamgiri who could enter, The Non Brahman movement; Indian Constitution - Introduction, Key features, Fundamental Rights and Duties ;Government- Types, Levels, Local self-Government, State Government-Legislative, Executive, Judiciary; Working of Institutions, Understanding Secularism; Why do we need Parliament?, The role of the Parliament, Houses of Parliament, Who are the people in parliament?; Understanding Laws-How do new laws come out?, Unpopular and Controversial Laws, Judiciary - Independent Judiciary, Structure of Courts in India, Different Branches of the Legal System, Understanding Our Criminal Justice System-Role of the police, Public prosecutor, Judge, What is a Trial Crime?; Understanding Marginalisation -Who are Adivasis?, Adivasis and development, Minorities and Marginalisation; Confronting Marginalisation - Invoking Fundamental Rights, Laws for the Marginalised, Protecting the Rights of Dalits and Adivasis, Adivasi demands and 1989 Act; Law and Social Justice-Bhopal Gas tragedy, Enforcement of safety Laws, New Laws to protect the Environment, What is Democracy? why Democracy?, Constitutional Design-Democratic Constitution in South Africa, Struggle against Apartheid, Electoral politics, Democratic Rights, The Making of Independent India's Constitution, Social Movements in Our Times, Citizens and the Governments-RTI, Legal Service Authority

5. RELIGION AND SOCIETY

Religions-Hinduism, Jainism, Buddhism, Islam, Sikhism, Unity in Diversity; Bhakti Movement - Sufi Movement;

6. CULTURE AND COMMUNICATION

Early Civilisations - Indus, Vedic period, Vedic Literature, Indian Culture, Languages.

Methodology (12 Marks)

- Aims and objectives of learning Social Sciences - values through Social Sciences - learning objectives and illustrations - learning objectives in constructivist approach -Academic Standards
- School curriculum and resources in Social Sciences - NCF-2005, RTE-2009, SCF-2011 - syllabus – Learning Resources.
- Social Sciences as on integrating area of study: Context and concerns - Distinguishing between Natural
- and Social Sciences - Social Studies and various Social Sciences -contributions of some eminent Social Scientists
- Approaches and strategies for learning Social Sciences - collaborative learning approach - 5E learning model - problem solving approach - planning -concept mapping
- Community Resources and Social Sciences Laboratory
- Tools and techniques of assessment for learning: Social Sciences

D.3 TELUGU (60 Marks)

కంటెంట్ (48 మార్కులు)

1) తెలుగు సాహిత్య చరిత్ర

   - కవులు, కాలం, రచనా విశేషాలు, బిరుదులు, ఇతివృత్తం, పాత్రలు, విశేషాంశాలు, వివిధ ప్రక్రియలు
   - ఆధునిక కవిత్వ ధోరణులు, లక్షణాలు

2) భాషా చరిత్ర

   - మాండలిక భాష – స్వభావం, ఉత్పత్తి, భేదాలు
   - గ్రాంధిక భాష -వ్యావహారిక భాష – ఆధునిక ప్రామాణిక భాష
   - అర్థ విపరిణామం
   - ధ్వని – ధ్వన్యుత్పత్తి స్థానాలు

3) సాహిత్య విమర్శ

   - కావ్యం – నిర్వచనం – కావ్య ప్రయోజనం – కవిత్వ హేతువులు – శైలి – సంస్కృత, పాశ్చాత్య లాక్షణికుల సిద్ధాంతాలు

1) 6 నుండి 10 వ తరగతి వరకు పాఠ్యపుస్తకాలలోని అంశాలు:

   పాఠ్యభాగ నేపథ్యాలు, ఉద్దేశాలు, సందర్భాలు, పాత్రలు, కవి పరిచయాలు, ఇతి వృత్తాలు, ప్రక్రియలు

2) పదజాలం

   అర్థాలు, పర్యాయపదాలు, నానార్థాలు, వ్యుత్పత్త్యర్థాలు, ప్రకృతి – వికృతి, జాతీయాలు, సామెతలు, పొడుపు కథలు

3) భాషాంశాలు

   సంధులు, సమాసాలు,ఛందస్సు (జాతులు, ఉపజాతులు, వృత్తాలు), అలంకారాలు (శబ్ద, అర్థాలంకారాలు) , పదం, ప్రాతిపదిక, భాషాభాగాలు, విభక్తులు, వ్యాకరణ పారిభాషిక పదాలు (పరుషాలు, నిత్యం, తత్సమం, ఉపధ,ద్రుతప్రకృతికం, కళలు, మహత్తులు, కాలాలు, లింగములు, క్రియలు రకాలు, వాక్య భేదాలు మొదలైనవి).

4) పఠనావగాహన

   అపరిచిత పద్యం / అపరిచిత గద్యం

ు బోధనా పద్ధతులు (12 మార్కులు)

1. భాష – వివిధ భావనలు
2. భాషానైపుణ్యాలు
3. ప్రణాళికా రచన – పాఠ్య గ్రంథాలు
4. విద్యా సాంకేతిక శాస్త్రం – సహ పాఠ్య కార్యక్రమాలు
5. సాహిత్య ప్రక్రియలు – బోధనా పద్ధతులు
6. మూల్యాంకనం -పరీక్షలు

D.4 ENGLISH (60 Marks)

Content (48 Marks)

VOCABULARY	LEVEL OF TESTING
Synonyms	Identification of Shades of Meaning
Antonyms	Identifying Antonyms in a Context
Homophones	Identification and Usage
Homonyms	Identification and Usage
Hypernyms & Hyponyms	Identification and Usage
Spelling	Spelling
One-word Substitutes	Referring to Persons/Professions, Places, Collections
Phrasal Verbs	Identification of Meaning and Usage
Idiomatic Expressions	Identification, Usage
Proverbs	Proverbs
Word Formation	Suffixes, Prefixes and other forms
Short Forms – Full Forms	Common Short Forms – Full Forms
Abbreviations – Full Forms	Common Abbreviations – Full Forms
Word Collocations	Word Collocations
Foreign Phrases Used in English	Standard and common Foreign Phrases Used in English
GRAMMAR	**LEVEL OF TESTING**
Helping Verbs	Form, Function & Contractions
Ordinary Verbs	Form, Function & Contractions
Articles	Use of Articles Including Omissions
Prepositions	Simple, Compound Prepositions Including Prepositions following Certain Words and Prepositional Phrases
Clauses	Main Clauses, Sub-ordinate Clauses, Adjectival Clauses, Noun Clauses, Adverbial Clauses, Relative Clauses, Finite and Non-Finite Clauses
Sentence Structures	Sentence Structures
Degrees of Comparison	Form, Function, Construction, Transformation
Language Functions	Language Functions with Social norms (formal and informal)
Question Tags	Imperatives and Statements with semi negatives and indefinites subjects
Types of Sentences	Types of Sentences
Sentence Improvement	Sentence Improvement
Direct Speech & Indirect Speech	Statements, Questions, Imperatives and Exclamatory Sentences
Active Voice & Passive Voice	Active Voice & Passive Voice
Tenses	Use of tenses and framing including IF conditionals Type 1,2, & 3
Agreement between Subject & Verb	Agreement between subject & Verb
Word Order	Word Order In a phrase or a sentence
Parts of Speech	Nouns, Pronouns, Adjectives, Adverbs, Conjunctions, Interjections – Types and functions

Linkers	Linkers
Transformation of Sentences	Simple, Compound and Complex Sentences
Common Errors	Based on all Vocabulary and Grammar Topics
CONVENTIONS OF WRITING	**LEVEL OF TESTING**
Punctuation AND Capitalization	Use of capital letters, comma, full stop, question mark, exclamation mark and inverted commas
COMMPOSITION	**LEVEL OF TESTING**
Writing Discourses	Letter Writing, News Report, Diary Entry, Conversation
DICTIONARY SKILLS	LEVEL OF TESTING
DICTIONARY SKILLS	DICTIONARY SKILLS
PRONUNCIATION	LEVEL OF TESTING
Phonetics, Stress & Intonation	Phonetic Transcription and stress marking including intonation in context
READING COMPREHENSION	**LEVEL OF TESTING**
Prose	Prose (GENERAL)

LITERATURE	**LEVEL OR AREA OF TESTING**
Background of English Literature	Poetical Types, Dramatic Types, The Essay, The Novel, The Short Story
Literary Terms	*Parallelism, Prologue, epilogue, setting, the character, metre, diction, imagery, prosody, point of view, epic, mock epic, choreography, narration, classic, chorus, comedy, tragedy, conflict, plot, criticism, discourse, empathy, sympathy, style, theatre, feminism, soliloquy, folklore, structure; *Figures of Speech – Simile, Metaphor, Apostrophe, Personification, Metonymy, Synecdoche, Irony and Alliteration; Rhyme Scheme
Literary Comprehension	**LEVEL OR AREA OF TESTING**
Poetry (Detailed Study)	Poetry – (Sonnet, Ode, Elegy, Ballad, Lyric, Dramatic Monologue, Meter, Diction, Imagery, Prosody) EX: 1. Where the Mind is Without Fear (Rabindranath Tagore) 2. A Slumber did my spirit seal (William Wordsworth)
Prose/Essay (Detailed Study)	1. Of Studies (Francis Bacon) 2. What Makes a Nation (C. Rajagopalachari)
Novels (Detailed Study)	Novel (Fiction, Point of View, Setting, Style, Narration). Ex:-Animal Farm (George Orwell) To Kill a Mockingbird (Harper Lee)
Drama (Detailed Study)	Drama (In terms of Structure, Characters, Dialogues, Setting).

	Eg:- 1. Twelfth Night (William Shakespeare) 2.The Importance of Being Earnest (Oscar Wilde)
Short Story (Detailed Study)	▪ 1. The Bet (Anton Chekhov) ▪ 2. Engine Trouble (R. K. Narayan)

Methodology (Marks: 12)

METHODOLOGY	LEVEL OR AREA OF TESTING
1. Aspects of language - English language history, nature, importance, principles of English as second language and - Problems of teaching / learning English 2. Objectives of teaching English 3. Development of language skills - Listening, Speaking, Reading and Writing (LSRW) - Communicative skills and imparting values through communication. 4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching. 5. Teaching of structures, vocabulary and grammar. 6. Teaching learning materials in English 7. Lesson planning 8. Curriculum and textbooks – importance and need. 9. Evaluation in English language 10. Pronunciation, Phonetics and Phonetic Transcription	Detailed and deep understanding with application in broader sense.

D.5 URDU (60 Marks)

Content (48 Marks)

I اردوادب کی تاریخ:

نوٹ: چھٹی جماعت تا دسویں جماعت کی درسی کتابیں

☆ شعراءوادباء کی سوانح حیات، ادبی کارنامے اوران کے کرداروں کا جائزہ

☆ تصانیف، اسباق کے مرکزی خیالات، پس منظر

☆ خطابات اورالقاب

☆ جدیدشاعری کی خصوصیات

II اصناف ادب کا تفصیلی مطالعہ:

☆ حمد، مناجات، نعت، غزل، نظم، رباعی، مرثیہ، قصیدہ، گیت، مثنوی،

☆ افسانہ، ڈرامہ، خطوط نویسی، انشائیہ، مضمون، سوانح خودنوشت، سفرنامہ، کہانی

III زبان کی تاریخ:

☆ اردوزبان کی ابتداء مفہوم ماہیت ارتقائی عوامل

☆ اردوزبان کی ابتداء اور مختلف نظریات

☆ زبان اوراس کے اقسام

IV ☆ اردوزبان کی مبادیات، حروف تہجی، اعراب، مخارج، صوتیاتی نظام

☆ اردوشعراءاورادباء کا اسالیب بیان

V مطالعہ کا فہم: A) ان دیکھا نثر B) ان دیکھی نظم

VI زبان شناسی:

جماعت اول تا دہم کی درسی کتابیں

A) لفظیات

☆ واحد جمع، اضداد، ہم وزن وہم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ، تکرار لفظی۔

B) قواعد

علم ہجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصمتے، جنس، تعداد، حروف شمسی وقمری رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اور اس کے اقسام، سابقہ و لاحقہ، علم عروض، علم بیان، علم نحو، علم اعداد، اسم کی حالتیں، صنعتیں، مرکب توصیفی، ترکیب توصیفی، ترکیب اضافی۔

طریقہ تدریس Methodlogy (12 Marks)

(B.Edاردو طریقہ تدریس کی کتاب)

A) اردو کے تدریسی مقاصد۔

B) زبان اور اس کی مہارتیں۔

C) اردو معلم اور تدریس، اردو زبان کے تدریسی طریقے۔

D) نصابی اور ہم نصابی مشاغل۔

E) تدریسی آلات۔

F) اردو کی ترقی وفروغ میں معاون ادارے۔

G) تدریس اور اسباق کی منصوبہ بندی۔

I) جانچ۔

D.6 HINDI (60 Marks)

Content: (48 Marks)

1. कवि- लेखक -रचनाएं -विषय वस्तु -पृष्ठभूमि- चरित्र चित्रण भाषा शैली आदि।
2. साहित्यिक विधाए और उनकी विशेषताएं
3. हिंदी भाषा का . उद्भव और विकास
4. हिंदी भाषा का क्षेत्र,उपभाष और बोलियाँ
5. भारतीय काव्य शास्त्र,रस,अलंकार
6. भाषा तत्व और व्याकरण - वर्णमाला(स्वर -व्यंजन,भेद)
   शब्द भेद: रूप, परिवर्तन के आधार पर विकारी और अविकारी शब्द ,उपसर्ग ,प्रत्यय, लिंग, चन, कारक ,काल ,संधि, समास , पर्यायवाची शब्द, विलोम शब्द, शब्द परिचय, तत्सम, तद्भव, क्रिया -सकर्मक क्रिया, अकर्मक क्रिया, मुहावरे, कहावतें, अनुवाद , मानक शब्द, श्रुतिसमभिन्नार्थ शब्द
7. हिंदी पाठ्य पुस्तक : लहर, लहर -2, स्पर्श, संचयन (उपवाचक और पतन हेतु सहित) छठवी से दसवीं कक्षा तक.

METHODOLOGY (12 Marks)

1. (1) भाषा अर्थ और स्वरूप
   (2) माध्यमिक स्तर पर हिंदी शिक्षण के उद्देश्य, प्रथम भाषा के रूप में, द्वितीय भाषा के रूप में
   (3) भाषा की समस्या- त्रिभाषा सूत्र
2. (1) आदर्श हिंदी अध्यापक के गुण
   (2) अच्छे शिक्षक की विशेषताएं
   (3) भाषा शिक्षण की सामान्य सिद्धांत
   (4) भाषा शिक्षण के सूत्र
   (5) भाषा शिक्षण की प्रणालियों
   (6) भाषा शिक्षण की विधियां
3. (1) शिक्षण में भाषा कौशलों का महत्व
   (2) भाषा कौशलों का विकास: ध्वनि की उत्पत्ति- ध्वनि और श्रवण का पारस्परिक संबंध, बोलना : शब्दोच्चारण,वागयन्त्र उच्चारण का अभ्यास, पाठशाला में वार्तालाप का अभ्यास

पढ़ना: विशेषताएं वाचन के प्रकार,वाचन संबंधी दोष और उपचार लिखना : महत्व, नियम, अक्षर विन्यास पक्ष कौशलों का समन्वय

4. (1) शिक्षण उद्देश्यों का वर्गीकरण
   (2) न्यूनतम अधिगम स्तर
   (3) पाठ योजना, गद्य- पद्य- व्याकरण- रचना -पत्र लेखन
   (4) इकाई योजना
   (5) शिक्षण उपकरण
   (6) भाषा शिक्षण पद्धतिया : प्रत्यक्ष,परोक्ष,खेल,डाल्टन,सूक्ष्म शिक्षण आदि
5. (1) पाठ्यक्रम
   (2) पाठ्य पुस्तक
   (3) पुस्तकालय
   (4) भाषा सहगामी क्रिया
6. (1) मूल्यांकन की धारणा
   (2) उत्तम परीक्षा की विशेषताएं
   (3) उपलब्धि परीक्षा
   (4) निरंतर समग्र मूल्यांकन
   (5) उद्देश्य आधारित मूल्यांकन
   (6) उपचारात्मक और निदानात्मक शिक्षण

D.7 KANNADA (60 Marks)

Content (48 Marks)

1. ಕನ್ನಡ ಸಾಹಿತ್ಯ ಚರಿತ್ರೆ :

- ✧ ಕವಿಗಳು, ಕಾವ್ಯಗಳು, ಇತರ ರಚನೆಗಳು, ಬಿರುದುಗಳು, ಪಾತ್ರಗಳು, ವಿಶೇಷ ಅಂಶಗಳು, ವಿವಿಧ ಪ್ರಕ್ರಿಯೆಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
- ✧ ಆಧುನಿಕ ಸಾಹಿತ್ಯ ಧೋರಣೆಗಳು, ಲಕ್ಷಣಗಳು.

2. ಭಾಷಾ ಚರಿತ್ರೆ :

- ✧ ಗ್ರಾಂಥಿಕ ಭಾಷೆ, ವ್ಯವಹಾರಿಕ ಭಾಷೆ, ಆಧುನಿಕ ಭಾಷೆ.
- ✧ ಧ್ವನಿ – ಧ್ವನ್ಯಂಗಗಳು, ಉತ್ಪತ್ತಿ ಸ್ಥಾನಗಳು.

3. ಸಾಹಿತ್ಯ ವಿಮರ್ಶೆ :

- ✧ ಕಾವ್ಯ, ವ್ಯಾಖ್ಯಾನ, ಕಾವ್ಯ ಪ್ರಯೋಜನ, ಕವಿತ್ವ, ಶೈಲಿ, ರೀತಿ, ಸಂಸ್ಕೃತ ಪಾಶ್ಚಾತ್ಯ ಲಾಕ್ಷಣಿಕರು, ಅವರ ಸಿದ್ಧಾಂತಗಳು

4. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿಯವರೆಗೂ ಇರುವ ಪಠ್ಯಪುಸ್ತದಲ್ಲಿರುವ ಅಂಶಗಳು

- ✧ ಪಠ್ಯ ಭಾಗದ ಹಿನ್ನೆಲೆ, ಸಂದರ್ಭಗಳು, ಪಾತ್ರಗಳು, ಕವಿ ಪರಿಚಯ, ನಿದರ್ಶನಗಳು.

5. ಪದಜಾಲ : ಅರ್ಥಗಳು, ಸಮನಾರ್ಥಕ ಪದಗಳು, ನಾನಾರ್ಥಗಳು, ವ್ಯುತ್ಪತ್ತಿ ಅರ್ಥಗಳು, ತತ್ಸಮ – ತದ್ಭವಗಳು, ಗಾದೆಗಳು, ಲೋಕೋಕ್ತಿಗಳು.

6. ಭಾಷಾಂಶಗಳು : ಸಂಧಿಗಳು, ಸಮಾಸಗಳು, ಛಂದಸ್ಸು (ಮಾತ್ರಾ, ಅಕ್ಷರ, ಅಂಶಿಗಣ ಛಂದಸ್ಸು) ಅಲಂಕಾರಗಳು, (ಶಬ್ದಾಲಂಕಾರ, ಅರ್ಥಾಲಂಕಾರ), ಧಾತು, ಭಾಷಾಂಶಗಳು, ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು, ಪಾರಿಭಾಷಿಕ ಪದಗಳು, ದೇಶೀಯ, ಅನ್ಯದೇಶೀಯಗಳು, ಕಾಲಗಳು ಲಿಂಗಗಳು, ಕ್ರಿಯಾಪದದದ ವಿಧಗಳು, ವಾಕ್ಯದ ವಿಧಗಳು ಇತ್ಯಾದಿ.

7. ವಾಚನ / ಓದು ಅವಗಾಹನೆ : ಅಪರಿಚಿತ ಪದ್ಯ / ಅಪರಿಚಿತ ಗದ್ಯ

Methodology (12 Marks)

ಕನ್ನಡ ಭಾಷಾ ಬೋಧನಾ ಪದ್ಧತಿಗಳು :

- ✧ ಭಾಷೆ – ವಿವಿಧ ಭಾವನೆಗಳು
- ✧ ಭಾಷಾ ಕೌಶಲ್ಯಗಳು – ಸಾಧಿಸಬೇಕಾದ ಸಾಮರ್ಥ್ಯಗಳು
- ✧ ಪಠ್ಯಕ್ರಮ / ಯೋಜನೆಗಳ ರಚನೆ.
- ✧ ಸಹಪಠ್ಯ ಚಟುವಟಿಕೆಗಳು
- ✧ ಸಾಹಿತ್ಯ ಪ್ರಕ್ರಿಯೆಗಳು, ಬೋಧನಾ ಪದ್ಧತಿಗಳು – ತಂತ್ರಗಳು.
- ✧ ಮೌಲ್ಯಮಾಪನ – ಪರೀಕ್ಷೆಗಳು.

D.8 TAMIL (60 Marks)

Content (48 Marks)

I. **தமிழ் இலக்கிய வரலாறு :**

* புலவர்கள், காவியங்கள் - பிற படைப்புகள் - விருதுகள் - வாழ்க்கை குறிப்புகள், கதாபாத்திரங்கள் - சிறப்பு அம்சங்கள் - பல்வேறு முறைகள் - மையக்கருத்து.
* தற்கால கவிதை நடை - பண்புகள் - கவிஞர்கள்

II. **மொழி வரலாறு :**

* வட்டார மொழி - (ப்ண்பு, பிறப்பு, பணி) கிளைமொழி - பொதுமொழி - சிறப்புமொழி - குறுமொழி - குழந்தை மொழி - நவீன கால மொழி - உணர்ச்சி - அறிவு செயல் மொழி - மொழியின் பண்பாடு - போலச் செய்தல் - மொழி இனங்கள் - ஒருபொருட் கிளவிகள் - அழியும் மொழிகள் - திராவிட மொழியினம்.
* எழுத்து மொழி - பேச்சு மொழி
* பிறமொழி
* ஒலி மாற்றம் - பொருள் வேறுபாடு - எழுத்து பிறப்பு இடங்கள்.

III. **இலக்கிய திறனாய்வு :**

* இலக்கியங்கள் - வரையறைகள் - இலக்கிய நூல்களின் பயன்கள் - நன்னெறிகள் - மொழிநடை - கலாச்சாராங்கள் - பண்புகள் - விதிகள்.

****

I. **3லிருந்து 10ஆம் வகுப்பு வரையுள்ள தமிழ்ப் பாடநூலிலுள்ள பாடப்பொருள்.**

* பாட மையக்கருத்து, நிகழ்வுகள், கதாபாத்திரங்கள்.

II. **சொல்லாக்கம் :**

* அருஞ்சொற்பொருள், ஒருசொல் பலபொருள், ஒருபொருள் பலசொல், தொகைச்சொல், பிரித்து எழுதுக, சேர்த்து எழுதுக, இருபொருள்.

III. **மொழித்திறன் :**

* பதம் - பகுபதம் - பகாப்பதம் - காலம் - பால் - வினை வகைகள் - வாக்கிய வகைகள்
* புணர்ச்சி (பாடப் புத்தகத்திலுள்ளவை மட்டும்)
* அணி (உவமை, பிறிதுமொழிதல், வேற்றுமை, பின்வருநிலை அணி)
* வினா (வினாவிலுள்ள அனைத்து வகைகள்) வழு, வழாநிலை - ஆகுபெயர்
* வேற்றுமை - இலக்கண குறிப்பு

IV. **புரிந்துகொள்ளுதல் - விடையளித்தல்**

* அறியா செய்யுள், அறியா பத்தி.

Methodology (12 Marks)

1. மொழி - பல்வேறு கருத்துக்கள்.
2. மொழித் திறன்கள்.
3. திட்டமிடுதல் - பாடப்புத்தகங்கள்.
4. கல்வி தொழில் நுட்பவியல் - துணை கல்விச் செயற்பாடுகள்.
5. இலக்கிய செயல்முறைகள் - கற்பித்தல் முறைகள்.
6. மதிப்பீடு மற்றும் தேர்வுகள்.

D.9 ODIA (60 Marks)

Content : 48 Marks

1. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ :

କ) ଆଦିଯୁଗ, ସାରଳାଯୁଗ, ପଞ୍ଚସଖାଯୁଗ, ରୀତିଯୁଗର କବି ଓ ଲେଖକମାନଙ୍କ କୃତି, ଉପାଧି ଓ ସାହିତ୍ୟର ବିଶେଷତ୍ୱ

ଖ) ଆଧୁନିକ ଯୁଗ – ରାଧାନାଥ ଯୁଗ, ସତ୍ୟବାଦୀ ଯୁଗ, ସବୁଜ ଯୁଗ, ପ୍ରଗତିବାଦୀ ଯୁଗର କବି ଓ ଲେଖକମାନଙ୍କ କୃତି, ଉପାଧି, ପୁରସ୍କାର ଓ ସାହିତ୍ୟର ବିଶେଷତ୍ୱ

2. ଓଡ଼ିଆ ଭାଷାର ଇତିହାସ:

କ) ଓଡ଼ିଆ ଭାଷାର ଉନ୍ମେଶ ଓ କ୍ରମ ବିକାଶ

ଖ) ଧ୍ୱନି ବିଜ୍ଞାନ ଓ ଓଡ଼ିଆ ଭାଷାର ଧ୍ୱନିଗତ ବୈଶିଷ୍ଟ୍ୟ

3. ଓଡ଼ିଆ ପତ୍ରପତ୍ରିକା ଓ ଓଡ଼ିଆ ସାହିତ୍ୟର ବିଭିନ୍ନ ଧାରା:

କ) ଊନବିଂଶ ଓ ବିଂଶ ଶତାବ୍ଦୀର ପତ୍ରପତ୍ରିକା

ଖ) ପ୍ରବନ୍ଧ, କବିତା, ଉପନ୍ୟାସ, ଗଳ୍ପ, ନାଟକ, ଭ୍ରମଣ ସାହିତ୍ୟ, ଜୀବନୀ ଓ ଆତ୍ମଜୀବନୀ ସାହିତ୍ୟ

4. ଷଷ୍ଠ ଶ୍ରେଣୀ ଠାରୁ ଦଶମ ଶ୍ରେଣୀ ପର୍ଯ୍ୟନ୍ତ ସାହିତ୍ୟ ପାଠ୍ୟବହି ଅନ୍ତର୍ଗତ ବିଷୟବସ୍ତୁ:

କ) ପାଠ୍ୟାଂଶର ବିଷୟବସ୍ତୁ, ପୃଷ୍ଠଭୂମି, ବିଭିନ୍ନ ଚରିତ୍ର

5. ଶବ୍ଦ ଭଣ୍ଡାର :

କ) ଶବ୍ଦାର୍ଥ ଖ) ପ୍ରତିଶବ୍ଦ ଗ) ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ ଘ) ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ

ଙ) ଶୁଦ୍ଧଶବ୍ଦ

6. ଭାଷା ପ୍ରକରଣ :

କ) ଶବ୍ଦଗଠନର ଧାରା–ଲିଙ୍ଗ, ବଚନ, ବିଭକ୍ତି, କୃଦନ୍ତ, ତଦ୍ଧିତ, ଉପସର୍ଗ, ସନ୍ନନ୍ତ, ଯଙନ୍ତ, ଣିଜନ୍ତ,'ଣ'ତ୍ୱ ବିଧି ଓ 'ଷ'ତ୍ୱ ବିଧି

ଖ) ପଦ ପ୍ରକରଣ – ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, କ୍ରିୟା ଓ ଅବ୍ୟୟର ସଂଜ୍ଞା ଏବଂ ପ୍ରକାର ଭେଦ

ଗ) ସନ୍ଧି – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଘ) ସମାସ – ସଂଜ୍ଞା, ସମାସର ନାମ, ସମସ୍ତ ପଦ, ବିଗ୍ରହ ବାକ୍ୟ ଓ ପ୍ରକାର ଭେଦ

ଙ) ଛନ୍ଦ – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଚ) ଅଳଙ୍କାର – ସଂଜ୍ଞା, ପ୍ରକାର ଭେଦ, ଲକ୍ଷଣ ଓ ଉଦାହରଣ

ଛ) ବାକ୍ୟ – ବାକ୍ୟ ବିଚାର, ପଦ ବିନ୍ୟାସ, ବାକ୍ୟର ପ୍ରକାର ଭେଦ, ବାକ୍ୟ ରୂପାନ୍ତର, ବାକ୍ୟ ସଂକ୍ଷେପଣ

ଜ) ରୂଢ଼ି ଓ ଲୋକବାଣୀ

7. ଅବବୋଧ ପରୀକ୍ଷଣ :

କ) ଅପରିଚିତ ପଦ୍ୟ ଖ) ଅପରିଚିତ ଗଦ୍ୟ

Methodology : 12 Marks

କ) ଶିକ୍ଷାକ୍ଷେତ୍ରରେ ମାତୃଭାଷାର ଗୁରୁତ୍ୱ – ଓଡ଼ିଆ ଶିକ୍ଷାଦାନର ଲକ୍ଷ୍ୟ ଓ ଉଦ୍ଦେଶ୍ୟ

ଖ) ପାରମ୍ପରିକ ଓ ଆଧୁନିକ ଓଡ଼ିଆ ଶିକ୍ଷାଦାନ ପଦ୍ଧତି

ଗ) ପଠନ ଓ ଲିଖନ ଶିକ୍ଷାଦାନ ପଦ୍ଧତି

ଘ) ଗଦ୍ୟ, କବିତା ଶିକ୍ଷାଦାନ ପ୍ରଣାଳୀ

ଙ) ବ୍ୟାକରଣ ଓ ରଚନା ଶିକ୍ଷାଦାନ ପ୍ରଣାଳୀ

ଚ) ବନାନ ଅଶୁଦ୍ଧି ଏବଂ ଉଚ୍ଚାରଣ ତ୍ରୁଟିର କାରଣ ଓ ନିରାକରଣ

ଛ) ଭାଷା ଶିକ୍ଷାରେ ବିଭିନ୍ନ ଶିକ୍ଷଣ ଉପକରଣର ଭୂମିକା

ଜ) ପାଠ୍ୟଯୋଜନା

ଝ) ମୂଲ୍ୟାୟନ

D.9 SANSKRIT (60 Marks)

Content (48 Marks)

1. **पठनावगमनम् :** परिचितशलोकः - प्रश्नाः

   परिचितगद्यम् - प्रश्नाः

2. कवयः काव्यानि, रचयितारः, रचनाः

3. **पाठप्रक्रियाः** - पद्य - गद्य - चम्पू - दण्डक, शतक - आत्मकथा - इत्यादयः

4. **पाठाधारितप्रश्नाः**

5. **भाषांशाः** समानार्थकाः

   विरुद्धार्थकाः

   सन्धिः

   समासः

   छन्दः

   अलङ्कारः

   विभक्तिः

   क्रियापदम्

   प्रत्ययान्ताः

   व्युत्पत्त्यर्थाः

6. **अनुवादः** आङ्लभाषातः संस्कृतभाषा

Methodology(12 Marks)

भाषा - भावनाः

भाषा - नैपुण्यम्

पाठ्यक्रमयोजना-पाठ्यग्रन्थः

विद्या - सांकेतिकशास्त्रम् - सहपाठ्यकार्यक्रमः

बोधनापद्धतीः

मूल्याङ्कनम् - परीक्षा च

Teacher Eligibility Test – 2024

PAPER – II(B)

Structure and Content

A	Child Development and Pedagogy (Special Education)	30 MCQs	30 Marks
B	Language I (Telugu/Urdu/Hindi/Kannada/Tamil/ Odia/Sanskrit)	30 MCQs	30 Marks
C	Language II (English)	30 MCQs	30 Marks
D	Category of Disability Specialisation and Pedagogy	60 MCQs	30 Marks
	Total	**150 MCQs**	**150 Marks**

A. CHILD DEVELOPMENT AND PEDAGOGY (SPECIAL EDUCATION) (30 Marks)

1. CHILD DEVELOPMENT

- Growth and Development
- Theories and approaches to human development
- Individual differences
- Learning process and theories
- Sensation, Attention, Perception, Motivation and Intelligence.

2. PEDAGOGY IN SPECIAL EDUCATION

- Identification of Assessment of CwSN
- Types, Characteristics and Educational needs of CwSN
- Stages of teaching and learning
- Approaches of curriculum development
- Adaptations and accommodations
- Inclusive Education
- Inclusive academic instructions
- Individualised Education Plan (IEP)
- Teaching Strategies and Evaluation
- New trends and strategies in implementing Inclusive Education for CwSN
- Vocational Education and Training

3. EDUCATION COMMISSIONS AND POLICY (SCHOOL EDUCATION)

- Constitutional provisions on education that reflect National Ideals: Equality, liberty, secularism andsocial justice
- National Commissions and Policies: Education Commission (1964), NPE and POA (1986, 1992), National Policy for Persons with Disabilities (2006), National Education Policy 2020.
- National Acts: RCI Act, 1992, PWD Act (1995), NT Act (1999), RTE Act (2009 & 2012), RPWD Act (2016)
- Programmes and schemes: IEDC (1974, 1983), SSA (2000, 2011), RMSA, 2009, IEDSS, 2009.
- International Conventions and Policies: Salamanca Declaration and Framework, 1994, UNCRPD 2006, MDG, 2015, INCHEON Strategies.

B.1 LANGUAGE - I TELUGU (30 Marks)

1) పఠనావగాహన :

ఎ)అపరిచిత పద్యం / అపరిచిత గద్యం

2) 6 వ తరగతి నుండి 10 వ తరగతి వరకూ తెలుగు వాచకాలు :

ఎ)ప్రక్రియలు – లక్షణాలు బి)కవులు – రచయతల పరిచయం

సి)విశేషాంశాలు డి)ఇతివృత్తాలు

ఇ)నేపథ్యాలు ఎఫ్)ఉద్దేశాలు

3) పదజాలం : - (1 నుండి 10వ తరగతి స్థాయి వరకు)

ఎ) అర్థాలు బి) పర్యాయపదాలు సి) నానార్థాలు డి) వ్యుత్పత్త్యర్థాలు

ఇ) ప్రకృతి – వికృతులు ఎఫ్) జాతీయాలు జి) సామెతలు హెచ్) పొడుపు కథలు

ఐ) మాండలిక పదాలు

4) భాషాంశాలు

ఎ) వ్యాకరణ పారిభాషిక పదాలు

(తత్సమం, తద్భవం, ఆగమం, ఆదేశం, నిత్యం, వికల్పం, బహుళం, ద్రుత ప్రకృతికం, ప్రాతిపదిక, ప్రత్యయం, భాషాభాగాలు, విభక్తులు మొదలగునవి.)

బి) సంధులు – నిర్వచనాలు

సంస్కృత - సవర్ణదీర్ఘ, గుణ, వృద్ధి, యణాదేశ సంధులు మాత్రమే

తెలుగు - అత్వ, ఇత్వ, ఉత్వ, యడాగమ, ఆమ్రేడిత, ద్విరుక్తటకార, దృతప్రకృతిక/సరళాదేశ, గసడదవాదేశ సంధులు మాత్రమే

సి) సమాసాలు – నిర్వచనాలు

ద్వంద్వ, ద్విగు, తత్పురుష, కర్మధారయ, బహువ్రీహి, అవ్యయీభావ సమాసాలు

డి) ఛందస్సు - వృత్తములు

ఉత్పలమాల, చంపకమాల, శార్దూలం, మత్తేభం

ఇ) అలంకారాలు

శబ్దాలంకారాలు(వృత్త్యనుప్రాస, చేకానుప్రాస, లాటాను ప్రాస, అంత్యానుప్రాస, యమకము, ముక్తపదగ్రస్తము)

అర్థాలంకారాలు (ఉపమా, రూపక, ఉత్ప్రేక్ష, అతిశయోక్తి)

ఎఫ్) క్రియలు రకాలు - క్త్వార్థం, చేదర్థకం మొదలగునవి.

జి) వాక్యాలు భేదాలు

(సామాన్య, సంయుక్త, సంశ్లిష్ట, ఆశ్చర్యార్థక, ప్రశ్నార్థక, కర్తరి, కర్మణి, వ్యతిరేకార్థక వాక్యాలు, ప్రత్యక్ష పరోక్ష కథనాలు మొదలగునవి.)

B.2 LANGUAGE - I URDU (30 Marks)

I مطالعہ کا فہم: A) ان دیکھا نثر

B) ان دیکھی نظم

II چھٹی جماعت تا دسویں جماعت کی درسی کتابیں

A) اصناف اور ان کی خصوصیات

B) شعراء و ادباء کا تعارف

C) سوانح حیات اور ادبی کارنامے

III زبان شناسی (صرف کتاب میں موجود مواد)

A) لفظیات

☆ واحد جمع، اضداد، ہم وزن و ہم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ

B) قواعد

☆ علم ہجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصمتے، جنس، تعداد رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اور اس کے اقسام سابقہ و لاحقہ

B.3 LANGUAGE - I HINDI (30 Marks)

1. अवबोध : पठित - अपठित - पद्य - गद्य
2. कवि -काव्य- रचनाकार -लेखक -रचनाएं
3. वर्णमाला: स्वर,व्यंजन,वर्ण विच्छेद,अक्षर,संयुक्ताक्षर, द्वित्वाक्षर
4. शब्द भेद,शब्द ध्वनिया, शब्द रूप, परिवर्तन के आधार पर विकारी और अविकारी शब्द
5. व्याकरण : वचन,लिंग,कारक,काल, विराम चिह्न,संधि,समास,विलोम,समानार्थी शब्द, भिन्नार्थी,मुहावरे, कहावतें,लोकोक्तियां,उपसर्ग, प्रत्यय
6. अकर्मक -सकर्मक क्रिया, वाक्य भेद,वाक्य क्रम
7. हिंदी पाठ्य पुस्तके (द्वितीय भाषा) छठवीं कक्षा से आठवीं कक्षा तक(पठन हेतु) सहित

B.4 LANGUAGE - I KANNADA (30 Marks)

1. ಓದುವ ತಿಳುವಳಿಕೆ :

ಎ) ಅಪರಿಚಿತ ಪದ್ಯ ಬಿ) ಅಪರಿಚಿತ ಗದ್ಯ

2. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿ ಕನ್ನಡ ಪಠ್ಯ ಪುಸ್ತಕ, ಪೂರಕ ಪಾಠಗಳಲ್ಲಿನ ವಿಷಯಗಳು :

ಕವಿ – ಕಾವ್ಯಗಳು, ಲೇಖಕರು – ಕೃತಿಗಳ ಪರಿಚಯ

3. ಪದಜಾಲ ಸಂಪತ್ತು :

ಎ) ಅರ್ಥಗಳು ಬಿ) ಸಮನಾರ್ಥಕ ಪದಗಳು ಸಿ) ನಾನಾರ್ಥಗಳು

ಡಿ) ತತ್ಸಮ – ತದ್ಭವಗಳು ಇ) ನುಡಿಗಟ್ಟುಗಳು ಎಫ್) ಗಾದೆಗಳು

ಜಿ) ಸಕರ್ಮಕ – ಅಕರ್ಮಕ ಪದಗಳು ಎಚ್) ವ್ಯುತ್ಪತ್ತಿ ಅರ್ಥಗಳು

ಐ) ಲೋಕೋಕ್ತಿಗಳ

4. ಭಾಷಾಂಶಗಳು :

- ವ್ಯಾಕರಣ ಪಾರಿಭಾಷಿಕ ಪದಗಳು (ತತ್ಸಮ, ತದ್ಭವ, ದೇಶ್ಯ, ಅನ್ಯದೇಶ್ಯ, ಗ್ರಾಮ್ಯ ಪದಗಳು,ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು)
- ಸಂಧಿಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
  ಸಂಧಿಗಳು ಗುರುತಿಸುವಿಕೆ, ಸೂತ್ರಗಳ ಅನ್ವಯ
- ಸಮಾಸಗಳು – ವ್ಯಾಖ್ಯಾನಗಳು
  ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮಾಸ ಪದಗಳಾಗಿ ಜೋಡಿಸುವುದು, ಸೂತ್ರಗಳ ಅನ್ವಯ.
- ಛಂದಸ್ಸು – ವಿಧಗಳು, ಮಾತ್ರಾಗಣ, ಅಕ್ಷರಗಣ ಮತ್ತು ವೃತ್ತಗಳು.
- ಅಲಂಕಾರಗಳು – ಶಬ್ದಾಲಂಕಾರ ಮತ್ತು ವಿಧಗಳು, ಅರ್ಥಾಲಂಕಾರ (ಉಪಮ, ರೂಪಕ, ದೃಷ್ಟಾಂತ, ಉತ್ಪ್ರೇಕ್ಷ, ಅತಿಶಯೋಕ್ತಿ ಅಲಂಕಾರಗಳು)
- ಕ್ರಿಯಾಪದ – (ನಕಾರಾತ್ಮಕ, ನಿಷೇಧಾರ್ಥಕ, ಅಕರ್ಮಕ, ಸಕರ್ಮಕ ಕ್ರಿಯಾಪದಗಳು)
- ವಾಕ್ಯಗಳು – ವಿಧಗಳು (ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಮಿಶ್ರ, ಆಶ್ಚರ್ಯ, ಪ್ರಶ್ನಾರ್ಥಕ, ವಿರುದ್ಧಾರ್ಥಕ, ನಕಾರಾತ್ಮಕ, ನಿಷೇಧಾತ್ಮಕ, ಕರ್ತರಿ, ಕರ್ಮಣಿ, ಭಾವಸೂಚಕ, ವಿಧ್ಯರ್ಥಕ, ಪ್ರತ್ಯಕ್ಷ, ಪರೋಕ್ಷ ವಾಕ್ಯಗಳು)

B.5 LANGUAGE - I TAMIL (30 Marks)

I. **புரிந்துகொள்ளுதல் – விடையளித்தல்**

அ) அறியாச் செய்யுள் ஆ) அறியாப் பத்தி

II. **6 ஆம் வகுப்பிலிருந்து 10 ஆம் வகுப்புவரை தமிழ் பாடப்புத்தகத்திலுள்ள அனைத்தும்.**

அ) முறைகள் – பண்புகள் ஆ) கவிஞர், புலவர் ஆசிரியர் குறிப்பு

இ) சிறப்பு அம்சங்கள்

III. **சொல்லாக்கம் :**

அ) சொற்பொருள் ஆ) ஒருசொல் பலபொருள் இ) ஒருபொருள் பலசொல்

ஈ) இருபொருள் உ) சேர்த்து எழுதுக ஊ) பிரித்து எழுதுக

எ) நிறுத்தற்குறிகள் ஏ) வழக்கு ஐ) வழு ஒ) மரபுத்தொடர்

ஓ) பிறமொழி சொல்லுக்கு தமிழ்ச்சொல்

B.6 LANGUAGE - I ODIA (30 Marks)

1. ଅବବୋଧ ପରୀକ୍ଷଣ :

କ) ଅପରିଚିତ ପଦ୍ୟ ଖ) ଅପରିଚିତ ଗଦ୍ୟ

2. ଷଷ୍ଠ ଶ୍ରେଣୀ ଠାରୁ ଦଶମ ଶ୍ରେଣୀ ପର୍ଯ୍ୟନ୍ତ ଓଡ଼ିଆ ସାହିତ୍ୟ :

କ) କବି/ଲେଖକ ପରିଚୟ ଖ) ବିଷୟବସ୍ତୁ ଗ) ପୃଷ୍ଠଭୂମି

3. ଶବ୍ଦ ଭଣ୍ଡାର : (ପ୍ରଥମ ଶ୍ରେଣୀ ଠାରୁ ଦଶମ ଶ୍ରେଣୀ ପାଠ୍ୟ ଭିତ୍ତିକ)

କ) ଶବ୍ଦାର୍ଥ ଖ) ପ୍ରତିଶବ୍ଦ ଗ) ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ ଘ) ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ
ଙ) ସମୋଚ୍ଚାରିତ ଶବ୍ଦ ଚ) ଶୁଦ୍ଧଶବ୍ଦ

4. ଭାଷା ପ୍ରକରଣ :

କ) ଶବ୍ଦର ପ୍ରକାର ଭେଦ (ତତ୍‌ସମ, ତଦ୍‌ଭବ, ଦେଶଜ ଓ ବୈଦେଶିକ)

ଖ) ପଦ ପ୍ରକରଣ – ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, କ୍ରିୟା ଓ ଅବ୍ୟୟର ସଂଜ୍ଞା ଏବଂ ପ୍ରକାର ଭେଦ

ଗ) ସନ୍ଧି – ସଂଜ୍ଞା, ସ୍ୱର ସନ୍ଧି, ବ୍ୟଞ୍ଜନ ସନ୍ଧି, ବିସର୍ଗ ସନ୍ଧି

ଘ) ସମାସ – ସଂଜ୍ଞା, ତତ୍‌ପୁରୁଷ, କର୍ମଧାରାୟ, ଦ୍ୱିଗୁ, ଦ୍ୱନ୍ଦ୍ୱ, ବହୁବ୍ରୀହି ଓ ଅବ୍ୟୟୀଭାବ

ଙ) ଛନ୍ଦ – ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ

ଚ) ଅଳଙ୍କାର – ଶବ୍ଦାଳଙ୍କାର ଓ ଅର୍ଥାଳଙ୍କାର

ଛ) ବାକ୍ୟ – ବାକ୍ୟର ପ୍ରକାର ଭେଦ, (ସରଳ, ଯୌଗିକ, ଜଟିଳ, ପ୍ରଶ୍ନ ସୂଚକ, ବିସ୍ମୟ ସୂଚକ, ନାସ୍ତି ସୂଚକ, କର୍ତ୍ତୃବାଚ୍ୟ, କର୍ମବାଚ୍ୟ, ପ୍ରତ୍ୟକ୍ଷ ଉକ୍ତି ଓ ପରୋକ୍ଷ ଉକ୍ତି)

B.7 LANGUAGE - I SANSKRIT (30 Marks)

1. **पठनावगमनम्**: परिचितशलोकः - प्रश्नाः
   परिचितगघम् - प्रश्नाः
2. कवयः - काव्यम् - रचयितारः - रचनाः ।
3. **पाठ्यप्रक्रियाः** पद्य - गद्य - चम्पू - दण्डक - शतक - आत्मकथा - इत्यादयः
4. **पाठ्यांशाधारितप्रश्नाः**
5. **भाषांशाः** समानार्थक
   विरुद्धार्थक
   सन्धि
   समास
   छन्दः
   अलङ्कारः
   विभक्ति

C. LANGUAGE – II ENGLISH (30 Marks)

VOCABUBLARY	LEVEL OF TESTING
Synonyms	Identification
Antonyms	Identification
Homophones	Identification
Homonyms	Identification
Spelling	Spelling
Phrasal Verbs	Identification of meaning
One Word Substitutions	Identification of meaning
Word Formation	Suffixes and Prefixes, Compound Words, Noun to Adjective
Idioms and Phrases	Identification of meaning
Anagram	Identification
GRAMMAR	**LEVEL OF TESTING**
Helping Verbs	Forms, Contractions
Modal Auxiliaries	Form, Function, Contractions & Negatives
Ordinary Verbs	Form, Function, Contractions
Articles	Use of Articles
Prepositions	Types and functions
Clauses	Main Clauses, Sub-ordinate Clause, Noun Clauses, If Clauses
Sentence Structures	Basic Sentence Structures
Language Functions	Language functions with social norms (School and domestic context)
Types of Sentences	Types of Sentences
Direct Speech & Indirect Speech	Statements, Questions, Imperatives
Active and Passive Voice	Transformation
Tenses	Use of tenses and framing including IF conditionals Type 1 & 3
Agreement of subject with verb	Agreement of subject with verb
Word Order	Word order in a phrase and a sentence
Parts of Speech	Nouns, Pronouns, Adjectives, Adverbs, Conjunctions – Types and functions
Linkers	Types and functions
Transformation of sentences	Simple, Compound and Complex Sentences
Common Errors	Based on all Vocabulary and Grammar topics
CONVENTIONS OF WRITING	**LEVEL OF TESTING**
Punctuation and Capitalisation	Use of capital letters, full stop, question mark, comma, exclamation mark, double quotes, Apostrophe
DISCOURSES	**LEVEL OF TESTING**
Writing of discourses	Letter writing, Diary writing, Descriptions, Notice, Dialogue writing, Biographical sketch, Invitations, Email, Speech, Short poem, Report writing, Story writing
DICTIONARY SKILLS	**LEVEL OF TESTING**
Dictionary Skills	Alphabetical Order, Word Stress
READING COMPREHENSION	**LEVEL OF TESTING**
Prose	Prose (General)

D. CATEGORY OF DISABILITY SPECIALIZATION AND PEDAGOGY (60 Marks)

1. AUTISM SPECTRUM DISORDERS

Introduction to Autism Spectrum Disorders (ASD), Types and Characteristics, Related Disorders, Identification and Assessment, ASD- Differential Assessment Development of Curriculum, Curriculum Development and Teaching, Curricular Focus for Children with ASD, Curricular Adaptation for Inclusive Education of Children with ASD, Methods of Evaluating Children with ASD. DevelopmentalApproach, Behavioural Approach, Cognitive Approach, Social Approach, Teaching Methods and Strategies. Etiological Aspects, Communication Aspects, Sensory Motor Aspects, Assistive Technology(AT) and Assistive Devices (AD), Need Assessment and Planning for Assistive Technology Transitionfrom adolescence to adulthood for a person with ASD, Preparedness for Adulthood, Needs and role ofFamily and Community, Practicum/ Field Engagement

2. HEARING IMPAIRMENT

Early Identification of Hearing Loss: Need and Strategies, Audiological Assessment, Assessment of Language & Communication, Assessment of Speech, Educational Assessment and Identification of Needs. Curriculum and Its' Designing, Developing Literacy Skills: Reading, Developing Literacy Skills, Curricular Adaptation, Curricular Evaluation. Need & Strategies for Early Intervention of Hearing Loss, Auditory Learning (AVT & Auditory Training) & Speech Reading, Speech Intervention Strategies, Communication and Language Teaching Strategies, Educational Intervention Strategies Listening Devices and Classroom Acoustics, Technology for Management for Speech, Technology Facilitating Language & Communication, Technology Facilitating Education, Resource Mobilisation for Technology Psychosocial Aspects and Disability, Family Needs, Family Empowerment.

3. LEARNING DISABILITY

Introduction to Learning Disability (LD), Types of LD, Assessment of LD, Domains of Assessment, Assessment of Curricular Areas Curriculum Design, Curriculum Hierarchies, Instructional Planning, Adaptation, Modification, Accommodation, Assessment & Evaluation Conceptual Framework of Educational Interventions, Educational Interventions for Processing Deficit, Reading and Writing Interventions, Interventions for Mathematics, Intervention in Life Skills Concept of Technology, Learning Needs of CWLD, Technology for Presentation & Expression (Input and Output),Technology for Classroom Engagement, Trends & Issues in Using Technology Overview of Psycho-social Domains, Family Dynamics, Nurturing Social Emotional Wellbeing.

4. MENTAL RETARDATION / INTELLECTUAL DISABILITY

Intellectual Disability - Nature and Needs, Assessment, Assessment at Pre-School and School levels, Assessment at Adult and Vocational levels, Assessment of Family Needs Curriculum Designing, Curriculum at Pre-School and Primary School level, Curriculum at Secondary, Pre-and Vocational level, Curriculum Adaptations, Curriculum Evaluation Intervention, Individualised Education Programme, Teaching Strategies and TLM, Intervention for Mal-adaptive Behaviour, Therapeutic Intervention. Technology in Education and Instruction, Use of Multimedia in Education,Technology Based Instructions, Application of Technology Family, Psycho-Social Issues, Involving Families,Adolescent Issues, CBR and CPP (Community People Participation).

5. MULTIPLE DISABILITIES

Introduction to Multiple Disabilities, Identification and Assessment of Persons with Multiple Disabilities, Physical and functional Assessment, Developmental and Behavio Aspects in Relation to Multiple Disabilities, Hearing, Speech, Language and Communication Aspects. Introduction to Curriculum Development, Curriculum Development at Various Stages, Curricular and Co-curricular Material Adaptation, Classroom Management, Evaluation Early Intervention, Therapeutic Intervention Strategies, Teaching Methods, Techniques and Strategies, Universal Design in Learning, Teaching Methods, Approaches and Strategies for Sensory Impairment Introduction to Assistive Technology (AT),Assistive Technology for Communication, Academic Learning and Assistive Living, Assistive Technology to Support Universal Design for Learning (UDL), Assistive Technology to Enhance Social Skills, Orientation and Mobility, Access to Computer . Attitudes and Stress, Role of family, Working with Family having Children with Disability, Community Resource Mobilization, Access

6. VISUAL IMPAIRMENT

Anatomy and Physiology of Human Eye, Types of Visual Impairment and Common Eye Disorders, Implications of Visual Impairment and Needs of Visually Impaired, Identification and Assessment ofVisual Impairment, Assessment of Learning Needs of Children with VIMD Concept and Types of Curriculum, Teaching Functional Academics Skills, Teaching of Independent Living Skills, Curricular Adaptation, Curricular Activities Theoretical Perspectives, Mathematics, Science, Social Science, Teaching of Children with Low Vision Introducing Educational and Information Communication Technology Adaptive Technologies, Access to Print for the Visually Impaired, Assistive Technologies for the Visually Impaired with Reference to School Subjects and Low Vision, Computer-Aided LearningFamily of a Child with Visual Impairment, Parental Issues and Concerns, Rehabilitation of Children with Visual Impairment, Meeting the Challenges of Children with Visual Impairment.