



**State Council of Educational Research & Training  
Andhra Pradesh**



Government of Andhra Pradesh  
**Department of School Education**



**Syllabus for  
AP TET  
Teacher Eligibility Test  
JULY -2024**

**PAPER – I(A).....**

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).....**

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).....**

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 (30 MARKS) .....	53
D.1.1 MATHEMATICS AND SCIENCE (60 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).....**

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
	<b>Total</b>	<b>150 MCQs</b>	<b>150 Marks</b>

### **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 Childhood, 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 CONCERN'S**

- 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, ECCCE, Teacher Education.
- New Policies and Programmes implemented by A.P., Government.

## B.1 LANGUAGE - I    TELUGU

(30 Marks)

కంటెంట్ (24 మార్కులు)

1. పరివాహనాపూసన  
ఎ) అపరాతిషిత పద్యం      జ) అపరాతిషిత గద్యం
  2. తలుగు వాచకాలలోని  
ఎ) కని పరిచయాలు      జ) విశేషాంశాలు      సి) ఉద్దేశాలు, జతివ్యాపాలు      ఔ) పుక్కియులు
  3. పదజాలం  
ఎ) అర్థాలు      జ) పర్యాయపదాలు      సి) ప్రక్కణి-ప్రక్కణులు      ఔ) నానార్థాలు  
ఇ) జాతీయాలు      ఎఫ) సామేతలు      జి) పాండుపు కథలు      హాఫ) పుస్తక్ష్యార్థాలు      ఐ) మాండలిక పదాలు
  4. భాషాంశాలు  
ఎ) భాషాభాగాలు      జ) కాలాలు      సి) లింగాలు      ఔ) విభక్తులు      ఝ) పురుషులు      ఐ) విరామ చిహ్నాలు  
హాఫ) పచనాలు      ఐ) వ్యక్తరణ పాలిభాషిక పదాలు  
జై) అక్షర విభాగం : అశ్చులు, హల్లులు, క్షభయాశ్చరాలు, చ్ఛిత్తు, సంయుక్తాశ్చరాలు, పరుషాలు సరళాలు, అసునొకాలు,  
చ్ఛిష్మములు, అంతస్థాలు, వర్ధయుక్తులు, స్వర్ణాలు, స్విరాలు,  
కె) పరీంత్స్థి స్థానాలు:  
ఎల్) సందులు – నిర్వచనాలు  
తెలుగు సంధులు - ఆత్మ, జత్తు, ఉత్తు, యమాగ్రమ, సరళాదేశ, గుసడువాదేశ, ఆశ్చేషిత, బ్యారుకుటార, లు, లన, ల  
సంధులు  
సంస్కృత సంధులు - సవర్ణిస్థ, గుణ, యుణాదేశ, వృభ్రీసంధులు  
సంధులకు సంబంధించిన పదాలను విడుదియుడం సంభి చేయడం.  
ఎమ్) సమాసాలు - విర్మసనాలు  
విర్మసావాక్యాలను గుర్తించడం, విర్మసావాక్యాలను సమాస పదాలుగా కూర్చడం  
ఎఫ్) ఛందస్సు - గుర్తు లమ్ముచుల లక్షణాలను గుర్తించడం, చంపకమాల పద్ధ లక్షణాలు  
ఒ) అలంకారాలు - పాత్రస్థస్తకమునుండరి అలంకారాలు గుర్తించడం.  
పీ) పాక్షాలు - రకాలు, క్రియలు – రకాలు
- తెలుగు బోధనా పద్రత్తులు (6 మార్కులు)
- ఎ) భాష - మాతృభాష, మాతృబ్యాషా బోధన లక్ష్యాలు
  - జి) భాషా సైవ్యాష్యాలు - సాధించాల్చిన సాముర్ఖ్యాలు
  - సి) బోధనా పద్రత్తులు
  - ఔ) ప్రభాషికా రచన - వినియోగం
  - ఇ) బోధనాభ్యసన ఉపకరణాలు
  - ఎఫ్) మూలాంకనం - నిరంతర సమర్ప మూలాంకనం (లిర్మాణాత్మక, సంప్రాణాత్మక)

## B.2 LANGUAGE - I URDU

(30 Marks)

### Content: 24 Marks

- مواد** مطاعم کا فہم:  
I) ان دیکھنے کی نظم  
II) جماعت اول تا ہشتم کی درسی کتابیں:  
A) سوائیں حیات اور ان کے ادبی کارناٹے  
B) سوائیں شعر اور دادا بکا تعارف  
C) اسباق  
D) اردو کے شعری اور نثری اصناف

- III**  
**زبان اشائیں:**  
(صرف اسباق سے متعلق)  
A) لفظیات

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

Qواعد  
B) علم بجا، مستغل کلمہ اور غیر مستغل کلمہ کے اقسام، صوتے مصحتی، جنس،  
تعداد، رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ تہشیہ،  
جملہ اور اس کے اقسام، ساختہ و لاحقہ

### Methodology 06 Marks

- تحٹانوی سطح پر زبان کی ترقی و تہذیم**  
سال اول: 1) زبان۔ سماج۔  
2) تحٹانوی سطح پر زبان کی استعدادوں کی ترقی۔  
3) درسی کتابیں۔ علم تدریس کا فہم۔  
4) مضبوطہ کرہ جماعت۔ زبانی اکتساب۔ اشتہاب۔  
سال دوم: 1) زبان کی تدریس۔ پنجے۔  
2) زبان کی استعدادوں کی ترقی۔  
3) زبان کے وسائل اور اس کا استعمال۔  
4) زبان کی ترقی کی کارکردگیاں۔  
5) زبان کے اکتساب متوuch نتائج۔ حکمت عملیاں

### B.3 LANGUAGE - I

HINDI      (30 Marks)

#### CONTENT (24 MARKS)

1. अवबोध : पठित - अपठित - पद्ध - गद्य
2. कवि -काव्य- रचनाकार -लेखक -रचनाएं
3. वर्णमाला: स्वर,व्यंजन,वर्ण विच्छेद,अक्षर,संयुक्ताक्षर, हिन्दूक्षर
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,
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 स्वरूप, साहित्य
- भाषा अधिगम
- भाषा शिक्षण के सूत्र
- पाठ योजना
- भाषा की शिक्षा और उपकरण
- व्याकरण की शिक्षा
- हिंदी में मूल्याकृण

## B.4 LANGUAGE - I KANNADA

### Content ( 24 Marks )

#### 1. ಕ್ಷಮಾವ ಶಿಳಪಳಕ :

ಎ) ಅಪರಿಚಿತ ಗಡ್ಡು

ಬಿ) ಅಪರಿಚಿತ ಪದ್ದು

#### 2. ಕನ್ನಡ ಪರಿಚಯಸ್ಕರಗಳು, ಜುಲರಕ ಹಾಲಾಳಲ್ಲಿನ ವಿಜಯಂಗಳು :

ಎ) ಕೆಲ್ಲ ಪರಿಚಯ

ಬಿ) ಕಾವ್ಯಗಳು

#### 3. ಪದಚಾಲ ಸಂಪತ್ತು :

ಎ) ಅರ್ಥಗಳು

ಬಿ) ಸದ್ಯಾನಾಧರಕ ಪದಗಳು

ಬಿ) ನಾನಾಧರಗಳು

ಬಿ) ನುಡಿಗಟ್ಟಿಗಳು

ಬಿ) ಸರ್ವಾರ್ಥಗಳು

ಬಿ) ಸಂಭಾಷಣೆಗಳು

ಬಿ) ಸಂಧಾರಣೆಗಳು

ಬಿ) ಸಂಧಾರಣೆಗಳು

ಬಿ) ಸಂಧಾರಣೆಗಳು

(ಡ್ರೈಸ್ಟ್ರಿಕ್ ಪ್ರಾಧಿಕಾರಿಗಳು, ಪ್ರಾಧಿಕಾರಿಗಳು, ಸುರಾಜು, ಅನುನಾಸಿಕಗಳು, ಸಂಯುಕ್ತರಗಳು, ರಿತ್ಯ ಇತ್ಯಾದಿ.)

ಬಿ) ಸಂಧಾರಣೆಗಳು - ವಾಚಿಕಾರಣಗಳು

ಕನ್ನಡ ಸಂಧಾರಣೆ, ಸಂಸ್ಕೃತ ಸಂಧಾರಣೆ

ಸಂಧಾರಣೆಯ ಪದಗಳನ್ನು ಬಿಡಿಸಿ ಬರೆಯುವುದು, ಪದಗಳನ್ನು ಸಂಧಿ ಮಾಡುವುದು.

ಬಿ) ಸಮಾಜಸಂಧಾರಣೆಗಳು - ವಾಚಿಕಾರಣಗಳು

ಎಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ಎಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮರಾಸ ಪದಗಳಾಗಿ ಜೋಡಿಸುವುದು.

ಬಿ) ಅಂದರಸ್ - ಸುರು, ಲಕ್ಷ್ಯಗಳ ಲಕ್ಷ್ಯಗಳನ್ನು ಸುರುತಿಸುವುದು.

ಬಿ) ಅಲಂಕಾರಗಳು - ಪಠ್ಯಮೂಸಕದಲ್ಲಿನ ಅಲಂಕಾರಗಳನ್ನು ಗುರ್ತಿಸುವುದು.

ಬಿ) ವಾಕ್ಯಗಳು - ವಿಧಗಳು - ಸಾಮಾನ್ಯ, ಸಂಂಪುರ್ಕ, ಇತ್ಯ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು.

### Methodology ( 6 Marks )

#### ಕನ್ನಡ ಭಾಷ್ಯ ಚೋಧನಾ ಪದ್ದತಿಗಳು :

- + ಭಾಷ್ಯ, ವಾಕ್ಯಶಾಸ್ತ್ರ ಚೋಧನೆ ಮತ್ತು ಚೋಧಕ : ಚೋಧನೆಯ ಉದ್ದೇಶಗಳು ಯಾತ್ರೆ ಸುರಿಗಳು.
- + ಭಾಷಾ ಕೌಶಲಗಳು - ಸಾಧಿಸಬೇಕಾದ ಸಾಮರ್ಥ್ಯಗಳು
- + ಚೋಧನಾ ಪದ್ದತಿಗಳು
- + ಯೋಜನೆಗಳ ರಚನೆ - ಸಂಪನ್ಮೂಲಗಳ ಬಳಕೆ
- + ಚೋಧನೆಯೊಪ್ಪಕರಣಗಳ ಮಹತ್ವ - ಪಾಠ
- + ವ್ಯಾಖ್ಯಾಪಾಠನ : ನರಂತರ ಸಮಗ್ರ ವಸ್ತೀಲ್ಪಮಾರ್ಪನ (ರಜನಾತ್ಮಕ ಮತ್ತು ಸಂಗ್ರಹಣಾತ್ಮಕ)

B.5 LANGUAGE - I      TAMIL      (30 Marks)

Content (24 Marks)

- I. புரிந்துகொள்ளுதல் - விதையளிக்குதல்

ಅ) ಅರ್ಥಾತ್ ಕಂತ್ಯಾಗಿ ಅ) ಅರ್ಥಾತ್ ಕಂತ್ಯಾಗಿ

ପ୍ରକାଶକ ମାନ୍ୟମତୀ

କାହିଁ ପରିଚୟ ଦିଲ୍ଲିମାନ କାହିଁ ପରିଚୟ ଦିଲ୍ଲିମାନ

ଅ) ଆଶୀର୍ବାଦ କୌଣସି ପରିମାଣରେ ଉଚ୍ଚ ପରିମାଣରେ ବାହୁଦାରୀ

卷之三

ಶ್ರೀರಂಪದಮಚಾ

卷之三

அ) சொற்பொருள்      ஆ) தொழைக்கொஸல்      இ) பிரித்து      எழுதுக

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

III. බෞද්ධ සිංහල :

394 வத்பாலை

அ) எழுத்து முதலெழுத்து, சார்பிடமுத்து) ஆ) காலம் இ) பால் ஏ) கிடம் உ) தீணை இன் முவகைப்போலி ஏ) நால்வடக்கச்சொற்கள் ஏ) வெற்றுக்கை உருபுட்டு ஜி புணர்ச்சி (கியல்பு, விகாரம்) ஒ) யாபு (அதையக்கை அதையாளம் காணலே) ஜி அனி செய்யளில் அதைமந்துள்ள அனினைய அதையாளம் காணி ஓரி தொடர்கள் (செய்வினை, உணர்ச்சி, கட்டமை, எதிர்மறை)

## Methodology (06 Marks)

အာရုံပိုက်ခေါ်သူများ၏ အဆင့်မြတ်ဆုံး အကျင့်အသွေး

ଶ୍ରୀ ପାତ୍ରମିଶ୍ର

முதலம் ஆண்டு D.Ed.

குயிழ் மொழிக்கீரன் வளர்த்தல்.

ପ୍ରକାଶକ ମନ୍ତ୍ରୀ

ପାଇଁଛିଲ୍ଲଙ୍କପାର୍ଶ୍ଵ ତଥାମାଝୁ ଡୋଟାନିଲାଏ

அடிப்படைத் தீற்றுண்கள் -

பாம் கற்பிப்புத் தீட்டம்.

ગુરું તથા દેવ

ପାତ୍ରିକା ଶବ୍ଦଗୀରେ ପାତ୍ରିକା ଶବ୍ଦଗୀ

படா ஏற்பாடு - சொற்களான்சியம் பெருக்குதல்.

துமிழ் மொழிக்கீழன் வளர்த்தல்.

ପାଠୀର ଅନ୍ତର୍ମାଣରେ କାହାରେ ଥିଲା

ପାରାମଣି ଜୀବନିକ୍ଷଣ ଜୀବନାଳ୍ଲି ଜୀବନାଳ୍ଲିହାନ୍ତିରେ

କେତେବୁଦ୍ଧି - ମହିପାଳିଟୁମ୍.

## B.6 LANGUAGE - I      ODI A      (30 Marks)

### Content : 24 Marks

### B.6 LANGUAGE - I      ODI A      (30 Marks)

#### 1. ଅବେଳାଧ ସମ୍ବନ୍ଧ :

(୧) ଅପରିହିତ ଦୟା ।

#### 2. ଶବ୍ଦାବଳୀ ସହିତ :

(୧) ଶବ୍ଦାବଳୀ / ଶବ୍ଦାବଳୀ ବାହିକା ।

#### 3. ଶବ୍ଦବ୍ୟାକ :

(୧) ଶବ୍ଦବ୍ୟାକ / ଶବ୍ଦବ୍ୟାକ ବାହିକା ।

#### 4. ଭାଷା ଉଦ୍ଦେଶ୍ୟ :

(୧) ଏବୋଲ୍ୟୁଟିଭ ଫାର୍ମ ।

(୨) ବିଜ୍ଞାନ ଓ ପାରିବାକ୍ଷରଣା ।

(୩) ବିଜ୍ଞାନ ଓ ପାରିବାକ୍ଷରଣା, ପାରିବାକ୍ଷରଣା ଓ ବିଜ୍ଞାନ ।

(୪) ବିଜ୍ଞାନ – ପାରିବାକ୍ଷରଣା – ବିଜ୍ଞାନ ।

(୫) ବିଜ୍ଞାନ – ପାରିବାକ୍ଷରଣା – ବିଜ୍ଞାନ ।

#### Methodology : 6 Marks

#### ପାଠ୍ୟାବଳୀ :

(୧) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୨) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୩) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୪) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୫) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୬) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୭) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୮) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

(୯) ମାନ୍ଦ୍ରାଷ୍ଟା ବିଜ୍ଞାନ ।

Content 24M

C. LANGUAGE – II ENGLISH

(30 Marks)

VOCABULARY		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	(General)	

## Methodology (6 Marks)

METHODOLOGY	LEVEL OF TESTING
<p>1. Aspects of language</p> <ul style="list-style-type: none"> <li>- English language history, nature, importance, principles of English as second language and</li> <li>- Problems of teaching / learning English</li> </ul> <p>2. Objectives of teaching English</p> <p>3. Development of language skills</p> <ul style="list-style-type: none"> <li>- Listening, Speaking, Reading and Writing (LSRW)</li> <li>- Communicative skills and imparting values through communication.</li> </ul> <p>4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching.</p> <p>5. Teaching of structures, vocabulary and grammar.</p> <p>6. Teaching learning materials in English</p> <p>7. Lesson planning</p> <p>8. Curriculum and textbooks – importance and need.</p> <p>9. Evaluation in English language</p>	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

## **Content (12 Marks)**

### **E. ENVIRONMENTAL STUDIES (30 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- Modes of 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 for an 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 and Animals (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**

Household materials with reference to profession (farmer, cobbler, tailor etc)- Different  
professions and their need to the society- villager/farmer (seeds/manure/agriculture 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, Vaggī 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; Bhakti 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
<b>Total</b>		<b>150 MCQs</b>	<b>150 Marks</b>

### **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, and social 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
- New trends and strategies in implementing inclusive education for CWSN

## B.1 LANGUAGE - I    TELUGU    (30 Marks)

### కంటెంట్ (24 మార్కులు)

1. పరుసావరాహన
  - ఎ) అపరిచిత పద్యం
  - బ) ఆపులచిత గద్యం
2. తెలుగు వాచకాలాలోని
  - ఎ) కపి పరిచయాలు   జ) విశేషాలు   సి) ఉడ్డెశాలు, ఇతివ్యాఖ్యలు   దీ) పుక్కియాలు
3. పదజాలం
  - ఎ) అర్దాలు   బ) పర్మాయిపదాలు   సి) పుక్కతి -విక్కతులు   దీ) నానార్థాలు
  - జ) జాతీయాలు   ఎవ్) సామెతలు   జి) పొదుపు కథలు   హెవ్) పుష్టిప్రశ్నలూ   బ) మాండపిక పదాలు
4. భాషాంశాలు
  - ఎ) భాషాబాగాలు   బ) కాలాలు   సి) లింగాలు   దీ) విజక్కలు   జ) పురుషులు   ఎవ్) విరామ లివ్సులు
  - ఎవ్) వచనాలు   బ) వ్యాకరణ పొంభాషిక పదాలు

జై) అక్షర విధాగం : ఆచ్చులు, హల్లులు, తీఖయాక్షరాలు, చ్ఛిత్తు, సంయుక్తాక్షరాలు, పరుషాలు, అనునాసికాలు, క్షేషిష్మములు, అంతస్థాలు, వర్ణయక్షరాలు, స్వరాలు, స్విరాలు,

డ) మగ్గెత్తుత్తులై సోనాలు:

ఎల్) సంధులు – విర్మాచనాలు

తెలుగు సంధులు - అత్యు, ఇత్తు, ఉత్తు, యుడ్యాగము, సర్ఫాదేశ, గసడదహాదేశ, ఆమ్మేడేశ, బ్యారుకట్టార, లా, ల, న, ల సంధులు

సంస్కృత సంధులు - సవర్ణిద్ర, గుజ, యుజాదేశ, వృభ్రసంధులు

సంధులకు సంబంధించిన పదాలను విడేషియడం సంధి చేయడం.

ఎవ్మ) సమాసాలు - విర్మాచనాలు

విగ్రహావాక్యాలను గుర్తించడం, విగ్రహావాక్యాలను సమాన పదాలుగా కూర్చుణం

ఎవ్) చందన్ము - గురు లఘువుల లక్షణాలను గుర్తించడం, చంపకమాల పద్య లక్షణాలు

ఎ) అలంకారాలు - పార్పుస్తకమునందులి అలంకారాలు గుర్తించడం.

ఖి) వాక్యాలు - రకాలు, కీయలు - రకాలు

తెలుగు బోధనా పద్ధతులు (6 మార్కులు)

ఎ) భాష - మాతృభాష, మాతృభాషా బోధనా లక్ష్యాలు

బ) భాషా సైపుణాలు - సాధించాల్సిన సాముద్రాలు

సి) బోధనా పద్ధతులు

డి) ప్రయోగిక రచన - పనిరుల జీవియోగం

జ) బోధనాభ్యాసం తమికరణాలు

ఎవ్) ముల్లాయంకనం - నిరంతర సమమర్ మూలాయంకనం (నిర్మాణాత్మక, సంగ్రహాత్మక)

## B.2 LANGUAGE - I URDU (30 Marks)

### Content: 24 Marks

#### مواد

- I مطالعہ کا فہم: (A) ان دیکھنے کا نظم  
(B) ان دیکھنے کا نظر
- II جماعت اول تا ہشتم کی درسی کتابیں:  
(B) سوانح حیات اور ان کے ادبی کارنامے  
(D) اردو کے شعری اور نثری اصناف

- III شعر اور دیبا کا تعارف (A)  
(C) اسباق  
(D) زبان شناسی: (صرف اسباق سے متعلق)  
(A) لفظیات  
☆ واحد جمع، اضداد، ہم وزن و ہم آہنگ الالفاظ، متراوف الالفاظ، الالفاظ کی معنی،  
مفراد الالفاظ، مرکب الالفاظ

(B) قواعد  
☆ علم بجا، مستقفل کلمہ اور غیر مستقفل کلمہ کے اقسام، صوتے مصعیب، جنس،  
تعداد، رموز و اوقاف، محاورے، ضرب الامثال، روزمرہ تہذیب،

جملہ اور اس کے اقسام، ساختہ و احقة

#### Methodology 06 Marks

- تحصانوی سطح پر زبان کی ترقی و تہذیب  
سال اول: 1) زبان۔ سماج۔  
2) تحصانوی سطح پر زبان کی استعدادوں کی ترقی۔  
3) درسی کتابیں۔ علم مدرسیں کا فہم۔  
4) منظوبہ کمہ جماعت۔ زبانی اکتساب۔ اخشاب۔

- سال دوم:  
1) زبان کی تدریس۔ پیچے۔  
2) زبان کی استعدادوں کی ترقی۔  
3) زبان کے وسائل اور اس کا استعمال۔  
4) زبان کی ترقی کی کارکردگیاں۔  
5) زبان کے اکتساب متوuch 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, हिन्दूक्षर
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, मित्रार्थी, 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 स्वरूप, साहित्य
- भाषा अधिगम
- भाषा शिक्षण के सूत्र
- पाठ योजना
- भाषा की शिक्षा और उपकरण
- व्याकरण की शिक्षा
- हिंदी में मूल्याकृण

## B.4 LANGUAGE - I    KANNADA Content ( 24 Marks )

### 1. ಕ್ಷಣಾವ ಶಿಕ್ಷಣವಾಕೆ :

ಎ) ಅಪರಿಚಿತ ಗಡ್ಡು      ಬಿ) ಅಪರಿಚಿತ ಪದದ್ಯ

### 2. ಕನ್ನಡ ಪಠ್ಯಪುಸ್ತಕಗಳು, ಪೂರ್ವಕ ಪಾಠಗಳಲ್ಲಿನ ವಿಜಯಿಗಳು :

ಎ) ಕೆಲ್ಲ ಪರಿಚಯ      ಬಿ) ಕಾವ್ಯಗಳು

### 3. ಪದಚಳಳ ಸಂಪತ್ತು :

- ಎ) ಅರ್ಥಗಳು      ಬಿ) ಸಹಾನಾಥರ್ಕ ಪದಗಳು      ನಿ) ನಾನಾಭರ್ತಗಳು
- ಬಿ) ತತ್ತ್ವ - ತದ್ವಾಪಗಳು      ಬಿ) ಸುಡಿಗಟ್ಟಿಗಳು      ಎಕ್ಕಾ) ಗಾದೆಗಳು
- ಜಿ) ಸಕರ್ಮರ್ಕ - ಅಕರ್ಮರ್ಕ ಪದಗಳು

### 4. ಭಾಷಾಂಶಗಳು :

- + ಕಾಲಗಳು, ಲಂಗಗಳು, ವಚನಗಳು
- + ವಿಭಕ್ತಿ ಪ್ರತ್ಯೇಕಿಯಗಳು, ಲೋಕನ ಚಿಹ್ನೆಗಳು, ಯಾರಿಫಾಷಿಕ ಪದಗಳು, ಮುರುಷಗಳು.  
(ಧ್ವನಿಗಳು, ವ್ಯಂಜನಗಳು, ಸರಗಳು, ಅನುನಾಸಿಕಗಳು, ಸಂಯುಕ್ತಕೆರಗಳು, ರ್ತ್ವಾ ಇತ್ಯಾದಿ.)
- + ಸಂಧಿಗಳು - ವ್ಯಾಖ್ಯಾನಗಳು
- ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
- ಸಂಧಿಗಳಿಗ ಸಂಬಂಧಿಸಿದ ಪದಗಳನ್ನು, ಬಿಡಿನ ಬರೆಯುವುದು, ಪದಗಳನ್ನು ಸಂಧಿ ಮಾಡುವುದು.
- + ಸಮಾನಗಳು - ವ್ಯಾಖ್ಯಾನಗಳು
- ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುತ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮಾನ ಪದಗಳಾಗಿ ಜೊಡಿಸುವುದು.
- + ಭಂಡಸ್ತು - ಸುರು, ಲಕ್ಷಣಗಳ ಲಕ್ಷಣಗಳನ್ನು ಗುರುತಿಸುವುದು.
- + ಅಲಂಕಾರಗಳು - ಪರ್ವತಮುನ್ಸಂಕದಲ್ಲಿನ ಅಲಂಕಾರಗಳನ್ನು ಗುತ್ತಿಸುವುದು.
- + ವಾಕ್ಯಗಳು - ವಿಧಗಳು - ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಏಲ್ ವಾಕ್ಯಗಳನ್ನು ಗುತ್ತಿಸುವುದು.

## Methodology ( 6 Marks )

### ಕನ್ನಡ ಭಾಷಾ ಜೊಡನಾ ಪದ್ಧತಿಗಳು :

- + ಭಾಷೆ, ಪಾಠ್ಯಭಾಷೆ ಜೊಡನೆ ಪ್ರತ್ಯೇಕಿ : ಜೊಡನೆಯ ಉದ್ದೇಶಗಳು ಮತ್ತು ಸುರಿಗಳು.
- + ಭಾಷಾ ಕೌಶಲ್ಯಗಳು - ಸಾಧಿಸಬೇಕಾದ ಸಾಮಾಧ್ಯಗಳು
- + ಜೊಡನಾ ಪದ್ಧತಿಗಳು
- ಯೋಜನೆಗಳ ರಚನೆ - ಸಂಪನ್ಮೂಲಗಳ ಬಳಕೆ
- + ಜೊಡನೆಯೇ ಪಕರಣಗಳ ಮಹತ್ವ - ಪಾಠ.
- + ಪರ್ವತಮೂರ್ಚಣ : ನರಂತರ ಸಮಗ್ರ ವ್ಯಾಲ್ಯುಮಾರೆನ (ರಚನಾತ್ಮಕ ಮತ್ತು ಸಂಗ್ರಹಣಾತ್ಮಕ)





## C. LANGUAGE – II    ENGLISH

(30 Marks)

### Content (24 Marks)

VOCABULARY	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
<p>1. Aspects of language</p> <ul style="list-style-type: none"> <li>- English language history, nature, importance, principles of English as second language and</li> <li>- Problems of teaching / learning English</li> </ul> <p>2. Objectives of teaching English</p> <p>3. Development of language skills</p> <ul style="list-style-type: none"> <li>- Listening, Speaking, Reading and Writing (LSRW)</li> <li>- Communicative skills and imparting values through communication.</li> </ul> <p>4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching.</p> <p>5. Teaching of structures, vocabulary and grammar.</p> <p>6. Teaching learning materials in English</p> <p>7. Lesson planning</p> <p>8. Curriculum and textbooks – importance and need.</p> <p>9. Evaluation in English language</p>	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

## **Content (12 Marks)**

### **E. ENVIRONMENTAL STUDIES (30 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- Modes of 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 for an 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 and Animals ( 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 and their need to the society- villager/farmer (seeds/manure/agriculture 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 LIVELHOODS**

- 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, Vaggji 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; Bhakti 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
	<b>Total</b>	<b>150 MCQs</b>	<b>150 Marks</b>

#### 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 Childhood, adolescence.
- Understanding Development — Piaget, Kohlberg, Chomsky, Carl Rogers, Erikson
- Theory of emotional Intelligence — Daniel Goleman
- 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, Habit, intelligence, creativity, Values, level of aspiration, self concept, achievement, Learning styles.
- A) Intelligence:** Concept and meaning of intelligence, Definitions, Types of intelligence, Theories of 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. Types of aptitude, Measurement of aptitude, Uses of aptitude test.
- C) Interest:** Concept and meaning of interest, Definitions, Characteristics of interest Measurement of interests. 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 and factors 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, Maslow'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 perceptual organization, 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 Group learning
- Issues and concerns with respect to organizing learning in class room like Study habits, Self learning and Learning to learn skills.
- Organizing learning in heterogeneous class room groups — Socio-economic background, Abilities and 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-threatening learning environment, Managing behaviour problems, Guidance & Counselling, Punishment and its legal implications, Rights of a child, Time Management.
- Distinction between Assessment for Learning & Assessment of Learning.

#### **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) పరిమావాలు :

ఎ) అపులజిత పద్ధుం / ఆషటిచిత గద్దుం

2) 6 వ తరగతి నుండి 10 వ తరగతి పరకూ తెలుగు వాచుకాలు :

ఎ) ప్రకీర్తియలు – లక్ష్యాలు

బ) కప్పులు – రచయితల పరిచయం

సి) బిసేషాంశాలు

డి) జిల్లిష్టులు

ఐ) నేపథ్యాలు

ఎప్ప) ఉడ్డేశాలు

3) పదుజ్ఞాలం : - (1 మండి 10వ తరగతి సాయి పరకు)

ఎ) అర్ధాలు జి) పర్యాయపదాలు సి) నానార్ధాలు డి) ఖ్యాత్పుత్రాలు

ఐ) ప్రక్కుతి – విక్తులు ఎప్ప) జూళియాలు జి) సామేతలు హెచ్) పొందుపు కథలు

ఔ) మాండులిక పదాలు

4) బూపొంశాలు

ఎ) వ్యాకరణ పాలిభాషిక పదాలు

(తత్త్వముం, తద్దువుం, ఆగమం, ఆదేశం, నిత్యం, వికల్పం, బహుళం, దుత పుక్కలికం, పొతిపుచిక, పుత్తుయం, భాషాభాగాలు, విభక్తులు మొదలగునవి.)

జ) సంధులు – నిర్వచనాలు

సంస్కృత – సంపర్చిం, గుణ, మృద్మి, యజ్ఞాదేశ సంధులు మాత్రమే తెలుగు – అత్సు, ఇత్తు, ఉత్తు, యమడాగమ, ఆమ్మెడిత, బ్యారుక్కుటార, దృతపుక్కలిక/సరళాదేశ, గనుడుధవాదేశ సంధులు మాత్రమే

సి) సమాసాలు – నిర్వచనాలు

ద్వంద్య, బ్యారు, తత్త్వారుప, కర్మారయ, జపుల్చిహి, అవ్యాయాభావ సమాసాలు

డి) చందన్సు – మంత్రములు

ఉత్సులమూల, చంపకమూల, శార్యాలం, మత్తేభూ

ఎ) అలంకారాలు

శబ్దాలంకారాలు ( వృత్త్యనుప్రాస, చేకానుప్రాస, లాటోను ప్రాస, అంత్యానుప్రాస, యముకము, ముక్కపుద్రస్తుము ) అర్ధాలంకారాలు ( ఉపమూ, రూపక, ఉత్సైష్, అతిశయ్యోక్షి )

ఎప్ప) కీర్తయలు రకాలు - కౌర్మార్థం, చేదర్థకం మొదలగునవి.

ఐ) వాక్యాలు భేదాలు

(సామాన్సు, సంయుక్త, సంలోష్ణ, ఆశ్చర్యార్థక, పుశ్చార్థక, కర్తల, కర్మణి, వ్యుతిరేకార్థక వాక్యాలు, పుత్తుక్క పరోక్ష కథనాలు మొదలగునవి.)

## B.2 LANGUAGE - I URDU (30 Marks)

- I مطالعہ کا فہمی: A) ان دیکھانشہ کی نظر  
B) ان دیکھنی نہیں
- II پھری جماعت تا دوپیں جماعت کی درستی کرتا ہے:  
A) اضافہ اور ان کی خصوصیات  
B) شعراء و ادباء کا تعارف  
C) سوانح حیات اور ادبی کارناتا میں (صرف کتاب میں موجود مواد)
- III زبان شناسی (صرف کتاب میں موجود مواد)  
A) لفظیات  
☆ واحد جمع، اضداد، ہم وزن و ہم آہنگ، اخناڑا، مترادف، اخناڑا، اخناڑا کی معنی، مفردا الفاظ، مركب الفاظ
- ☆ علم، جما، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے، مصمتے، جنس، تعداد، قواعد (B)
- ☆ علم، جما، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے، مصمتے، جنس، تعداد، روزہ و اتفاف، محادرے، ضرب الامثال، روزمرہ، تشبیہ، جملہ اور اس کے اقسام ساختہ و احتہ

### 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)

ପ୍ରକାଶନ କେନ୍ଦ୍ର

- ಒ) ಅಪರಿಚಿತ ಗಡ್ಡೆ

2. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿ ಕಲ್ಪಿತ ಪ್ರಕ್ರಿಯೆಗೆ ಮುರಿರುವ ವಾತಾವರಣ ವಿಷಯಗಳು :

3. విజ్ఞాన పత్రిక

- ಎ) ಅರ್ಥಾಗಳು

ಇ) ಸಮನಾರ್ಥಕ ಪದಗಳು

ಈ) ನಾನಾರ್ಥಗಳು

ಜ) ಸುಜಿಗಳು

ಖ) ಸರ್ವತ್ವಾಗಳು

ಯ) ಸರ್ವತ್ವಾಗಳು

ಔ) ಲೋಕೋಕಗಳು

4. ବ୍ୟାକ୍ସନେସନ୍ ପରିମାଣ :

- + ವಾಕ್ಯರಲ್ಲಿ ಹಾರಿಭಾಷಿಕ ಪದಗಳು (ತಾತ್ಪರ್ಯ, ತಾತ್ಪರ್ಯ, ತಾತ್ಪರ್ಯ, ಅನಿಯೋಜನೆ, ವಾಕ್ಯ ಪದಗಳು, ವಿಭಾಗಗಳು)
  - + ಸಂಧಿಗಳು - ಅಭಿಖ್ಯಾನಗಳು
  - + ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು
  - + ಸಂಧಿಗಳು ಗುರುತಿಸುವಿಕೆ, ಸೂಲತಗಳ ಅನೇಯ
  - + ಸಮಾಸಗಳು - ವಾಚಿಕನಗಳು
  - + ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಗುರ್ತಿಸುವುದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನೀರಿ, ಸಮಾಸ ಪದಗಳಾಗಿ ಜ್ಯೋತಿಷಮಾನವುದು.
  - + ಸಂಬಂಧಸ್ವರೂಪ - ವಾಚಿಕನಗಳು
  - + ಪ್ರಾಣಿ - ವಿಧಗಳು, ಮರುತ್ತಾಗಣ, ಅಕರ್ಬಗಣ ಮತ್ತು ವ್ಯಾತಿಗಳು.
  - + ಅಲಂಕಾರಗಳು - ಶಬ್ದಲ್ಲಿಂಂಥರ ಮತ್ತು ವಿಧಗಳು, ಅಕಾರಲಂಂಕಾರ (ಅಂಧನ, ರಾಘವ, ಪ್ರಾಣಿ, ಲುತ್ತೀಕ, ಅಶೀರ್ಯಾಲ್ಯಾಟ, ಅಲಂಕಾರಗಳೇಕೆ ಅಲಂಕಾರಗಳು)
  - + ಕೌರುಪದ - (ಸಕಾರಾತಕ, ನಿಷೇಧಾತಕ, ಅಕರ್ಬಪದಕ, ಸಕರ್ಮಾತಕ ಕೊಯಂಪದಗಳು)
  - + ವಾಕ್ಯಗಳು - ವಿಧಗಳು (ಸಾಂಪ್ರದಾಯಿಕ, ಸಂಯೋಜನಿಕ, ಪ್ರಾಣಿ, ಲುತ್ತೀಕ, ಪ್ರಾಣಿಪದಕ, ವಿರುದ್ಧಾತಕ, ಸರೈಲೋಕ, ವಾಕ್ಯಗಳು)

**B.5 LANGUAGE - I      TAMIL      (30 Marks)**

- I.    புரிந்துகொள்ள வேண்டியவித்தல்
- அ) அறியாச் செய்யுள்      ஆ) அறியாப் பத்தி
  - இ) 6 ஒடு ம் வா கு ப் யி வி ரு ந் து 10 ஒடு ம் வா கு ப் யி வா கூ த மி ட் யாப்படித்தகத்திலுள்ள அமைன்தும்.

அ) முறைகள் - பண்டுகள்      ஆ) கவிஞர், புலவர் ஆசிரியர் குறிப்பு

இ) சிறப்பு அம்சங்கள்

III.    சொல்லவாக்கம் :

- அ) சொற்பொருள்      ஆ) ஒருசோல் பலபொருள்      இ) ஒருபொருள் பலசோல்
- ஏ) இருபொருள்      உ) சேர்த்து எழுதுக      ஓ) பிரித்து எழுதுக
- எ) நிறுத்தற்கறிகள்      ஏ) வழக்கு      ஷ) வழு      ஓ) மரபுத்தோடு
- ஐ) பிறவொழி சொல்லுக்கு தயிழ்ச்சோல்

B.6 LANGUAGE - I      ODIଆ

(30 Marks)

## B.7 LANGUAGE - I      SANSKRIT

(30 Marks)

1. पठनावगमनम्: परिचितशलोकः - प्र॒ज्ञा:  
परिचितग्रधम् - प्र॒ज्ञा:
2. कवयः - काव्यम् - रचयितारः - रचनाः |
3. पाठ्यप्रक्रिया: पद्य - गद्य - चर्मू - दण्डक - शतक - आत्मकथा - इत्यादयः
4. पाठ्यांशाधारितप्र॒ज्ञा:
5. भाषांशाः समानार्थक  
विच्छार्थक  
सन्धि  
समास  
छन्दः:  
अलङ्कारः  
विअक्ति

## C. LANGUAGE – II      ENGLISH      (30 Marks)

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

## D.1 MATHEMATICS AND SCIENCE (60 Marks)

### D. 1.1 MATHEMATICS

#### 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 –  $n^{\text{th}}$  term of an Arithmetic progression – Sum of first  $n$  terms in Arithmetic progression – Geometric progressions –  $n^{\text{th}}$  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

## **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, Electropolating, 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 Orbitals, 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, Mendelev'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, Climographs, 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 Tipu 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 Passeley, 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 Hitler, 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  
  - కన్నలు, కాలం, రచనా విశేషాలు, అరుదులు, ఇతివుత్తం, పాతలు, విశేషంశాలు, వివిధ పుక్కియలు
  - ఆధునిక కవిత్వ దీర్ఘములు, లక్షణాలు
- 2) భాషా చరిత్ర
  - మూరండులక భాష - స్వభావం, ఉత్సుకి, భేదాలు
  - బ్రాంథిక భాష -ప్రావుషాలక భాష - ఆధునిక ప్రామాణిక భాష
  - అర్థ విపరిణామాలం
  - ధ్వని - ధ్వన్యుత్సుక్తి స్థానాలు
  - కొవ్వు - నిర్వచనం - కావ్య పుట్టెయింజనం - కథలు హేతువులు - శైలి - సంస్కృత, వాస్తువ్య లాక్షణికుల సీద్యాంతాలు
- 3) సాహిత్య విమర్శ  
  - 1) 6 నుండి 10 వ తరగతి వరకు పొర్చుపున్కాలలోని అంశాలు:  
పొర్చుభాగ నేపథ్యాలు, ఉద్దేశాలు, సందర్భాలు, పాతలు, కవి పరిచయాలు, జతి మృత్యులు, పుక్కియలు
  - 2) పురజాలం
  - 3) భాషాంశాలు
    - సంధులు, సమాసాలు, చందనస్సు (జ్ఞాతులు, ఉపజ్ఞాతులు, మృత్యులు), అలంకారాలు ( శబ్ద, అర్థాలంకారాలు ), పదం, ప్రాతిపదిక, భాషాభాగాలు, విభక్తులు, వాస్కరణ పొరిఖాషిక పదాలు (పరుషాలు, నిత్యం, తత్త్వముం, ఉపదా, ద్రుతపుక్కతికం, కళలు, మహాత్మలు, కాలాలు, లింగములు, కీయలు రకాలు, వాక్య భేదాలు మొదలైనవి).
    - 4) పురనావగాహన  
అపరిచిత పద్యం / అపరిచిత గర్దుం  
ను బోధనా పుద్దతులు (12 మూర్ఖులు)
      1. భాష - వివిధ భాషనలు
      2. భాషానైపుణ్యాలు
      3. పుణ్యాల్మికా రచన - పొర్చు గ్రంథాలు
      4. విద్యా సాంకేతిక భాస్తుం - సహా పార్శ్వ కార్యక్రమాలు
      5. సాహిత్య పుక్కియలు - బోధనా పద్ధతులు
      6. ముల్యాంకనం -పరీక్షలు

## Content (48 Marks)

### D.4 ENGLISH (60 Marks)

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

<b>Linkers</b>	Linkers
<b>Transformation of Sentences</b>	Simple, Compound and Complex Sentences
<b>Common Errors</b>	Based on all Vocabulary and Grammar Topics
<b>CONVENTIONS OF WRITING</b>	<b>LEVEL OF TESTING</b>
Punctuation AND Capitalization	Use of capital letters, comma, full stop, question mark, exclamation mark and inverted commas
<b>COMPOSITION</b>	<b>LEVEL OF TESTING</b>
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
<b>READING COMPREHENSION</b>	<b>LEVEL OF TESTING</b>
Prose	Prose (GENERAL)
<b>LITERATURE</b>	<b>LEVEL OR AREA OF TESTING</b>
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
<b>Literary Comprehension</b>	<b>LEVEL OR AREA OF TESTING</b>
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)	<ul style="list-style-type: none"> <li>■ 1. The Bet (Anton Chekhov)</li> <li>■ 2. Engine Trouble (R. K. Narayan)</li> </ul>

### Methodology (Marks: 12)

METHODOLOGY	LEVEL OR AREA OF TESTING
<ol style="list-style-type: none"> <li>1. Aspects of language <ul style="list-style-type: none"> <li>- English language history, nature, importance, principles of English as second language and</li> <li>- Problems of teaching / learning English</li> </ul> </li> <li>2. Objectives of teaching English</li> <li>3. Development of language skills <ul style="list-style-type: none"> <li>- Listening, Speaking, Reading and Writing (LSRW)</li> <li>- Communicative skills and imparting values through communication.</li> </ul> </li> <li>4. Approaches, methods and techniques of teaching English (Introduction, definition, types of approaches, methods and techniques of teaching including remedial teaching.</li> <li>5. Teaching of structures, vocabulary and grammar.</li> <li>6. Teaching learning materials in English</li> <li>7. Lesson planning</li> <li>8. Curriculum and textbooks – importance and need.</li> <li>9. Evaluation in English language</li> <li>10. Pronunciation, Phonetics and Phonetic Transcription</li> </ol>	Detailed and deep understanding with application in broader sense.

## D.5 URDU (60 Marks)

### Content (48 Marks)

- I اردو ادب کی تاریخ:
- نوبت: پھٹی جماعت تا دسویں جماعت کی درستی کرتا ہے
- ☆ شعر اردو باؤ کی سوانح حیات اولیٰ کا راستے اور ان کے کرداروں کا جائزہ
  - ☆ تصانیف، اسپاہ کے مرکزی خیالات پر منظر
  - ☆ خطابات اور القاب
  - ☆ جدید شاعری کی خصوصیات
- II اضافہ ادب کا تفصیلی مطالعہ:
- ☆ مد، مناجات، نعت، غزل، نظم، رباعی، مرثیہ، قصیدہ، گیت، مشنوی
  - ☆ افسانہ، ڈرامہ، خطوط نویسی، انشایہ، مضمون، سوانح خود نویش، سفر نامہ، کہانی
- III زبان کی تاریخ:
- ☆ اردو زبان کی ابتداء میں ہم ماہیت ارشادی، عوامل
  - ☆ اردو زبان کی ابتداء اور مختلف نظریات
  - ☆ زبان اور اس کے اقسام
- IV ☆ اردو زبان کی مبادیات، حروف تہجی، اعراب، مخابر، صوتیاتی نظام
- V مطالعہ کا فہم: A) ان دیکھاڑھر (B) ان دیکھنے لزم
- VI زبان شناسی:
- جماعت اول تا دهم کی درستی کرتا ہے
- (A) لفظیات
- ☆ واحد جمع، اضداد، نہم، وزن و نہم، آنگ، الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ، تکرار الفاظی۔

(B) قواعد علم بجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوّتے مصیّبے، جبن، تعداد، حروف مشی و قمری رموز و اوقاف، معاوِرے ضرب الامثال، روزمرہ تپیه، جملہ اور اس کے اقسام ساپنہ و الحثہ، علم عرض، علم بیان، علم خود، علم اعداء، اسم کی حالتیں، صفتیں، مرکب تو صفتی، ترکیب تو صفتی، ترکیب اضافی۔

### Methodology (12 Marks)

- (B.Ed) اردو طریقہ دریس کی کتاب
- (A) اردو کے مدرسی مقاصد۔
  - (B) زبان اور اس کی مہاریں۔
  - (C) اردو معلم اور مدرس، اردو زبان کے مدرسی طریقے۔
  - (D) نصابی اور ہم نصابی مشاغل۔
  - (E) مدرسی آلات۔
  - (F) اردو کی ترقی و فروغ میں معاون ادارے۔
  - (G) مدرسیں اور اس بات کی منصوبہ بنندی۔
- I) جائج۔

## D.6 HINDI

### (60 Marks)

#### Content: (48 Marks)

1. कवि- लेखक -रचनाएं -विषय वस्तु-पृष्ठभूमि- चरित्र चित्रण भाषा शैली आदि।
2. साहित्यिक विधाएं और उनकी विशेषताएं
3. हिंदी भाषा का . उद्देव 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, तद्देव, क्रिया -सकर्मक क्रिया, अकर्मक क्रिया, मुहावरे, कहावतें, अनुवाद , मानक शब्द, श्रुतिसम्प्रिनार्थ 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 सूत
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 विधियाँ
3. (1) शिक्षण में भाषा कौशलों का महत्व  
(2) भाषा कौशलों का विकास: ध्वनि की उत्पत्ति- ध्वनि और श्रवण का पारस्परिक संबंध,  
बोलना : शब्दोच्चारण,वाग्यन्त्र 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, डालन, 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, ಪಾಠ್ಯಗಳು, ವಿಶೇಷ ಅಂಶಗಳು, ಎಷಿಫ ಪಕ್ಷಿಯೆಗಳು - ವಾಸ್ತವನಗಳು
  - + ಆಧುನಿಕ ಸಾಹಿತ್ಯ ಧೈರ್ಯರಕೆಗಳು, ಲಕ್ಷಣಗಳು.
- 2. ಭಾಷಾ ಚರಿತ್ರೆ :**
  - + ಗ್ರಂಥಿಕ ಭಾಷೆ, ಪ್ರಪಂಚಾರ್ಥಿ ಭಾಷೆ, ಆಧುನಿಕ ಭಾಷೆ.
  - + ಡೆಸ್ಟ್ರಿ - ದ್ವಾರ್ಪಂಗಗಳು, ಉತ್ತರ್ವ ಸಾಫ್ತ್ವ ಸಾನಗಳು.
- 3. ಸಾಹಿತ್ಯ ವಿಜ್ಞಾನ :**
  - + ಕಾವ್ಯ, ವಾಸ್ತವಾನ, ಕಾವ್ಯ ಪ್ರಯೋಜನ, ಕವಿತ್ವ, ಶೈಲಿ, ರೀತಿ, ಸಂಸ್ಕೃತ ಪಾಠ್ಯಗಳ ಲಾಕ್ಷಣಿಕರು, ಅವರ ಸಿದ್ಧಾಂತಗಳು
- 4. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿಯವರೆಗೂ ಇರುವ ಪರ್ವತಮಾಸದಲ್ಲಿರುವ ಅಂಶಗಳು**
  - + ಪರ್ವ ಭಾಗದ ಹಿನ್ನಲೆ, ಸಂದರ್ಭಗಳು, ಪಾಠ್ಯಗಳು, ಕೆಲ ಪರಿಚಯ, ನಿದರ್ಶನಗಳು.
- 5. ಪದಜಾಲ :** ಅಧ್ಯಾತ್ಮಗಳು, ಸಮನಾಧರಕ ಪದಗಳು, ನಾನಾಧ್ಯಾತ್ಮಗಳು, ವ್ಯಾಖ್ಯಾ ಅಧ್ಯಾತ್ಮಗಳು, ತತ್ವಜ್ಞಾನಗಳು, ಗಾದೆಗಳು, ಲೋಕೋಕ್ತಿಗಳು.
- 6. ಭಾಷಾಜಾಂಶಗಳು :** ಸಂಧಿಗಳು, ಸಮಾಸಗಳು, ಭಂದಸ್ತು (ಮಾತ್ರ, ಅಕ್ಷರ, ಅಂಶಗಳ ಭಂದಸ್ತು) ಅಲಂಕಾರಗಳು, (ಅಭ್ಯಾಸಾಲಂಕಾರ, ಅಧಾರಲಂಕಾರ). ಧಾತು, ಭಾಷಾಂಶಗಳು, ವಿಭಾಗ ಪ್ರತ್ಯೆಯಗಳು, ಪಾರಿಭ್ರಾಹಿಕ ಪದಗಳು, ದೇಶೀಯ, ಅನ್ವಯಿತೀಯಗಳು, ಕಾಲಗಳು ಲಂಗಾಗಳು, ಕೆಯಾಪದದ ವಿಧಗಳು, ಯಾಕ್ಷದ ವಿಧಗಳು ಇತ್ಯಾದಿ.
- 7. ವಾಚನ / ಸ್ವದ್ಯ ಅವಾಳಾಹನ : ಅಪರಿಚಿತ ಪದ್ಯ / ಅಪರಿಚಿತ ಗದ್ಯ**

#### Methodology ( 12 Marks )

##### ಕನ್ನಡ ಭಾಷಾ ಚೈರೋಧನಾ ಪದ್ಯಗಳು :

- + ಭಾಷೆ - ಇಷಿಫ ಭಾಷನೆಗಳು
- + ಭಾಷಾ ಕೌಶಲ್ಯಗಳು - ಸಾಧಿಸಬೇಕಾದ ಸಾಮರ್ಥ್ಯಗಳು
- + ಪರ್ವತಮ / ಯೋಜನೆಗಳ ರಚನೆ.
- + ಸಹಪತ್ರ ಚರ್ಚೆಯವರೆಗಳು
- + ಸಾಹಿತ್ಯ ಪಕ್ಷಿಯೆಗಳು, ಮೊದ್ಯಾಧನಾ ಪದ್ಯಗಳು - ತಂತ್ರಗಳು.
- + ಮೌಲ್ಯಮಾಪನ - ಪರಿಕ್ಷೇಗಳು.

## D.8 TAMIL

### (60 Marks)

#### Content (48 Marks)

- I. **தமிழ் ஒலைக்கீழ வாலாறு :**
- \* புலவர்கள், காளியங்கள் - பிற படைப்புகள் - விருதுகள் - வாழ்க்கை குறிப்புகள், கதாபாத்திரங்கள் - சிறப்பு அம்சங்கள் - பல்வேறு முறைகள் - கையக்கருத்து.
  - \* நீர்க்கால கவிஞரை நடை - பண்புகள் - கவிஞர்கள்
- II. **மொழி வரலாறு :**
- \* வட்டார மொழி - பண்டு, பிறப்பு, பணி) கிளைமொழி - பொதுமொழி - சிறப்புமொழி - குறுமொழி - குழந்தை மொழி - நாங்கள் கால மொழி - உணர்க்கி - அறிவு செயல் மொழி - மொழியின் பண்பாடு - போலச் செய்தல் - மொழி இனங்கள் - ஒருபொருட் கிளவிகள் - அழியும் மொழிகள் - தீராவிட மொழியினம்.
  - \* எழுத்து மொழி - பேச்சு மொழி
  - \* \* பிறமொழி
  - \* ஒளி மாற்றம் - பொருள் வேறுபாடு - எழுத்து பிறப்பு இபங்கள்.
- III. **இலக்கிய தீற்றுவம்சி :**
- \* இலக்கியங்கள் - வரையறைகள் - இலக்கிய நூலைகளின் பயன்கள் - நன்மையிகள் - மொழிநடை - கலைக்காராங்கள் - பண்புகள் - வீதிகள்.
- \*\*\*\*\*/\*\*\*\*\*
- I. **வலிருந்து 10இலம் வகுப்பு வகையுள்ள தமிழ்ப் பாடநாலிலுள்ள பாடப்பொருள்.**
- \* பாட கையப்பக்கருத்து, நிகழ்வுகள், கதாபாத்திரங்கள்.
  - II. **சொல்லொக்கும் :**
  - \* அருங்கலைப்பாருள், இருகிசல் பலவொருள், ஒருபொருடால், தொகைக்கொல், பிரித்து எழுதுக, கோத்து எழுதுக, இருபொருள்.
- III. **மொழித்திறன் :**
- \* பதம் - பகுபதம் - பகாப்பதம் - காலம் - பால் - விளை வகைகள் - வாக்கிய வகைகள்
  - \* புணர்க்கி பொடப் புத்தகத்திலுள்ளாலே மட்டும்
  - \* அணி ஓவைம, பிறிதுமொழிதல், வேற்றுகைம, பின்வருந்தே அணி
  - \* வினா வினாவிலுள்ள அணைத்து வகைகள் வழு, வழாநிகை - ஆகுபெயர்
  - \* வேற்றுகைம - இலக்கண குறிப்பு
- IV. **புரிந்துகொள்ளுதல் - விளையளித்தல்**
- \* அறியா செய்யுள், அறியா புத்தி.

#### Methodology (12 Marks)

1. மொழி - பல்வேறு கருத்துக்கள்.
2. மொழித் தீற்றுகள்.
3. தீட்டமிடுதல் - பாடப்புத்தகங்கள்.
4. கல்வி கிடையில் நுப்பவியல் - துணை கல்விச் செயற்பாடுகள்.
5. இலக்கிய செயல்முறைகள் - கற்பித்தல் முறைகள்.
6. மதிப்பீடு மற்றும் தோவுகள்.



### Content (48 Marks)

#### D.9 SANSKRIT (60 Marks)

1. पठनाप्यग्रान्तम् : परिचितशलोकः - प्रश्ना;

परिचितग्रान्तम् - प्रश्ना;

2. कृत्यदः काल्पनि, रचनितारः, रचनाः;

3. पाठ्यक्रिया: - पद्य - गद्य - चम्पू - दण्डक, शतक - आवाकथा - हस्तादयः;

4. पाठाधारितप्रश्नाः;

5. आषांशा: समालोचकाः;

विश्वार्थकाः;

सन्निधः;

समादाः;

प्रज्ञः;

अलङ्कारः;

विआगिः;

क्रियापदम्

प्रत्ययाबन्ताः

व्युत्पत्त्यर्थः;

6. अनुचादः: आङ्गूलभाषातः संस्कृताभाषा

#### Methodology(12 Marks)

आषा - आवना;

आषा - वैपुष्यम्

पाठ्यक्रमयोजना-पाठ्यग्रन्थः;

विद्या - वांकेतिवशास्त्रम् - सहपाठ्यकार्यक्रमः  
बोधनाप्रकृतीः

मूल्याङ्कनम् - परीक्षा च

## **Teacher Eligibility Test – 2024**



## **PAPER – II(B)**

### **Structure and Content**

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

### **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 and social 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: IDEC (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) పరిచారావును :

ఎ) లవంచిత పద్యం / అపలచిత గద్యం

2) 6 వ తరగతి నుండి 10 వ తరగతి పదకూ తెలుగు వాచనకాలు :

ఎ) శ్లోకములు – లక్షణాలు జ) కవులు – రచయితల పరిచయం

సి) విశేషంభాలు డి) జితివుల్లాలు

ఐ) సేవకాలు

3) పదజాలం : - (1 నుండి 10వ తరగతి సొంయ పరకు)

ఎ) అర్థాలు బ) పర్మాయపదాలు సి) నానార్థాలు డి) వ్యుత్పత్తాలు

ఇ) ప్రకృతి – విక్రుతులు ఎవ్) జ్ఞాతీయాలు జి) సామెతలు హాచ్) పాంచుపు కథలు

ఐ) మాండలిక పదాలు

4) భాషాంభాలు

ఎ) వ్యాకరణ పాఠభాషిక పదాలు

(తత్త్వము, తథ్యము, ఆగము, ఆదేశం, విత్తుం, వికల్పం, బహుళం, తుత ప్రకృతికం, ప్రాతిపదిక, పుత్తుయం, భాషాభాగాలు, విభక్తులు మొదలగునవి.)

జి) సందులు – విర్మాణాలు

సంస్కృత - సువర్ధిష్ట, రుష, శుభై, యటాదేశ సందులు మాత్రమే

తెలుగు - అత్మ, ఇత్త, ఉత్త, యత్స, యత్సాగమ, ఆశ్చేష, ద్విరుక్ఫతిక/సరళాదేశ, గుండడుదూదేశ సందులు మాత్రమే

సి) సమాసాలు – నిర్వచనాలు

ద్వంద్మ, ద్విగు, తత్తురుపు, కర్మధారయు, బహుఖీపి, అప్పుయాభావ సమాసాలు

డి) చుండనుు - వృత్తములు

ఉత్పులమూల, చంపకమూల, శార్యాలం, మత్తిభం

ఇ) ఆలంకారాలు

శభాలంకారాలు ( వృత్తసుశ్రావు, చేకానుశ్రావు, లాటూను ప్రోసు, అంత్యసుశ్రావు, యమకము, ముక్కవద్రస్తము) ఆలాలంకారాలు ( ఉపుమూ, రూపుక, ఉత్సైకు, అతిశయ్యాకు )

ఎవ్) క్రియల రకాలు - కౌర్చుం, చేద్దరకం మొదలగునవి.

జి) వాక్యాలు శేషాలు

(సామాన్య, సంయుక్త, సంశోషింపు, ఆశ్చర్యరక, పుశ్చార్థక, కర్తల, కర్మణి, వ్యుతిరేకారక వాక్యాలు, పుత్తుక్క పరిశీక్ష కథనాలు మొదలగునవి.)

B.2 LANGUAGE - I

(30 Marks)

URDU

<p><b>I</b></p> <p>مطالعہ کا نام: A) ان دیکھانہ B) ان دیکھنے کا نام</p>	<p><b>II</b></p> <p>چھٹی جماعت تا دوئی جماعت کی دری کتابیں</p>
<p><b>A</b>) اضافہ اور ان کی خصوصیات</p>	<p><b>B</b>) شعر اور دیبا کا تعارف</p>
<p><b>C</b>) سوانح حیات اور ادبی کائنات میں موجود موارد</p>	<p><b>III</b>) زبان شناسی</p>
<p>(صرف کتاب میں موجود موارد) A) لفظیات</p>	<p>☆ واحد جمع، اضداد، تم وزدن و تم آہنگ الفاظ، مترادف الفاظ، الفاظ کی معنی، مفرد الفاظ، مرکب الفاظ</p>
<p><b>B</b>) قواعد</p>	<p>☆ علم بجا، مستقل کلمہ اور غیر مستقل کلمہ کے اقسام، مصوتے مصعیت، جنس، تعداد، ملکہ اور اس کے اقسام</p>

### 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, द्विवाक्षर
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, समानार्थ 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. ಕ್ಷಾತ್ರವ ಶಿಳಪಾಳಕ :

ಎ) ಅಪರಿಚಿತ ಹದ್ದು

ಬಿ) ಅಪರಿಚಿತ ಗಡ್ಡು

### 2. 6ನೇ ತರಗತಿಯಿಂದ 10ನೇ ತರಗತಿ ಕನ್ನಡ ಪಠ್ಯ ಮುಸ್ತಕ, ಝೋರಕ ಯಾತಗಳಲ್ಲಿನ ವಿಜಯಗಳು :

ಕಟ್ಟಿ - ಕೂಡ್ಯೆಗಳು, ಲೈವಿಕರು - ಕೃತಿಗಳ ಪರಿಚಯ

### 3. ಪದೆಚಾಲ ಸಂಪತ್ತು :

ಎ) ಅಧ್ಯಾಗಳು

ಬಿ) ಸಮುನಾಥರ್ ಕ ಪದಗಳು

ನೀ) ನಾನಾಥರ್ ಗಳು

ಒ) ತತ್ವಮ - ಶರ್ವಪಾಗಳು

ಔ) ಸುತ್ತಿಗಣ್ಯಗಳು

ಎಫ್) ರಾದೇಗಳು

ಒಂ) ಸಕ್ತಮೂರ್ಕ - ಅಕ್ಷಮೂರ್ಕ ಪದಗಳು

ಎಚ್) ಪ್ರೈತ್ಯಾ ಅಧ್ಯಾಗಳು

### 4. ಭಾಜಾಂಶಗಳು :

+ ವಲ್ಲಕರಣ ಪಾರಿಭ್ರಹಿಕ ಪದಗಳು (ತತ್ವಮ, ತರ್ಪಂ, ದೇಶ, ಅನ್ವಯೇ, ಗಾಂಧ್ಯ ಪದಗಳು, ವಿಭಕ್ತಾ ಪ್ರತ್ಯೇಕಿಗಳು)

+ ಸಂಧಿಗಳು - ವಾಚಿಖಾನಗಳು

ಕನ್ನಡ ಸಂಧಿಗಳು, ಸಂಸ್ಕೃತ ಸಂಧಿಗಳು  
ಸಂಧಿಗಳು ಗುರುತಿಸುವಿಕೆ, ಸೂಲೆಗಳ ಅನ್ವಯ

+ ಸವರಳಾಸಗಳು - ವಾಚಿಖಾನಗಳು  
ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸೂತ್ರ ಸುಷ್ಮಾದು, ವಿಗ್ರಹ ವಾಕ್ಯಗಳನ್ನು ಸಮರಾಸ ಪದಗಳಾಗಿ ಜೀವಾಜೀಸುವುದು.  
ಸೂಲೆಗಳ ಅನ್ವಯ.

+ ಘಂಡೆಸ್ಸೆ - ವಿಧಗಳು, ಮೂಲಗಳಿಂ, ಅಕ್ಷರಗಳ ಮತ್ತು ಪ್ರತ್ಯೇಕಿಗಳು.

+ ಅಲಂಕಾರಗಳು - ಶಭಾಲಂಕಾರ ಮತ್ತು ವಿಧಗಳು, ಅಫಾರಲಂಕಾರ (ಲೂಪದ್ಮ, ರಾಲಪಕ, ದ್ಯುಷಾಂತ,  
ಲುತ್ತೀಕ, ಅಶಿಶಯೋರ್ಕೆ ಅಲಂಕಾರಗಳು)

+ ಶೀಂಘರಾಪದ - (ನಕಾರಾತಕ, ನಿಹೇಧಾಥರ್ಕ, ಅಕಂಬರ್ಕ, ಸಕಮುಂಕ ಶೀಂಘರಾಪದಗಳು)

+ ವಾಕ್ಯಗಳು - ವಿಧಗಳು (ಸಾಮಾನ್ಯ, ಸಂಯುಕ್ತ, ಮೂಲ, ಆಶ್ಚರ್ಯ, ಪ್ರಶ್ನಾಥರ್ಕ, ವಿರುದ್ಧಾರ್ಥರ್ಕ,  
ನಕಾರಾತಕ, ನಿಹೇಧಾಥರ್ಕ, ಶರ್ವರಾ, ಕರ್ಮರಾ, ಕರ್ಮಾಣಿ, ಭಾವನಸೂಲಜಕ, ವಿದ್ಯಾರ್ಥರ್ಕ, ಪತ್ರಕ, ಪರ್ಮಿಂತ್ರ ವಾಕ್ಯಗಳು)

**B.5 LANGUAGE - I      TAMIL      (30 Marks)**

- I.      புரிந்துவேகாள் வேந்தல் - வினாடயளித்தல்
- அ) அறியாச் செய்யுள்      ஆ) அறியாப் பத்தி
- II.     6 ஒட்டு வா கு ப் பி லி ரூ ந் து 10 ஒட்டு வா கு ப் பி வா கா ரா த மி பு  
**பாட்டிற்தகத்திலுள்ள அனைவர்த்தும்.**
- அ) முறைகள் - பண்புகள்      ஆ) கணிஞர், புலவர் ஆசிரியர் குறிப்பு  
இ) சீற்பு அம்சங்கள்
- III.    சொல்லவாக்கம் :
- அ) சொற்பொருள்      ஆ) ஒருசொல் பலவொருள்      இ) ஒருபொருள்  
பலசொல்
- ஆ) இருபொருள்      உ) சேர்த்து எழுதுக      ஊ) பிரித்து எழுதுக  
இ) நிறுத்தற்கறிகள்      ஏ) வழக்கு      ஒ) மரபுத்தொடர்  
ஓ) பிறவொழி சொல்லுக்கு தயிழ்ச்சொல்



## B.7 LANGUAGE - I      SANSKRIT

(30 Marks)

1. पठनायगमनम्: परिचितशलोकः - प्रश्ना:  
परिचितगाधम् - प्रश्ना:
2. कवयः - काव्यम् - रचयितारः - दृचनाः ।
3. पाठ्यप्रक्रिया: पद - गद्य - चम्प - दण्डक - शातक - आत्मकथा - हृत्यादयः
4. पाठ्यांशाधारितप्रश्नाः
5. आषांशाः समालार्थक  
विलङ्घार्थक  
सन्दिध  
समाच  
छन्दः  
आलङ्कारः  
विभान्ति

## C. LANGUAGE – II    ENGLISH

(30 Marks)

<b>VOCABULARY</b>		<b>LEVEL OF TESTING</b>
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	
<b>GRAMMAR</b>		<b>LEVEL OF TESTING</b>
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	
<b>CONVENTIONS OF WRITING</b>		<b>LEVEL OF TESTING</b>
Punctuation and Capitalisation	Use of capital letters, full stop, question mark, comma, exclamation mark, double quotes, Apostrophe	
<b>DISCOURSES</b>		<b>LEVEL OF TESTING</b>
Writing of discourses	Letter writing, Diary writing, Descriptions, Notice, Dialogue writing, Biographical sketch, Invitations, Email, Speech, Short poem, Report writing, Story writing	
<b>DICTIONARY SKILLS</b>		
Dictionary Skills	Alphabetical Order, Word Stress	
<b>READING COMPREHENSION</b>		<b>LEVEL OF TESTING</b>
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. Developmental Approach, 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 Transition from adolescence to adulthood for a person with ASD, Preparedness for Adulthood, Needs and role of Family 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 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, Development and Behavior 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 of Visual Impairment, Assessment of Learning Needs of Children with VI/MD 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 Learning Family of a Child with Visual Impairment, Parental Issues and Concerns, Rehabilitation of Children with Visual Impairment, Meeting the Challenges of Children with Visual Impairment.