

Paper II (for classes VI to VIII) Elementary Stage

I. Child Development and Pedagogy	30 Questions
a) Child Development(Elementary School Child)	15 Questions
• Concept of development and its relationship with learning • Principles of the development of children • Influence of Heredity & Environment • Socialization processes: Social world & children (Teacher, Parents, Peers) • Piaget, Kohlberg and Vygotsky: constructs and critical perspectives • Concepts of child-centered and progressive education • Critical perspective of the construct of Intelligence • Multi-Dimensional Intelligence • Language & Thought • Gender as a social construct; gender roles, gender-bias and educational practice • Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion etc. • Distinction between Assessment for learning and assessment of learning; School-Based Assessment, Continuous & Comprehensive Evaluation: perspective and practice • Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and for assessing learner achievement.	
b) Concept of Inclusive education and understanding children with special needs	5 Questions
• Addressing learners from diverse back grounds including disadvantaged and deprived • Addressing the needs of children with learning difficulties, "impairment" etc. • Addressing the Talented, Creative, Specially abled Learners	
c) Learning and Pedagogy	10 Questions
• How children think and learn; how and why children „fail“ to achieve success in school performance. • Basic processes of teaching and learning; children's strategies of learning; learning as a social activity; social context of learning. • Child as a problem solver and a "scientific investigator" • Alternative conceptions of learning in children, understanding children's "errors" as significant steps in the learning process. • Cognition & Emotions • Motivation and learning • Factors contributing to learning-personal & environmental	
II. Mathematics and Science	60 Questions
(i) Mathematics	30 Questions
a) Content	20 Questions
Number System	
• Knowing our Numbers • Playing with Numbers • Whole Numbers • Negative Numbers and Integers • Fractions	
Algebra	
• Introduction to Algebra • Ratio and Proportion	

Geometry

- Basic geometrical ideas (2-D)
- Understanding Elementary Shapes (2-D and 3-D)
- Symmetry: (reflection)
- Construction (using Straight edge Scale, protractor, compasses)
- **Mensuration**
- **Data handling**

b) Pedagogical issues**10 Questions**

- Nature of Mathematics/Logical thinking
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation
- Remedial Teaching
- Problem of Teaching

ii) Science**30 Questions****(a) Content****20 Questions**❖ **Food**

- Sources of food
- Components of food
- Cleaning food

❖ **Materials**

- Materials of daily use

❖ **The World of the Living**❖ **Moving Things People and Ideas**❖ **How things work**

- Electric current and circuits
- Magnets

❖ **Natural Phenomena**❖ **Natural Resources****b) Pedagogical issues****10 Questions**

- Nature & Structure of Sciences
- Natural Science/Aims & objectives
- Understanding & Appreciating Science
- Approaches/Integrated Approach
- Observation/Experiment/Discovery (Method of Science)
- Innovation
- Text Material/Aids
- Evaluation-cognitive/psycho-motor/affective
- Problems
- Remedial Teaching

III. Social Studies/Social Sciences	60 Questions
a) Content	40 Questions
❖ History • When, Where and How • The Earliest Societies • The First Farmers and Herders • The First Cities • Early States • New Ideas • the first Empire • Contacts with Distant lands • Political Developments • Culture and Science • New Kings and Kingdoms • Sultans of Delhi • Architecture • Creation of an Empire • Social Change • Regional Cultures • The Establishment of Company Power • Rural Life and Society • Colonialism and Tribal Societies • The Revolt of 1857-58 • Women and reform • Challenging the Caste System • The Nationalist Movement • India After Independence	
❖ Geography • Geography as a social study and as a science • Planet: Earth in the solar system • Globe • Environment in its totality: natural and human environment • Air • Water • Human Environment: settlement, transport and communication • Resources: Types-Natural and Human • Agriculture	
❖ Social and Political Life • Diversity • Government • Local Government • Making a Living • Democracy • State Government • Understanding Media • Unpacking Gender	

- The Constitution
- Parliamentary Government
- The Judiciary
- Social Justice and the Marginalised

II. Pedagogical issues

20 Questions

- Concept & Nature of Social Science/Social Studies
- Class Room Processes, activities and discourse
- Developing Critical thinking
- Enquiry/Empirical Evidence
- Problems of teaching Social Science/Social Studies
- Sources- Primary & Secondary
- Projects Work
- Evaluation

IV. Language I

30 Questions

• **Language Comprehension**

15 Questions

Reading unseen passages-two passages one prose or drama and one poem with questions on comprehension, inference, grammar and verbal ability (Prose passage may be literary, scientific, narrative or discursive)

• **Pedagogy of Language Development**

15 Questions

- Learning and acquisition
- Principles of language Teaching
- Role of listening and speaking; function of language and how children use
- IT as a tool
- Critical perspective on the role of grammar in learning a language for communicating ideas verbally and in written form;
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
- Language Skills
- Evaluating language comprehension and proficiency: speaking, listening, reading and writing
- Teaching-learning materials: Textbook, multi-media materials, multi lingual resource of the classroom
- Remedial Teaching

V. Language-II

30 Questions

• **Comprehension**

15 Questions

- Two unseen prose passages (discursive or literary or narrative or scientific) with question on comprehension, grammar and verbal ability

• **Pedagogy of Language Development**

15 Questions

- Learning and acquisition
- Principles of language Teaching
- Role of listening and speaking; function of language and how children use it as a tool
- Critical perspective on the role of grammar in learning a language for communicating ideas verbally and in written form;
- Challenges of teaching language in a diverse classroom ; language difficulties, errors and disorders
- Language Skills
- Evaluating language comprehension and proficiency: speaking, listening, reading and writing
- Teaching- learning materials: Textbook, multi-media materials, multi lingual resource of the classroom
- Remedial Teaching

Note: For Detailed syllabus of classes I-VIII, please refer to NCERT syllabus and text books