

- Error analysis and related aspects of learning and teaching
- Diagnostic and Remedial Teaching

**V. Environmental Studies** **30 Questions**  
**a) Content** **15 Questions**

- I. Family and Friends:**
  - 1.1 Relationships**
  - 1.2 Work and Play**
  - 1.3 Animals**
  - 1.4 Plants**

- II. Food**
- III. Shelter**
- IV.**

**Water**

**V. Travel**

**VI. Things We Make and Do** **15 Questions**  
**b) Pedagogical Issues**

- Concept and scope of EVS
- Significance of EVS, integrated EVS
- Environmental Studies & Environmental Education
- Learning Principles
- Scope & relation to Science & Social Science
- Approaches of presenting concepts
- Activities
- Experimentation/Practical Work
- Discussion
- CCE
- Teaching material/Aids
- Problems

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## **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 backgrounds 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. Language I. 30 Questions**

**a) 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)

**b) 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, multilingual resource of the classroom
- Remedial Teaching

**III. Language – II**

**30 Questions**

**a) Comprehension**

**15 Questions**

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

**b) 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, multilingual resource of the classroom
- Remedial Teaching

**IV. (A) 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**

**I. Food**

- Sources of food
- Components of food
- Cleaning food

**II. Materials**

- Materials of daily use

**III. The World of the Living**

**IV. Moving Things People and Ideas**

**V. How things work**

- Electric current and circuits
- Magnets

**VI. Natural Phenomena**

**VII. 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/psychomotor/affective
- Problems
- Remedial Teaching

**V. Social Studies/Social Sciences**

**60 Questions**

**a) Content**

**40 Questions**

**I. 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 ndependence

**II. 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**

### **III. 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**

#### **b) 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**