

**STRUCTURE AND CONTENT OF SYLLABUS**  
**(Paper I and Paper II)**

**Paper I (for classes I to V) Primary Stage**

- I. Child Development and Pedagogy 30 Questions**
- a) Child Development (Primary 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 Mathematics**

**30 Questions**

### **a) Content**

**15 Questions**

- Geometry
- Shapes & Spatial Understanding
- Solids around Us
- Numbers
- Addition and Subtraction
- Multiplication
- Division
- Measurement
- Weight
- Time
- Volume
- Data Handling
- Patterns
- Money

### **b) Pedagogical issues**

**15 Questions**

- Nature of Mathematics/Logical thinking; understanding children's thinking and reasoning patterns and strategies of making meaning and learning
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation through formal and informal methods
- Problems of Teaching
- 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

**b) Pedagogical Issues****15 Questions**

- 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

## **STRUCTURE AND CONTENT OF SYLLABUS**

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



**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

**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

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