

# **SYLLABUS**

**CTET – December 2024**

## **Appendix-I: Structure and Content of Syllabus (Paper I and Paper II)**

### **Paper I (for Classes 1 to V) Primary Stage**

#### **I. Child Development and Pedagogy (30 Questions)**

##### **a) Child Development (Primary School Child) - 15 Questions**

- Concept of development and its connection with learning
- Principles of child development
- Impact of heredity and environment
- Socialization processes: the social world of children (teachers, parents, peers)
- Theories of Piaget, Kohlberg, and Vygotsky: constructs and critical perspectives
- Child-centred and progressive education
- Critical understanding of intelligence
- Multi-Dimensional Intelligence
- Relationship between language and thought
- Gender as a social construct: gender roles, biases, and educational practices
- Understanding individual differences based on language, caste, gender, community, religion, etc.
- Differences between "Assessment for learning" and "Assessment of learning," school-based assessment, and Continuous and Comprehensive Evaluation (CCE)
- Designing appropriate questions for assessing readiness, enhancing learning, and critical thinking, and assessing learner achievement

##### **b) Concept of Inclusive Education and Children with Special Needs - 5 Questions**

- Addressing learners from diverse backgrounds, including disadvantaged and deprived groups
- Addressing the needs of children with learning difficulties and impairments
- Supporting talented, creative, and specially-abled learners

##### **c) Learning and Pedagogy - 10 Questions**

- Understanding how children think, and learn, and why they may struggle academically
- Basic processes of teaching and learning; strategies children use in learning; learning as a social activity
- Child as a problem-solver and "scientific investigator"
- Understanding children's "errors" as steps in the learning process
- Cognition and emotions

- Motivation and learning
- Factors that contribute to learning – personal and environmental

## **II. 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 and logical thinking; understanding children's reasoning and learning strategies
- Role of Mathematics in the Curriculum
- Language of Mathematics
- Community-based Mathematics
- Evaluation through formal and informal methods
- Challenges in teaching
- Error analysis in learning and teaching
- Diagnostic and remedial teaching

## **III. Environmental Studies (30 Questions)**

### **a) Content - 15 Questions**

#### **i. Family and Friends:**

- Relationships
- Work and Play
- Animals
- Plants
- ii. Food
- iii. Shelter
- iv. Water
- v. Travel
- vi. Things We Make and Do

## **b) Pedagogical Issues - 15 Questions**

- Concept and scope of Environmental Studies (EVS)
- Importance of EVS and integrated EVS
- Environmental Studies and Environmental Education
- Learning principles
- Relationship to Science and Social Science
- Approaches to teaching concepts
- Activities, experimentation, and practical work
- Classroom discussions
- Continuous and Comprehensive Evaluation (CCE)
- Teaching materials and aids
- Addressing challenges in teaching

## **IV. Language I (30 Questions)**

### **a) Language Comprehension - 15 Questions**

- Reading unseen passages (one prose or drama, and one poem) with questions on comprehension, inference, grammar, and verbal ability. (Prose passages 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; the function of language as a tool for communication
- Critical perspective on grammar's role in language learning
- Challenges of teaching language in a diverse classroom; addressing language difficulties, errors, and disorders
- Language skills (listening, speaking, reading, and writing)
- Evaluating language comprehension and proficiency
- Teaching-learning materials: textbooks, multimedia resources, multilingual classroom resources
- Remedial teaching

## **V. Language II (30 Questions)**

### **a) Comprehension - 15 Questions**

- Two unseen prose passages (literary, narrative, discursive, or scientific) with questions 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; language as a tool for communication

- Critical perspective on grammar's role in language learning
  - Challenges in teaching language in diverse classrooms; addressing language difficulties, errors, and disorders
  - Language skills (listening, speaking, reading, and writing)
  - Evaluating language comprehension and proficiency
  - Teaching-learning materials: textbooks, multimedia resources, multilingual classroom resources
  - Remedial teaching
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**CTET – December 2024**  
**Appendix-I: 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 child development
- Influence of heredity and environment
- Socialization processes: the social world of children (teachers, parents, peers)
- Theories of Piaget, Kohlberg, and Vygotsky: constructs and critical perspectives
- Child-centred and progressive education
- Critical understanding of intelligence
- Multi-Dimensional Intelligence
- Relationship between language and thought
- Gender as a social construct: gender roles, biases, and educational practices
- Understanding individual differences based on language, caste, gender, community, religion, etc.
- Differences between "Assessment for learning" and "Assessment of learning," school-based assessment, and Continuous and Comprehensive Evaluation (CCE)
- Designing appropriate questions for assessing readiness, enhancing learning, and critical thinking, and assessing learner achievement

### **b) Concept of Inclusive Education and Children with Special Needs - 5 Questions**

- Addressing learners from diverse backgrounds, including disadvantaged and deprived groups
- Addressing the needs of children with learning difficulties and impairments
- Supporting talented, creative, and specially-abled learners

### **c) Learning and Pedagogy - 10 Questions**

- Understanding how children think, and learn, and why they may struggle academically

- Basic processes of teaching and learning; strategies children use in learning; learning as a social activity
- Child as a problem-solver and "scientific investigator"
- Understanding children's "errors" as steps in the learning process
- Cognition and emotions
- Motivation and learning
- Factors that contribute to learning – personal and 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 (2D)
  - Understanding Elementary Shapes (2D and 3D)
  - Symmetry (Reflection)
  - Construction (using straight edge, scale, protractor, compass)
  - Mensuration
  - Data Handling

#### **b) Pedagogical Issues (10 Questions)**

- Nature of Mathematics and Logical Thinking
- Role of Mathematics in the Curriculum
- Language of Mathematics
- Community-based Mathematics
- Evaluation methods
- Remedial teaching
- Challenges in Teaching Mathematics

### **ii) Science (30 Questions)**

#### **a) Content (20 Questions)**

- Food
  - Sources of food
  - Components of food
  - Cleaning food
- 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 and structure of science
- Aims and objectives of teaching science
- Appreciating science
- Integrated approaches
- Observation, experimentation, and discovery methods in science
- Innovation in teaching
- Use of teaching aids and materials
- Evaluation (cognitive, psychomotor, affective)
- Addressing challenges in teaching science
- Remedial teaching

## **III. 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 Independence

## **ii) Geography**

- Geography as a social study and science
- Earth in the Solar System
- The Globe
- Environment: natural and human
- Air and Water
- Human Environment: settlements, transport, and communication
- Resources: natural and human
- Agriculture

## **iii) Social and Political Life**

- Diversity
- Government and Local Government
- Making a Living
- Democracy and State Government
- Understanding Media
- Gender and society
- The Constitution
- Parliamentary Government
- The Judiciary
- Social justice and marginalized communities

## **b) Pedagogical Issues (20 Questions)**

- Concept and nature of Social Science/Social Studies
- Classroom processes, activities, and discourse
- Developing critical thinking
- Inquiry and empirical evidence
- Addressing challenges in teaching Social Science
- Primary and secondary sources
- Project work
- Evaluation

## **IV. Language I (30 Questions)**

### **a) Language Comprehension (15 Questions)**

- Reading unseen passages (one prose or drama, and one poem) with questions on comprehension, inference, grammar, and verbal ability

### **b) Pedagogy of Language Development (15 Questions)**

- Learning and acquisition
- Principles of language teaching

- Role of listening and speaking; language as a communication tool
- A critical perspective on grammar's role in communication
- Challenges in teaching language in diverse classrooms; addressing language difficulties, errors, and disorders
- Language skills (listening, speaking, reading, and writing)
- Evaluating language comprehension and proficiency
- Teaching-learning materials: textbooks, multimedia, and multilingual resources
- Remedial teaching

## **V. Language II (30 Questions)**

### **a) Comprehension (15 Questions)**

- Reading unseen prose passages (discursive, literary, narrative, or scientific) with questions 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; language as a communication tool
- A critical perspective on grammar's role in communication
- Challenges in teaching language in diverse classrooms
- Language skills (listening, speaking, reading, and writing)
- Evaluating language comprehension and proficiency
- Teaching-learning materials: textbooks, multimedia, and multilingual resources
- Remedial teaching

**Note:** For the detailed syllabus of classes I-VIII, refer to the NCERT syllabus and textbooks.