

CTET Paper II Syllabus (Classes VI to VIII)

This paper is designed for candidates aspiring to teach at the elementary level (classes VI to VIII) and comprises five main sections.

I. Child Development and Pedagogy (30 Questions)

This section delves into the understanding of child development and effective pedagogical practices relevant for elementary school children.

a) Child Development (Elementary School Child) - 15 Questions

- **Developmental Concepts:** Explore the definition of development and its intricate link with learning.
- **Growth Principles:** Understand the fundamental principles that govern children's development.
- **Heredity & Environment:** Analyze the combined influence of genetics and environmental factors on a child's development.
- **Socialization:** Examine how the social world, including **teachers, parents, and peers**, shapes a child's social understanding and behavior.
- **Key Theories:** Study the core constructs and critical viewpoints of **Piaget (Cognitive Development)**, **Kohlberg (Moral Development)**, and **Vygotsky (Socio-cultural Theory)**.
- **Progressive Education:** Grasp the concepts of **child-centered and progressive education**.
- **Intelligence:** Critically assess the construct of intelligence, including its **multi-dimensional** aspects.
- **Language & Thought:** Investigate the relationship between language acquisition and cognitive processes.
- **Gender:** Understand gender as a social construct, including its roles, biases, and implications for educational practices.
- **Individual Differences:** Recognize and cater to individual learning differences based on **language, caste, gender, community, and religion**.
- **Assessment Strategies:** Differentiate between **assessment for learning** (formative) and **assessment of learning** (summative). Understand the practical application of **School-Based Assessment (SBA)** and **Continuous & Comprehensive Evaluation (CCE)**.
- **Question Design:** Learn to formulate appropriate questions to gauge learners' readiness, foster critical thinking, and evaluate academic achievement.

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

- **Diverse Learners:** Strategies for effectively addressing learners from varied backgrounds, including those who are disadvantaged or deprived.
- **Addressing Special Needs:** How to cater to children with learning difficulties and various impairments.

- **Gifted Learners:** Approaches for supporting and challenging talented, creative, and specially-abled learners.

c) Learning and Pedagogy - 10 Questions

- **Child Learning Processes:** Understand how children think and learn, and the underlying reasons for "failure" in school performance.
- **Core Teaching-Learning Principles:** Basic processes of teaching and learning, children's learning strategies, and the social context of learning.
- **Child as Investigator:** Perceive the child as an active problem-solver and a "scientific investigator."
- **Understanding Errors:** Recognize alternative conceptions of learning and view children's "errors" as significant steps in their learning journey.
- **Cognition & Emotions:** Explore the interplay between cognitive processes and emotions in learning.
- **Motivation:** Understand the role of motivation in fostering learning.
- **Contributing Factors:** Identify both personal and environmental factors that contribute to learning.

II. Mathematics and Science (60 Questions)

This composite section evaluates both content knowledge and pedagogical understanding in Mathematics and Science.

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:** Concepts of perimeter, area, and volume.
- **Data Handling:** Basic principles and applications of data interpretation.

b) Pedagogical Issues - 10 Questions

- **Nature of Mathematics/Logical Thinking:** Understanding the logical underpinnings of mathematics.
- **Curriculum Placement:** The role and importance of mathematics in the school curriculum.
- **Mathematical Language:** Understanding the language of mathematics.
- **Community Mathematics:** Connecting mathematical concepts to real-world applications.
- **Evaluation:** Assessing mathematical learning.
- **Remedial Teaching:** Strategies for addressing learning gaps in mathematics.
- **Problem of Teaching:** Identifying common challenges in mathematics instruction.

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:** Basic biological concepts.
- **Moving Things, People and Ideas:** Concepts related to motion and forces.
- **How Things Work:**
 - Electric current and circuits
 - Magnets
- **Natural Phenomena:** Understanding natural events.
- **Natural Resources:** Importance and management of natural resources.

b) Pedagogical Issues - 10 Questions

- **Nature & Structure of Sciences:** Understanding the scientific method and structure of scientific knowledge.
- **Natural Science/Aims & Objectives:** Goals and objectives of teaching natural science.
- **Understanding & Appreciating Science:** Fostering scientific literacy and appreciation.
- **Approaches/Integrated Approach:** Various teaching approaches, including integrated approaches to science education.
- **Observation/Experiment/Discovery:** The role of empirical methods in science (Method of Science).
- **Innovation:** Encouraging innovative teaching practices.
- **Text Material/Aids:** Effective use of science textbooks and teaching aids.
- **Evaluation:** Assessing cognitive, psycho-motor, and affective learning in science.
- **Problems:** Addressing common challenges in teaching science.
- **Remedial Teaching:** Strategies for supporting students with learning difficulties in science.

III. Social Studies/Social Sciences (60 Questions)

This section covers content and pedagogy for Social Studies/Social Sciences.

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:** Understanding the disciplinary nature and scope.
- **Classroom Processes:** Activities and discourse in a social science classroom.
- **Critical Thinking:** Developing critical thinking skills in students.
- **Enquiry/Empirical Evidence:** The role of inquiry and evidence-based learning.
- **Problems of Teaching:** Common challenges in teaching Social Science/Social Studies.
- **Sources:** Using primary and secondary sources effectively.
- **Project Work:** Importance and implementation of project-based learning.
- **Evaluation:** Assessing learning outcomes in Social Science/Social Studies.

IV. Language I (30 Questions)

This section assesses proficiency in the chosen Language I (e.g., Hindi, English, etc.) with a focus on comprehension and pedagogical aspects.

a) Language Comprehension - 15 Questions

- **Unseen Passages:** Read two unseen passages (one prose/drama and one poem) and answer 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:** Differentiate between language learning and language acquisition.
- **Language Teaching Principles:** Understand the core principles guiding effective language instruction.
- **Role of Listening and Speaking:** The importance of these skills; how children utilize language as a tool.
- **Grammar's Role:** A critical perspective on grammar's function in verbal and written communication.
- **Diverse Classrooms:** Addressing challenges like language difficulties, errors, and disorders in a diverse classroom setting.
- **Language Skills:** Understanding the four fundamental language skills.

- **Evaluating Proficiency:** Methods for assessing language comprehension and proficiency in speaking, listening, reading, and writing.
- **Teaching-Learning Materials:** Effective use of textbooks, multimedia, and multilingual resources.
- **Remedial Teaching:** Strategies for providing corrective instruction.

V. Language-II (30 Questions)

This section assesses proficiency in the chosen Language II (different from Language I) with a focus on comprehension and pedagogical aspects.

a) Comprehension - 15 Questions

- **Unseen Prose Passages:** Read two unseen prose passages (discursive, literary, narrative, or scientific) and answer questions on **comprehension, grammar, and verbal ability**.

b) Pedagogy of Language Development - 15 Questions

- **Learning and Acquisition:** Differentiate between language learning and language acquisition.
- **Language Teaching Principles:** Understand the core principles guiding effective language instruction.
- **Role of Listening and Speaking:** The importance of these skills; how children utilize language as a tool.
- **Grammar's Role:** A critical perspective on grammar's function in verbal and written communication.
- **Diverse Classrooms:** Addressing challenges like language difficulties, errors, and disorders in a diverse classroom setting.
- **Language Skills:** Understanding the four fundamental language skills.
- **Evaluating Proficiency:** Methods for assessing language comprehension and proficiency in speaking, listening, reading, and writing.
- **Teaching-Learning Materials:** Effective use of textbooks, multimedia, and multilingual resources.
- **Remedial Teaching:** Strategies for providing corrective instruction.

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