

Structure and Content of CTET Syllabus

(Paper-I and Paper-II)

CTET Paper I (For Classes I to V – Primary Stage)

I. Child Development and Pedagogy (30 MCQs)

1. Child Development (Primary School Child) (15 MCQs)

- 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.

2. Concept of Inclusive Education and Understanding Children with Special Needs (5 MCQs)

- Addressing learners from diverse backgrounds including disadvantaged and deprived.
- Addressing the needs of children with learning difficulties, impairments, etc.
- Addressing the Talented, Creative, Specially abled Learners.

3. Learning and Pedagogy (10 MCQs)

- 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 (30 MCQs)

1. Content (15 MCQs)

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

2. Pedagogical Issues (15 MCQs)

- Nature of Mathematics/ Logical thinking; understanding children's thinking and reasoning patterns and strategies of making meaning and learning.
- Place of Mathematics in the 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.

III. Environmental Studies (EVS) (30 MCQs)

1. Content (15 MCQs)

- **Family and Friends:**
 - Relationships.
 - Work and Play.
 - Animals.
 - Plants.
- **Food.**
- **Shelter.**
- **Water.**
- **Travel.**
- **Things We Make and Do.**

2. Pedagogical Issues (15 MCQs)

- 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.
- Continuous and Comprehensive Evaluation (CCE).
- Teaching material/Aids.
- Problems.

IV. Language I (30 MCQs)

1. Language Comprehension (15 MCQs)

- 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).

2. Pedagogy of Language Development (15 MCQs)

- 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.

V. Language II (30 MCQs)

1. Comprehension (15 MCQs)

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

2. Pedagogy of Language Development (15 MCQs)

- 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.

Paper II (for classes VI to VIII) Elementary Stage

I. Child Development and Pedagogy (30 MCQs)

1. Child Development (Elementary School Child) (15 MCQs)

- 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.

2. Concept of Inclusive Education and Understanding Children with Special Needs (5 MCQs)

- Addressing learners from diverse backgrounds including disadvantaged and deprived.
- Addressing the needs of children with learning difficulties, impairments, etc.
- Addressing the Talented, Creative, Specially abled Learners.

3. Learning and Pedagogy (10 MCQs)

- 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 MCQs)

(For Mathematics and Science teacher)

1. Mathematics (30 MCQs)

a) Content (20 MCQs)

- 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:
 - Measurement of area, volume, and surface area.

- Data handling.
- Algebraic concepts.

b) Pedagogical Issues (10 MCQs)

- Nature of Mathematics/ Logical thinking.
- Place of Mathematics in the Curriculum.
- Language of Mathematics.
- Community Mathematics.
- Evaluation and teaching strategies.
- Remedial Teaching.
- Problem of Teaching.

2. Science (30 MCQs)

a) Content (20 MCQs)

- **Food**
 - Sources of food.
 - Components of food.
 - Cleaning food.
- **Materials**
 - Materials of daily use.
- **The World of the Living**
 - Plants and Animals.
- **Moving Things, People, and Ideas**
 - Electric current and circuits.
 - Magnets.
- **Natural Phenomena**
 - Sources of energy.
 - Light and sound.
 - Weather, climate, and adaptation.

b) Pedagogical Issues (10 MCQs)

- Nature & Structure of Sciences.
- Natural Science: Aims & objectives.
- Understanding & Appreciating Science.
- Approaches/Integrated Approach.
- Observation/Experiment/Discovery (Method of Science).
- Innovation in Science teaching.
- Text Material/Aids for teaching science.
- Evaluation: Cognitive, Psychomotor, Affective.
- Problems and Remedial Teaching in Science.

III. Social Studies/Social Science (60 MCQs)

(For Social Studies/Social Science teacher)

1. Content (40 MCQs)

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 and Empires.
- Social Change.
- Colonialism and Tribal Societies.
- Women and Reform.
- The Nationalist Movement.
- India After Independence.

Geography

- Geography as a social study and as a science.
- Planet: Earth in the solar system.
- Globe: A tool to understand the world.
- Environment: Natural and human environment.
- Air, Water, and Human Environment: settlement, transport, and communication.
- Resources: Types – Natural and Human.
- Agriculture and other forms of livelihood.

Social and Political Life

- Diversity.
- Government.
- Local Government and democracy.
- Social Justice and the Marginalised.
- The Constitution, Judiciary, and Parliament.
- Social Justice in India.
- Media and Gender.

2. Pedagogical Issues (20 MCQs)

- Concept and Nature of Social Science/Social Studies.
- Classroom processes, activities, and discourse.
- Developing critical thinking.
- Empirical evidence and enquiry-based teaching.

- Problems of teaching Social Science/Social Studies.
- Primary and Secondary sources of history.
- Project Work in Social Science.
- Evaluation: Cognitive, Affective, and Psychomotor domains.
- Teaching Social Science through interdisciplinary approaches.

IV. Language I (30 MCQs)

1. Language Comprehension (15 MCQs)

- 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).

2. Pedagogy of Language Development (15 MCQs)

- Learning and acquisition.
- Principles of language teaching.
- Role of listening and speaking; function of language and how children use it as a tool.
- 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 Skills: Evaluating speaking, listening, reading, and writing skills.
- Teaching-learning materials: Textbook, multimedia, multilingual resources.

V. Language II (30 MCQs)

1. Comprehension (15 MCQs)

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

2. Pedagogy of Language Development (15 MCQs)

- 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, multimedia, multilingual resources.
- Remedial Teaching.

