

# Structure and Content of Tripura - TET Syllabus

## (Paper-I and Paper-II)

### Tripura TET Paper I (For Classes I to V – Primary Stage)

#### I. Child Development and Pedagogy (30 MCQs)

##### 1. Child Development and Learning

- 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)

- Concept of exceptional children and children with special needs (CWSN).
- Addressing learners from diverse backgrounds including disadvantaged and deprived.
- Concept of learning disability (LD), addressing the needs of children with learning disabilities.

- Addressing the gifted, creative, especially abled learners (mentally retarded and physically challenged).

### 3. Learning and Pedagogy (10 MCQs)

- Process of thinking and learning of children causes of children's failure to achieve success in school performance with respect to quality education.
- Basic approaches to learning: processes of teaching and learning, children's strategies of learning, learning as social activity, social context of learning, child as a problem solver and scientific investigator.
- Alternative concepts of learning in children: understanding children's 'errors' as significant steps in the learning process.
- Cognition and emotions: concept and nature of cognition, basic emotions, characteristics of childhood emotionality.
- Motivation and learning: factors contributing to learning-personal and environmental, influence of motivation in learning.
- Class-room management: creation of non-threatening learning environment, managing behavioral problems in class-room.
- Punishment and its legal implications, rights of a child.
- Guidance and counselling: concept, nature and types.

## 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.
- Methods of teaching mathematics, inductive and deductive method, analytical and synthetic method, project method, laboratory method.
- Instructional material in mathematics, TLM in mathematics, mathematics laboratory, mathematical puzzle.
- 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 Friend: Relationships, duties of family members, nuclear and joint families, social abuse (child marriage, child labour, and dowry system), rights and responsibilities in common places.
- Work and Play: different types of professions in our surroundings, effects of games and sports on health.
- Plants and Animals: World of plants and animals, parts of plants (leaves, flowers, types of root and stem, different kinds of fruit and seeds), germination, pollination, dispersal of seeds, plants in our society (sacred groves, flowers and festivals, vanamohatsav), photosynthesis, animals in different environments, movement and food habit, uses of animals, animal products, reserve forest, sanctuaries, tiger reserves, national parks.
- Food: Different types of food, balanced diet and its importance, nutrients of food, nutrient deficiencies and related diseases.

- Health and Hygiene: External parts of body and their cleanliness, general understanding of internal parts of our body, causes of some common diseases (gastroenteritis, amoebiasis, anaemia, flurosis, malaria and dengue) and their prevention.
- Shelters: Types of shelters, characteristics of animal shelters, various types of houses and building materials.
- Travel: Types of vehicles used, railways, waterways and airways.
- Water: Types of water resources, conservation of water resources, water pollution, cause and prevention of water pollution, impact of water pollution on environment, flood and drought.
- Air: Composition of air causes and impact of air pollution on environment, greenhouse effect and global warming.
- Soil: Different types of soil, soil erosion, impact of soil pollution and its prevention.
- Energy: Types of energy and its transformation from one to another, application of energy in daily life, various types of fuels, renewable and non-renewable resources of energy, conservation of energy.
- Environmental Characteristics of Tripura: Location, climate, crops, clothes, village, districts, physical features, hills and plains, rivers, plants and animals, endangered and rare species, reserve forests, sanctuaries.
- Environmental Protection: Constitutional provision, role of individuals, local bodies and government in environmental protection, major environmental protection acts.
- Things we make and do.

## 2. Pedagogical Issues (15 MCQs)

- Concept and scope of environmental studies
- Significance of environmental studies.
- Integrated approach in environmental studies.
- Scope and relation of environmental studies to science and social science.
- Comprehensive and continuous evaluation.
- Teaching material-aids.
- Approaches of presenting concepts.
- Environmental studies and environmental education.
- Learning principles.
- Activities.

- Discussion.
- Continuous and comprehensive evaluation (CCE).
- Problems.

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

##### **1. Language Comprehension**

- 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**

- 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) – Bengali or Kokborok**

## Tripura TET 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)

- Basic teaching and learning processes, social context of learning, collaborative learning.
- Child as a problem solver and scientific investigator.

- Cognition, perception, reasoning, problem-solving, and emotional maturity.
- Theories of learning: Pavlov, Thorndike, Skinner, Piaget, and Vygotsky.
- Factors influencing learning and personality traits.

## **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)**

- Two passages, one from prose/drama and the other from poetry with questions on comprehension, inference, grammar and test of vocabulary. (Prose passage may be literary, scientific, narrative or discursive)
- Test of grammatical knowledge on the following items:
  - Concord
  - Question tags
  - Prepositions
  - Tense and time
  - Determiners
  - Phrasal verbs
  - Gerunds
  - Error identification
  - Modals
  - Degree of comparison
  - Transformation of sentences

## 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) – Bengali or Kokborok