



**TEACHERS' RECRUITMENT BOARD, TRIPURA (TRBT)**

**EDUCATION (SCHOOL) DEPARTMENT, GOVERNMENT OF TRIPURA**

**SYLLABUS**

**TRIPURA TEACHERS' ELIGIBILITY TEST (T-TET)**

**PAPER - I**

**ELEMENTARY STAGE (CLASSES I - V)**

**2015**

## T-TET: PAPER-I

### I. CHILD DEVELOPMENT AND PEDAGOGY: (30 MCQS)

#### (A). CHILD DEVELOPMENT AND LEARNING:

- Growth, development and maturation - their relationship with learning.
- Principles of development.
- Impact of heredity and environment on development - nature-nurture controversy.
- Socialization process of the child.
- Domains of development up to late childhood - physical, cognitive, emotional, social, moral and language.
- Theories of Piaget, Kohlberg, Carol, Chomsky and Rogers in relation to child development.
- Concept of child centric and activity based education.
- Individual differences - attitude, aptitude, interest and intelligence-their measurement.
- Theories of intelligence: Spearman, Guilford, Thurstone.
- Gender and education with special reference to child development.
- Mental health of the child - adjustment and behavioural problems during childhood.
- Understanding differences among the children based on language, caste, community, religion and gender.
- Distinction between assessment for learning and assessment of learning - school based assessment, continuous and comprehensive evaluation, perspective and practice.
- Preparation of appropriate tools for measuring learning outcome of the learners.

#### (B) CONCEPTS OF INCLUSIVE EDUCATION AND UNDERSTANDING CHILDREN WITH SPECIAL NEEDS:

- 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, specially abled learners (mentally retarded and physically challenged).

#### (C) LEARNING AND PEDAGOGY:

- Process of thinking and learning of children, causes of children's failure to achieve success in school performance in respect of quality education.
- Basic approaches to learning - process of teaching and learning, children's strategies of learning, learning as social activity, social context of learning.
- 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.
- Classroom management - creation of non-threatening learning environment, managing behavioural problems in class room.
- Punishment and its legal implication, rights of a child.
- Guidance and counselling - concept, nature and types.

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# T-TET PAPER-I

## II. LANGUAGE-I, ENGLISH: (30 MCQs)

### A. LANGUAGE COMPREHENSION:

(i) Two passages, one from prose and the other from poetry, will be given with questions on comprehension, inference, grammar and test of vocabulary. (Prose passage may be literary, scientific, narrative or discursive.)

(ii) Test of grammatical knowledge on the following items:-

- Article
- Concord
- Interrogatives
- Framing Yes/No & 'WH' questions
- Question tags
- Prepositions
- Tense and time
- Determiners
- Phrasal verbs
- Gerunds & Participle
- Reflexive pronouns
- Linkers
- Auxiliary verbs

(iii) Vocabulary Test:

- Word formation from jumbled letters, antonyms and synonyms, affixes, idioms and phrases, formation of short sentences from jumbled words.

### B. PEDAGOGY FOR 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 in oral and written form.
- Challenges of teaching language in diverse classrooms - language difficulties, errors and disorders.
- Introduction to English Phonology - vowels and consonants, syllable division, IPA, stress.
- Evaluating language comprehension and proficiency in LSRW (Listening, Speaking, Reading and Writing).
- Teaching-learning materials: textbooks, multimedia materials, multilingual resources of the classroom.
- Strategies for teaching children with special needs (CWSN).
- Remedial teaching.

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# T-TET PAPER-I

## III. LANGUAGE-II, BENGALI: (30 MCQs)

- ১। অপঠিত গদ্যাংশ এবং অপঠিত পদ্যাংশ থেকে অববোধ (Comprehension) মূলক প্রশ্নে অববোধ (Comprehension), ব্যাকরণ ও ভাষামূলক দক্ষতা যাচাই করণ।
- ২। বাংলা সাহিত্যের প্রথিতযশা সাহিত্যিকদের সাহিত্যকৃতি সম্বন্ধীয় সাধারণ ধারণা: মাইকেল মধুসূদন দত্ত, স্বর্ণকুমারী দেবী, কামিনী রায়, রবীন্দ্রনাথ ঠাকুর, দ্বিজেন্দ্রলাল রায়, কালিদাস রায়, কুমুদ রঞ্জন মল্লিক, যতীন্দ্রমোহন বাগচী, সত্যেন্দ্রনাথ দত্ত, অতুলপ্রসাদ সেন, সুকুমার রায়, কাজী নজরুল ইসলাম, অবনীন্দ্রনাথ ঠাকুর, সুকান্ত ভট্টাচার্য, সুকুমার রায়, লীলা মজুমদার।
- ৩। বাংলা সাধু ও মান্য চলিতভাষা সম্পর্কে ধারণা।
- ৪। বর্ণ ও ধ্বনি প্রকরণ।
- ৫। (ক) পশ্চিমবঙ্গ বাংলা আকাদেমি-র বানানবিধি সম্পর্কে পূর্ণাঙ্গ ধারণা।  
(খ) গঠন ও অর্থানুসারে বাক্যের গঠন প্রণালী।  
(গ) সন্ধি সম্পর্কে ধারণা।  
(ঘ) বচন ও লিঙ্গ সম্পর্কে ধারণা।  
(ঙ) সমাস।  
(চ) কারক - বিভক্তি।  
(ছ) বাগধারা ও বাক্য সংকোচন।  
(জ) সমোচ্চারিত ভিন্নার্থক শব্দ।  
(ঝ) বিপরীত শব্দ।
- ৬। (ক) ভাষার স্বরূপ - ভাষার প্রকৃতি।  
(খ) মাতৃভাষা শিক্ষণের উদ্দেশ্য ও লক্ষ্য সম্পর্কে ধারণা।  
(গ) ভাষা-কৌশলের বিকাশ: শোনা, বলা, পড়া, লেখা।  
(ঘ) বাংলা শিখন ও শিক্ষণ-বিধি।  
(ঙ) ভাষা শিক্ষার প্রণালী।  
(চ) ভাষা শিক্ষণের পদ্ধতি।  
(খ) বোধ পরীক্ষণ।

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# T-TET PAPER-I

## IV. MATHEMATICS: (30 MCQs)

### (A). CONTENT

- Geometry: Types of angles, measurement of angles, line, axis, reflection and symmetry.
- Shapes, spatial understanding, solids, perimeter of rectilinear figures, area of rectangles, practical problems, surface area and volume of solids (sphere, cube, rectangular, parallelepiped), practical problems.
- Measurement: Basic operations in solving problems involving length, weight, time, capacity and their standard units, relation between them.
- Numbers: Natural numbers, place value, addition, subtraction, multiplication and division of natural numbers, factors and multiples, prime factors, lowest common multiple (LCM) and highest common factor (HCF), decimals and their operation on decimals.
- Arithmetic: Unitary method, ratio, proportion, percentage, average, profit and loss.
- Fractions: Concept of fraction, fraction of a measure such as metre, litre, gram, fractional parts of objects, equal fractions, operations on fraction, practical problems.

### (B). PEDAGOGICAL ISSUES IN MATHEMATICS

- Language of Mathematics.
- Community Mathematics.
- Nature of mathematics, understanding children's thinking and reasoning, place of mathematics in curriculum, historical development of mathematics, great mathematicians and their contributions (Indian and World).
- 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, concept of continuous and comprehensive evaluation.
- Problems in teaching mathematics.
- Remedial teaching and error analysis.

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# T-TET PAPER-I

## V. ENVIRONMENTAL STUDIES: (30 MCQS)

### (A). CONTENT

- Family and Friend: Relationships, duties of family members, nuclear and joint families, social abuse (child marriage, child labour, 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, green house 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.

### (B). PEDAGOGICAL ISSUES IN ENVIRONMENTAL STUDIES

- 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.

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