

WBTEET, CTET (Primary) এবং Tripura TET(I)-এর সিলেবাস  
অনুযায়ী গণিত-এর বিষয়বস্তু ও MCQ সহ একটি স্বয়ংসম্পূর্ণ পুস্তক।

## PRIMARY TET

# গণিত

বিষয়বস্তু ও MCQ-সহ

### প্রণয় পাণ্ডে

MSc (Computer Science), MA (Education), BEd (Gold Medalist)  
MEd (Gold Medalist) MPhil in Education (Gold Medalist)  
Post Graduate Diploma in Guidance & Counseling (First Class First)  
Research Scholar (Education)

সহকারী অধ্যাপক, স্কুল অফ এডুকেশন, অ্যাডামাস ইউনিভার্সিটি



রূপা পাবলিকেশন<sup>TM</sup>

প্রকাশক ও পুস্তক বিক্রেতা

25B, বেনিয়াটোলা লেন

কলকাতা - 700 009

# Syllabus

## WB TET, CTET (Primary)

### A. CONTENT

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

### B. PEDAGOGICAL ISSUES

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

## Tripura TET-I (Elementary Stage: Classes I-V)

### T-TET PAPER-I PART-V: 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.
  - Weight.
  - Time.
  - Data handling.
  - Patterns.
  - Money.

## **(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.
- Error analysis and related aspects of learning and teaching.
- Diagnostic and remedial teaching.

## Contents

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### B. PEDAGOGICAL ISSUES

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