

**SIKKIM TEACHER ELIGIBILITY TEST  
STRUCTURE AND CONTENT OF SYLLABUS  
(Paper II)**

**I. Child Development and Pedagogy**

**30 Questions**

**(A) Child Development (Elementary School Child)**

**15 Questions**

- Concept of development and its relationship with learning
- Principles of development of children
- Influence of Heredity and Environment
- Socialization processes: Social world and children (Teacher, parents, peers)
- Piaget, Kohlberg and Vygotsky: constructs and critical perspectives
- Concepts of child - centered and progressive education
- Critical perspective of the construct and intelligence
- Multiple Intelligence
- Language and Thought
- Gender as a social construct: gender roles, gender - bias and education practice
- Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion
- Data organization, Graphical representation (Bar Diagram, Histogram, Frequency Polygon, Ogive, Pie and Line Graph), Mean, Mode, Median, Standard Deviation, Average Deviation, Quartile Deviation, Percentiles and Ratio
- Principles of constructing Objective, short answer, essay and Interpretative type
- Characteristic of good test: Reliability, Validity, Objectivity and Usability.

**(A) Concept of Inclusive education and understanding children with special needs**

**5 Questions**

- Addressing learners from diverse backgrounds including disadvantage and deprived.
- Addressing the needs of children with learning difficulties and impairment.
- Addressing the Talented, Creative, Especially abled Learners.
- Mental Health and Mental Hygiene: Concept, causes and remedial Measures.



## (A) Learning and Pedagogy

10 Questions

- How children think and learn: how and why children fail to achieve success in school performance.
- Basic process of teaching and learning: children's strategies of learning and 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 and Emotions.
- Motivation and learning.
- Factors contributing to learning - personal and environmental.
- Personality - Types.
- Constructivism and learning.

## II. Language:

### (A) Language Comprehension

15 Questions

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

### (B) Pedagogy of Language Development

15 Questions

- 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

## III. Mathematics:

30 Questions

### (A) Content

20 Questions

#### Number System

- Knowing our Numbers
- Playing with Numbers
- Whole Numbers
- Real Numbers
- Fractions

#### Algebra

- Introduction to Algebra
- Polynomials
- Remainder Theorem
- Linear Equations up - to two variables
- Ratio and Proportion
- Quadratic Equations

TEST SERIES

Bilingual



# UP B.Ed JEE

## Online Test Series

### (SCIENCE STREAM)

## 5 Full Length Mocks

## Arithmetic Progressions

### Introduction to Trigonometry

- Trigonometric Ratios
- Trigonometric ratios of some specific angles
- Trigonometric Ratios of Complimentary Angles
- Trigonometric Identities

### Some Applications of Trigonometry

- Heights and Distances

### Geometry

- Basic geometrical ideas (2 - D)
- Lines and Angles
- Triangles, Polygons and Circles
- Understanding Elementary Shapes (2 - D and 3 - D)
- Symmetry: (reflection)

### Mensuration

- Surface Area and volumes of cube, cuboid, right circular cylinder, right circular cone, hemisphere and Sphere.

### Coordinate Geometry

#### Data handling

- Pictorial Representation of Data
- Mean, Median and Mode of Grouped and Ungrouped Data
- Probability

#### (B) Pedagogical Issues:

- Nature of Mathematics/Logical thinking
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation
- Remedial Teaching
- Problem of Teaching

#### IV. Science

##### (A) Content:

- Motion
  - Velocity
  - Acceleration
  - circular motion

TEST SERIES

Bilingual



# CG TET PAPER II (MATHS & SCIENCE)

5 Full Length Mocks

TEACHERS  
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10 Questions

30 Questions

- Force and laws of motion
- Gravitation
- Work and energy
- Sound - its speed and characteristics
- Light
  - Reflection
  - Refraction
  - Human eye
- Electricity
  - Ohm's law
  - Resistance
  - Magnetic effect of current
- Air
- Materials from daily life
  - Metals and non - metals
  - Acid, base and salt
  - Carbon and its compounds
- Atoms and molecules
  - Structure of the atom
  - Periodic classification of elements
- Basic chemical reactions and equations
- Water
- Physiological processes in plants and animals
  - Respiration
  - Transportation
  - Reproduction
- Cell - structure and functions
- Tissue - structure and functions
- Forest
- Environment
- Natural resources
- Control and coordination

**(B) Pedagogical Issues:**

- Nature and Structure of Science
  - Aims of Objectives
  - Correlation with other subject i.e. Physics, Chemistry and Biology.
  - Scientific method and inquiry.
- Science Curriculum
  - Recommendation of NCF 2005 on teaching of Science.
- Approaches & Methods of teaching Science.
- Planning and Learning Resources for effective instruction in Science.
  - Unit plan, Lesson Plan & TLMs.
  - Community & Laboratory as a learning Resources.
- Evaluation of Learner progress
  - Tools & Techniques for assessment in Science.
  - Diagnostic & Remedial Teaching in Science.

TEST SERIES

Bilingual



**SIKKIM TET  
PAPER II  
(SOCIAL STUDIES)**

**5 Full Length Mocks**

**TEACHERS**  
**adda247**

**10 Questions**

## V. Social Science:

### (A) Content

40 Questions

#### History:

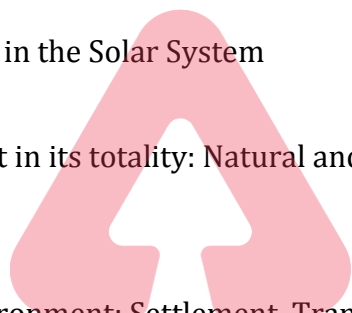
- In the Earliest Cities
- New Questions and Ideas
- Ashoka, the Emperor who Gave up War
- The Delhi Sultanate
- The Mughal Empire
- From Trade to Territory (The Company establishes Power)
- When People Rebel (1857 & After)
- Women, Caste and Reform
- Nationalism in India

#### Geography:

- 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
- Physical Features of India

#### Social and Political Life:

- Key Elements of a Democratic Government
- How the State Government Works
- The Indian Constitution
- Judiciary
- Electoral Politics
- Federalism
- Understanding Marginalisation
- Gender: Women Change the World
- Diversity and Discrimination



TEST SERIES  
Bilingual

reb

**MPTET**  
**PRT 2020**

10 TOTAL TESTS

## (B) Pedagogical Issues:

20 Questions

### I. Concept

- Social Science - Meaning, Importance and branches of Social Science
- Aims and Objectives of Teaching Social Science
- Approaches to teaching Social Science (Discipline based, Interdisciplinary based and Integrated based)

### II. Methods:

1. Different methods of teaching Social Science - Advantages and Disadvantages

- Lecture method
- Discussion method
- Project method
- Source method
- Question Answer method

### III. Activities:

- Various activities to develop skills through the teaching of Social Science

### IV. Development of various skills through the teaching of Social Science

### V. Teaching Learning materials - Meaning, Objectives, Importance and Types

### VI. Lesson Plan - Meaning, Objectives, Importance and Steps

**VII. Evaluation and Assessment** - Meaning, Difference between Evaluation and Assessment, Objectives of Evaluation, Educational objectives according to NCERT model), Types, Tools and Techniques of Evaluation

TEST SERIES

Bilingual



**KVS PRT**  
**30 TOTAL TESTS**

Validity : 12 Months