

An Ideal Platform to Crack the Exam for Leading Institutions in India!

**Mathematical Academy**

IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

## CTET SYLLABUS

### Primary Level

Paper - I : (Classes I to V)

**Child Development and Pedagogy : 30 Questions**

**Child Development (Primary School Child) : 15 Questions**

- 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

**Download the Mathematical Academy from Play Store | Join the Course**

**An Ideal Platform to Crack the Exam for Leading Institutions in India!**

**Mathematical Academy**

IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

- Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and for assessing learner achievement.

### **Concept of Inclusive education and understanding children with special needs : 5 Questions**

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

### **Learning and Pedagogy : 10 Questions**

- 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

### **Language - I : 30 Questions**

### **Language Comprehension : 15 Questions**

**Download the Mathematical Academy from Play Store | Join the Course**

**An Ideal Platform to Crack the Exam for Leading Institutions in India!**

**Mathematical Academy**

IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

- 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)

### **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

### **Language - II : 30 Questions**

#### **Comprehension : 15 Questions**

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

#### **Pedagogy of Language Development : 15 Questions**

- Learning and acquisition
- Principles of language Teaching

**Download the Mathematical Academy from Play Store | Join the Course**

**An Ideal Platform to Crack the Exam for Leading Institutions in India!**

**Mathematical Academy**

**IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER**

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

- **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**

**Mathematics : 30 Questions**

**Content : 15 Questions**

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

**Download the Mathematical Academy from Play Store | Join the Course**

**An Ideal Platform to Crack the Exam for Leading Institutions in India!**

**Mathematical Academy**

IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

### **Pedagogical issues : 15 Questions**

- 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

### **Environmental Studies : 30 Questions**

#### **Content : 15 Questions**

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

### **Pedagogical Issues : 15 Questions**

- Concept and scope of EVS
- Significance of EVS, integrated EVS

**Download the Mathematical Academy from Play Store | Join the Course**

**An Ideal Platform to Crack the Exam for Leading Institutions in India!**

## **Mathematical Academy**

**IIT JAM|CSIR-NET|GATE|PG EXAM|TGT|PGT|OTHER**

Website : [www.mathematicalacademy.com](http://www.mathematicalacademy.com)

Contact Number : 6393098754 , 7081400353

- **Environmental Studies & Environmental Education**
- **Learning Principles**
- **Scope & relation to Science & Social Science**
- **Approaches of presenting concepts**
- **Activities**
- **Experimentation/Practical Work**
- **Discussion**
- **CCE**
- **Teaching material/Aids**
- **Problems**



- **Download the Mathematical Academy App from Play Store**
- **Join the Course & Include Test Series**
- **Contact No : 6393098754 , 7081400353**

**Download the Mathematical Academy from Play Store | Join the Course**