



# **ACST**

**(Admission Cum Scholarship Test)**

## **SYLLABUS & PATTERN**

**For Class 11 Studying Students (Stream: Engineering)**



### **PHYSICS**

- 1. Vector & Basis Mathematics
- 2. Kinematics
- 3. Laws & Motion
- 4. Circular Motion
- 5. Work, Power & Energy



### **CHEMISTRY**

- 1. Some Basis Concepts of Chemistry
- 2. Atomic Structure
- 3. Classification of Elements & Periodicity in Properties
- 4. Chemical Bonding



### **MATHS**

- 1. Basic Mathematics & Inequalities
- 2. Set Theory
- 3. Modulus & Logarithmic Functions
- 4. Quadratic Equation
- 5. Sequence & Series
- 6. Trigonometric Ratios & Identities

**OFFLINE EXAM PATTERN:** No. of Ques. = 50 (16 Single Correct Type Objective Ques. in Physics & Chemistry Each + 18 Single Correct Type Objective Ques. in Mathematics) | Paper Duration: 2 hrs. | Total Marks: 200 (Marking Scheme: +4 for Correct Answer, -1 for Incorrect Answer)

**ONLINE EXAM PATTERN:** No. of Ques. = 25 (8 Single Correct Type Objective Ques. in Physics & Chemistry Each + 9 Single Correct Type Objective Ques. in Mathematics) | Paper Duration: 1 hr. | Total Marks: 100 (Marking Scheme: +4 for Correct Answer, -1 for Incorrect Answer)

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