



# 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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