

# Holy Cross

## Scholarship Test Syllabus

### Class : XI Mathematics



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## Scholarship Test

### PHYSICS

30 Questions

- Physical World
- Units and Measurements
- Motion in a Straight Line
- Motion in a Plane
- Laws of Motion
- Work
- Energy and Power

### CHEMISTRY

30 Questions

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements And Periodicity in Properties
- Chemical Bonding and Molecular Structure

### MATHEMATICS

30 Questions

- Sets
- Relation & Function
- Trigonometric Function
- Complex Numbers
- Linear Inequalities
- Permutations & Combinations

### MENTAL ABILITY

10 Questions

- Coding - Decoding
- Blood Relationship Test
- Direction & Distance
- Ranking & Ordering Test
- Cube & Dice
- Clock & Calendar
- Counting Figure
- Syllogism
- Analogy
- Classification
- Series
- Venn-diagram
- Arithmetic Reasoning
- Seating Arrangement
- Non-verbal Reasoning

### EXAM PATTERN

- **Duration:** The exam paper consists of 100 multiple-choice questions to be solved in 2 hours.
- **Medium:** Exam papers will be available in both Hindi and English.
- **Unattempted Questions:** No marks will be deducted for questions not attempted.
- **Correct Answers:** Each correct answer will be awarded 4 marks. **Wrong Answers:** 1 mark will be deducted for each wrong answer.