

### PHYSICS



- Basic mathematics
- Vector Analysis
- Units and dimensions with error analysis
- Kinematics
- Newton's Laws of motion with friction
- Work power and energy

### CHEMISTRY



- Periodic Classification of Elements
- Chemical Bonding
- Atomic Structure
- Some Basic Concepts of Chemistry
- Chemical thermodynamics
- Thermochemistry
- Chemical Equilibrium

### MATHEMATICS



- Basic Maths
- Logarithms
- Inequalities
- Sets
- Trigonometric ratio and Identities
- Quadratic equations (Theory of Equations)
- Binomial Theorem (including factorial representation)
- Sequence & Series

### IQ



- Blood Relations
- Calender Problems
- Coding Decoding
- Counting figures
- Direction Problems
- Missing Numbers
- Number Series
- Mirror images
- Ranking & Ordering
- Seating arrangements
- Statement -Conclusions
- Venn diagrams
- Syllogism

### Exam Pattern

#### Pattern of Questions

80 Objective Type Questions  
MCQs of 4 choices (single correct answer)

#### Marking Scheme

+4 for correct answer & -1 for wrong answer  
(Negative Marking)

#### Question Distribution

Physics: 20, Chemistry: 20, Math: 20, IQ: 20

#### Medium: English Only

Duration: 2 Hours.

It is Compulsory to take seat in exam hall at least 30 minutes before test to fill OMR.