

ALLEN Scholarship Admission Test (ASAT)



SYLLABUS & PATTERN

CLASS-XII

PHYSICS



- Circular Motion
- Fluid Mechanics
- Kinematics and Laws of Motion
- Physical World and Measurement
- Rigid Body Dynamics
- System of Particles
- Work Power and Energy

CHEMISTRY



- Chemical Bonding and Molecular Structure
- Chemical Equilibrium
- Classification of Elements and Periodicity in Properties
- Ionic Equilibrium
- s-Block & hydrogen
- Some Basic Concepts of Chemistry
- States of Matter : Gases and Liquids
- Structure of Atom

BIOLOGY



- Biomolecules
- Cell Biology (Cell Cycle & Cell Division)
- Diversity of Animals
- Living World
- Plant Kingdom
- Structural organization in Plants & animals

MATHEMATICS



- Binomial Theorem
- Circles
- Complex Numbers
- Linear Inequalities
- Quadratic Equations
- Quadratic Inequalities
- Sequence and Series
- Sequence Differential method
- Straight Lines
- Trigonometric Functions

IQ



- Blood Relation
- Dices
- Coding and Decoding
- Calendar
- Cubes
- Counting of Figures
- Clock
- Direction Sense
- Series
- Ranking Test
- Water Mirror Images

EXAM PATTERN

Paper Pattern

Part-1 : IQ, Part-2: Physics; Chemistry; Biology; Mathematics

OFFLINE

Pattern of Questions :

80 Questions

Duration of Exam :

120 Minutes

Marking Scheme

+4 for correct answer, -1 for wrong answer

No negative marking in Part-1

Questions Distribution For Offline

Physics: 20, Chemistry: 20, Biology: 20/Mathematics : 20, IQ : 20

Note :-

For Offline ASAT:- It is compulsory to reach ASAT examination test center atleast **30 minutes** before exam starting time along with **ASAT admit card**.

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