

# 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

	ONLINE	OFFLINE
<b>Pattern of Questions :</b>	120 Questions	80 Questions
<b>Duration of Exam :</b>	90 Minutes	120 Minutes

#### Marking Scheme

+4 for correct answer, -1 for wrong answer

No negative marking in Part-1

#### Questions Distribution For Online

Physics: 30, Chemistry: 30, Biology: 30/Mathematics : 30, IQ : 30

Website to appear in online ASAT [www.asat.onlinetestseries.in](http://www.asat.onlinetestseries.in)

#### Questions Distribution For Offline

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

Note :-

**For Online ASAT:-** It is compulsory to login at least **30 minutes** before exam starting time.

**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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