SSAT SYLLABUS & PATTERN

EXAM PATTERN

Mode	Online / Offline
Syllabus Pattern	· Section A (Mathematics & Statistics) : 20 Questions · Section B (Physics) : 20 Questions · Section C (Chemistry) : 20 Questions · Section D (General Awareness) : 30 Questions
Total Questions	90
Total Time Allocated	90 Minutes
Question Type(s)	Discrete; MCQs with four options

SSAT SYLLABUS

Section A (Mathematics & Statistics)

- Algebra
- Three-Dimensional Geometry
- Calculus
- Coordinate Geometry
- Trigonometry
- Binomial Theorem and its Applications
- Statics and Probability
- Sequence and Series

Section C (Chemistry)

Physical Chemistry

- Basic concept of chemistry
- Chemical thermodynamics Solution
- State of matter
- Equilibrium electrochemistry
- Atomic structure
- Surface chemistry
- Chemical bonding and molecular structure

Inorganic Chemistry

- Basic concept of chemistry
- Hydrogen
- Block elements
- Environmental chemistry

Section B (Physics)

- Physical World & Measurements
- Oscillations & Waves
- Kinematics
- Electrostatics
- Laws of Motion
- Magnetic Effects of Currents & Magnetism
- Work Energy & Power
- Electromagnetic Induction & Alternating Currents
- Gravitation
- Thermodynamics
- Electromagnetic Waves
- Behaviour of Perfect Gas & Kinematic Theory
- Atom Molecule & Nuclei
- Electromagnetic Device

Section D (General Awareness)

General Knowledge - Aviation

- Introduction to Aviation
- Aviation Vocabulary and Terminology
- Governing Aviation Authorities
- Aviation Laws & Regulations
- Type of Companies Under Aviation Industry
- Responsible Personnel in Aviation Industry
- Indian Aviation Policies
- Type of Aircraft Operation
- Aviation Statistics

General English

- Reading Comprehension:.
- Sentence Completion
- Error Detection and Correction
- Fill in the Blanks
- Active and Passive Voice
- Direct and Indirect Speech
- One-word Substitution
- Antonyms and Synonyms
- Essay Writing
- Spelling Check