

SUAT Exam Pattern

Name of the Subject	No of Questions/ Marks	Total Time
Biology	20 Questions/ 20 Marks	1 Hour 30 Minutes
Chemistry	20 Questions/ 20 Marks	
Physics	20 Questions/ 20 Marks	
English Communication	20 Questions/ 20 Marks	
General Aptitude	20 Questions/ 20 Marks	
Total Questions/ Marks	100 Questions/ 100 Marks	

Physics

- Electrostatics
- Current Electricity, Magnetism
- Bulk properties of matter
- Viscosity
- Thermodynamics
- Kinetic theory of gases
- Oscillations & Waves
- Periodic motion
- Physical World
- Measurements
- Units & dimensions
- Kinematics
- Laws of motion
- Gravitation
- Electromagnetic waves
- Optics I (Ray optics)
- Optics II (Wave Optics)
- Particle nature of light
- wave-particle dualism
- Atomic Physics
- Nuclear Physics
- Solid state Electronics

Chemistry

- Atoms
- Molecules and Chemical Arithmetic
- Hydrogen
- Chemistry of Non-Metallic Elements
- Compounds in Industry
- Surface Chemistry
- Polymers
- Environmental Chemistry
- Chemistry of Metals
- Chemistry of Carbon Compounds
- Compounds
- Haloalkanes and Haloarenes

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- Alcohols
- Application Oriented chemistry
- Principles of Qualitative Analysis
- Atomic Structure
- Radioactivity and Nuclear Chemistry
- The Periodic Table
- Chemical Families
- Chemical Bonding
- Molecular Structure
- Coordination Compounds
- Solid State
- Liquid State
- Gaseous State
- Chemical Energetic
- Chemical Dynamics
- Physical Chemistry of Solutions
- Ionic and Redox Equilibria

English Communications

- Substitution
- Synonyms
- Antonyms
- Sentence Completion
- Prepositions
- Transformation
- Active and Passive Voice
- Spotting Errors
- Passage Completion
- Sentence Arrangement
- Idioms and Phrases
- Sentence Improvement
- Para Completion
- Spelling Test
- Joining Sentences
- Fill in the blanks
- Error Correction (Phrase in Bold)
- Error Correction (Underlined Part)

General Aptitude

- Problems on Trains
- Height and Distance
- Simple Interest
- Profit and Loss
- Percentage
- Calendar
- Average
- Volume and Surface Area
- Numbers
- Problems on H.C.F and L.C.M
- Simplification
- Surds and Indices
- Chain Rule
- Boats and Streams
- Logarithm
- Stocks and Shares
- True Discount
- Odd Man Out and Series
- Time and Distance
- Time and Work
- Compound Interest
- Partnership
- Problems on Ages
- Clock
- Area
- Permutation and Combination
- Problems on Numbers
- Decimal Fraction
- Square Root and Cube Root
- Ratio and Proportion
- Pipes and Cistern
- Allegation or Mixture
- Races and Games
- Probability
- Banker's Discount

Biology

- Diversity in Living World
- Reproduction
- Structural Organization in Plants and Animals
- Genetics and Evolution
- Cell Structure and Function
- Improvement in Food Production
- Plant Physiology
- Microbes in Human Welfare
- Human physiology
- Biotechnology and Its Applications
- Ecology and environment