

Paper I - Mental Ability Test

General Intelligence

- Blood Relations
- Arrangements
- Arithmetical Reasoning
- Mathematical Operations
- Venn diagrams
- Number Series
- Figural Pattern
- Non-Verbal Series
- Coding-Decoding
- Logical Venn Diagrams
- Cubes and Dice
- Analogies
- Directions
- Number, Ranking & Time Sequence
- Number Ranking
- Figurative Classification
- Classification

Quantitative Aptitude

- Compound Interest
- Numbers and Ages
- Mixtures and Allegations
- Percentages
- Simple Equations
- Quadratic Equations
- Boats and Streams
- Simple Interest
- Areas
- Time and Distance
- Indices and Surds
- Simplification and Approximation

- Time and Work Partnership
- Ratio and Proportion
- Problems on Trains
- Volumes
- Profit and Loss
- Odd Man Out
- Races and Games
- Averages
- Mensuration
- Permutations and Combinations
- Probability
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Problems on Numbers

Reasoning

Verbal Reasoning

- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Eligibility Test
- Analogy
- Series Completion
- Directions
- Test on Alphabets
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding- Decoding

- Assertion and Reasoning
- Arithmetical Reasoning
- Operations of Mathematics

Non-Verbal Reasoning

- Water Images
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Forming figures and analysis
- Construction of squares and Triangles
- Series
- Rules Detection
- Dot Situation
- Identical figure groupings
- Analogy
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Cubes and Dice

Paper II - General Awareness & English

General Awareness

- Science & Technology
- Indian Geography
- IT & Space etc
- Indian Economy
- Passage Completion
- Substitution
- Indian History
- Indian Culture & Heritage
- Current Events – National & International

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

Paper III - Concerned Subjects

Chemical Engineering

- Organic Reactions.
- Photochemistry.
- Reaction Dynamics.
- Electrochemistry.
- Stereochemistry.
- Transition Metal Chemistry.
- Atoms and Molecules.
- Spectroscopic Techniques.

Mechanical Engineering

- Turbo Machinery

- Thermodynamics and Heat transfer
- Power Plant Engineering
- Renewable Sources of Energy
- Engineering Materials
- Mechanisms and Machines
- Design of Machine Elements
- Manufacturing
- Industrial and Maintenance Engineering
- Mechatronics and Robotics
- Engineering Mechanics
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning

Electrical & Electronics Engineering

- Computer Organization and Architecture
- Electro Magnetics
- Advanced Electronics Topics
- Advanced Communication Topics
- Basic Electronics Engineering
- Electronic Measurements and Instrumentation
- Network Theory
- Analog and Digital Circuits
- Basic Electrical Engineering
- Materials Science
- Analog and Digital Communication Systems
- Control Systems