

# Syllabus

## APTITUDE

- Number System
  - Divisibility
  - Numbers and Decimal Fractions
  - Number System and HCF & LCM
- Measurement
  - Geometry
  - Shapes, Area & Perimeter
- Arithmetic Ability
  - Ages
  - Averages
  - Equations
  - Probability
  - Percentages
  - Profit & Loss
  - Work and Time
  - Clocks and Calendar
  - Ratio and Proportion
  - Series and Progressions
  - Allegations and Mixtures
  - Distance, Speed and Time
  - Problems on Train
  - Permutations and Combinations
- Elementary Statistics
  - Mean, Median, Mode, Standard Deviation, and Variance
- Data Interpretation
  - Tabular Data Interpretation
  - Graphical Data Interpretation
  - Pie Charts Data Interpretation
- Simplifications & Approximations
  - Simple Arithmetic Calculations

## REASONING

- Identifying Word
  - Questions and Answers on Word Series
  - Questions on Word Pattern
- Numeric Patterns
  - Problems asked on Number Series
- Problem Solving
  - Problems based on Blood Relations
  - Questions and Answers on Data Arrangements
  - Questions on Seating Arrangements

- Questions on Direction
- Figural and Factual Analysis
  - Questions and Answers on Cube Folding, Paper Cuts, and Folds
- Decision Making
  - Problems on Decision Making
  - Questions on Data Sufficiency
  - Questions and Answers on Syllogism
- Propositional Reasoning
  - Questions on Statements and Conclusions
  - Problems based on Logical Venn Diagram and DI
- Visual/Spatial Reasoning
  - Problems based on Visual Reasoning
- Puzzles

## **VERBAL ABILITY**

- English Grammar
  - Spelling
  - Grammar
  - Selecting Words
  - Error Correction
  - Passage Ordering
  - Error Identification
  - Sentence Completion
  - Synonyms and Antonyms
- Reading Comprehension

## **PROGRAMMING LOGIC**

- Data Types
- Functions and Scope
- Recursion and Iteration
- Questions on File Handling
- Questions on Array
- Questions on Variables and Registers
- Loops
- Command Line Argument
- OOPS Concepts
- Input-Output Questions
- Stacks and Queue
- Linked List
- Trees
- Graphs
- Dynamic Programming and Greedy
- Hashing
- Searching and Sorting
- Time Complexity

and more topics from computer science

## **CODING**

- Basic Coding
- Recursion
- Backtracking
- Intermediate Coding