

CRT APTITUDE TOPICS

1. Quantitative Aptitude

Number Systems & Simplifications (Basics)

- Number Systems
- Simplification
- Decimal Fraction, Square Root & Cube Root
- HCF & LCM
- Remainders
- Factorial & Unit Digit (Only Site Questions)

Arithmetic Topics (Percentages to Ratios)

- Percentages
- Profit & Loss
- Successive Discounts (True & Banker's)
- Averages
- Mixtures & Alligation
- Ratio & Proportion

Work & Time-Based Problems

- Time & Work
- Pipes & Cisterns
- Time, Speed, and Distance
- Boats & Streams & Trains

Age, Partnership, and Related Problems

- Ages Problems
- Partnership

Interest and Investments

- Simple & Compound Interest
- Stocks & Shares
- Logarithms

Probability & Combinatorics

- Permutations & Combinations

- Probability

Mensuration & Geometry

- Mensuration (Area, Volume, Surface Area)
- Height & Distance

Miscellaneous & Site-Specific

- Simplification & Chain Rule (Only Site Questions)
 - Races and Games & Odd Man Out Series
 - Indices & Surds
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2. Logical / Verbal Reasoning

Foundation Topics

- Blood Relations
- Directions
- Coding-Decoding
- Syllogisms
- Venn Diagrams
- Analogies

Arrangement & Positioning

- Seating Arrangements (Linear & Circular)

Calendar & Clock Based

- Clocks & Calendars

Logical Decision-Making

- Statement & Conclusions
- Data Sufficiency

Series & Pattern Identification

- Series (Number, Letter, Symbol)
- Truth Verification / Arithmetic Reasoning / Puzzles

Data Handling & Interpretation

- Data Interpretation (Tables, Bar Graphs, Pie Charts)

Soft-Skills Topics

1. Verbal Ability (English)

1. Basic Grammar Fundamentals

- Nouns & Pronouns
- Articles
- Adverb & Adjectives
- Prepositions
- Conjunctions
- Tenses
- Subject-Verb Agreement

2. Vocabulary Building

- Synonyms
- Antonyms
- One-word Substitution
- Selecting Words
- Idioms and Phrases
- Spellings

3. Sentence and Word Usage

- Sentence Formation
- Ordering of Words
- Sentence Correction
- Sentence Improvement
- Completing Statements
- Spotting Errors
- Error Spotting
- Fill in the Blanks
- Active & Passive Voice (Change of Voice)
- Direct & Indirect Speech (Change of Speech)

4. Paragraph and Logical Arrangement

- Para Jumbles
- Ordering of Sentences
- Paragraph Formation
- Closet Test (Cloze Test)

5. Comprehension and Analytical Skills

- Reading Comprehension
- Comprehension
- Logical Reasoning
- Non-Verbal Reasoning (Only on Sites)
- Verbal Analogies

6. Revision and Practice

- Mixed Practice of All Sections
- Timed Mock Tests
- Previous Year Papers

2. Group Discussion (GD) Topics (*for some companies*)

- Current Affairs
- Social Issues
- Abstract Topics
- Case Studies

3. Personal Interview (HR + Technical) Preparation

- Self-Introduction
- Academic Projects
- Basic Technical Questions
- Strengths and Weaknesses
- Situational and Behavioral Questions

COMPUTER FUNDAMENTALS Technical Interview & CRT Tests

- C / C++ / Java / Python (Basics C Coding)
- Basic Coding Problems (Pattern Printing, Arrays, Strings)
- OOPs Concepts
- Data Structures (Stacks, Queues, Linked Lists, Trees)
- DBMS (SQL Basics)
- Operating Systems Basics
- Computer Networks Basics
- Software Engineering Basics