

Topic to prepare for the competitive examinations & placement drives

- **Quantitative Aptitude**

- Number System & Number Theory – Types of Numbers and Divisibility, HCF and LCM, Factors, Unit's digit, Remainder and Base Conversion
- Arithmetic
 - Average – Simple and Weighted Average, Average age problems, mixtures, average age of Consecutive numbers and Mean, Median & Mode
 - Percentage – Direct and Change percentage, Successive Percentage, Questions based on Elections and Marks
 - Profit and Loss & Simple and Compound Interest
 - Ratio and Proportions
 - Mixtures and Alligations
 - Chain Rule (Proportionality)
 - Time and Work
 - Time, Speed and Distance
- Algebra
 - Simplification – Linear Equations (Word Problems)
 - Simplification – Surds and Indices
 - Simplification
 - Progression (Arithmetic Progression & Geometric Progression)
 - Quadratic Equations
- Geometry
 - Lines and Angles
 - Triangles
 - Quadrilaterals
 - Polygons and Circles
 - 3D Geometry
- Modern Mathematics
 - Permutations and Combinations
 - Probability
 - Set Theory & Ven Diagrams

- **Logical Reasoning**

- Series
- Coding & Decoding
- Direction Sense
- Clocks
- Calendars
- Arrangements (Seating, Ranking and Data)
- Puzzles

- **Verbal Ability**

- Grammar: Understanding and applying rules related to punctuation, tenses, sentence structure, and more.
- Vocabulary: Building a strong vocabulary through daily learning and practice.
- Reading Comprehension (RC): Ability to understand and interpret passages from various fields such as philosophy, literature, and science.
- Synonyms and Antonyms: Identifying words with similar or opposite meanings.
- Cloze Test: Filling in missing words in a passage to maintain its coherence.
- Error Detection: Identifying grammatical or contextual errors in sentences.
- Fill in the Blanks: Completing sentences with appropriate words or phrases.
- Idioms and Phrases: Understanding and using idiomatic expressions correctly.
- Jumbled Words/Paragraphs: Rearranging words or sentences to form a coherent passage.
- Match the Columns: Matching words or phrases from one column to another.
- One Word Substitution: Finding a single word that can replace a phrase or sentence.
- Logical Arrangement of Words: Arranging words in a logical sequence to form a meaningful sentence or passage.
- Sentence Completion: Choosing the correct word or phrase to complete a sentence.
- Sentence Improvement: Enhancing sentences by replacing words or phrases to improve clarity or correctness.