

2ND YEAR

Reasoning:

Series, Odd One Out, Directions, Coding-Decoding, Blood Relations, Ranking, Syllogism, Logical Puzzles

Aptitude:

Percentages, Ratios, Averages, Profit & Loss, Time–Work, Time–Speed, Interest, Probability, Algebra, Geometry, Data Interpretation

Basic Coding (C, Java, Python):

Syntax, Data Types, Operators, Conditionals, Loops, Arrays, Strings, Functions, Recursion, Basic SQL

3RD YEAR

Reasoning:

Series, Coding-Decoding, Blood Relations, Ordering, Syllogisms, Analogies, Complex Puzzles

Aptitude:

Profit & Loss, Time–Work, Speed–Distance, Compound Interest, Probability, Permutation, Algebra, Geometry, Data Interpretation

Programming:

C – Arrays, Pointers, Functions

Java – OOP, Inheritance, Exceptions

Python – Lists, File Handling

DBMS – Joins, Keys, Queries, Constraints

4TH YEAR

Programming:

C, Java, Python, DBMS – Advanced Concepts, OOP, File Handling, Pointers, SQL, Normalization, Joins, Transactions

Ethical Hacking:

Footprinting, Scanning, Malware, SQL Injection, Tools (Nmap, Wireshark), Cyber Laws

Machine Learning & Deep Learning:

Regression, Classification, CNN, RNN, Overfitting, TensorFlow, PyTorch

Reasoning & Aptitude (Review):

Logical, Verbal, Non-Verbal, Arithmetic, Data Interpretation