■ Baseline Test Study Plan – Java, DSA, Aptitude

■ 1. Java – Basics to Intermediate (30 marks expected)

• Data types, loops, conditionals (if, switch, for, while)
• OOP concepts – class, object, inheritance, polymorphism, abstraction, encapsulation
• Array & String manipulation
• Exception Handling
• Collections basics – ArrayList, HashMap
• File handling basics

Resources:
- W3Schools Java: https://www.w3schools.com/java/
- Java Programming by Apna College (YouTube)
- HackerRank Java Track: https://www.hackerrank.com/domains/tutorials/10-days-of-java

■ 2. DSA – Must Know Patterns (40 marks expected)

• Arrays & Strings – Reverse, rotate, sum pairs, max/min
• Searching & Sorting – Binary search, bubble/selection/insertion sort
• LinkedList Basics
• Stacks and Queues Basics
• Recursion
• Basic Time Complexity concepts

Resources:
- Love Babbar DSA Sheet (Top 50 Questions)
- GeeksforGeeks: https://practice.geeksforgeeks.org/
- LeetCode Easy: https://leetcode.com/problemset/all/?difficulty=Easy

■ 3. Aptitude – Logic & Math (30 marks expected)

• Number Series, Simplification
• Time & Work, Time & Distance
• Ratio & Proportion
• Percentages, Profit & Loss
• Simple Interest/Compound Interest
• Logical Reasoning (Blood relation, directions, syllogism)

Resources:
- IndiaBix: https://www.indiabix.com/aptitude/questions-and-answers/
- RS Aggarwal Aptitude Book (PDF)
- Testbook / Oliveboard daily quizzes

■■ Suggested 7-Day Plan

Day	Focus
1	Java Basics + Aptitude: Number Systems
2	Java OOP + Arrays in DSA
3	Java Strings + Recursion + Ratios

4	Exception + Collections + Sorting
5	DSA Stacks + Queues + Time & Work
6	Aptitude Practice + Mock Test
7	Full Test Revision + Mock Test

■ Bonus Tip:
Use this format for daily prep:
- Morning – Aptitude (30 mins)
- Afternoon – Java Concepts + 2 code problems
- Evening – DSA Problem Solving