■ DSA Mock Tests (12 Weeks + Final Grand Test)

Mock Test 1 (Arrays)

1. Rotate Array
2. Two Sum
3. Maximum Subarray
4. Merge Sorted Array
5. Missing Number

Mock Test 2 (Strings)

1. Valid Anagram
2. Longest Common Prefix
3. Valid Palindrome
4. Longest Substring Without Repeating Characters
5. Group Anagrams

Mock Test 3 (Recursion & Backtracking)

1. Subsets
2. Permutations
3. N-Queens
4. Word Search
5. Combination Sum

Mock Test 4 (Searching & Sorting)

1. Binary Search
2. Search in Rotated Sorted Array
3. Merge Intervals
4. Sort Colors
5. Kth Largest Element in an Array

Mock Test 5 (Linked List)

1. Reverse Linked List
2. Linked List Cycle
3. Merge Two Sorted Lists
4. Remove Nth Node From End of List

5. Palindrome Linked List

Mock Test 6 (Stack & Queue)

1. Valid Parentheses
2. Min Stack
3. Implement Queue using Stacks
4. Next Greater Element I
5. Sliding Window Maximum

Mock Test 7 (Hashing & Maps)

1. Two Sum
2. Longest Consecutive Sequence
3. Subarray Sum Equals K
4. Top K Frequent Elements
5. Find Duplicate Number

Mock Test 8 (Trees)

1. Binary Tree Inorder Traversal
2. Binary Tree Level Order Traversal
3. Diameter of Binary Tree
4. Balanced Binary Tree
5. Lowest Common Ancestor of a BST

Mock Test 9 (BST & Heaps)

1. Validate Binary Search Tree
2. Kth Smallest Element in a BST
3. Merge k Sorted Lists
4. Find Median from Data Stream
5. Heap Sort (GFG)

Mock Test 10 (Graphs)

1. Number of Islands
2. Clone Graph
3. Course Schedule
4. Network Delay Time
5. Minimum Spanning Tree (GFG)

Mock Test 11 (Dynamic Programming)

1. Climbing Stairs
2. Coin Change
3. Longest Increasing Subsequence
4. Longest Common Subsequence
5. Edit Distance

Mock Test 12 (Mixed Advanced)

1. Word Break
2. Maximum XOR of Two Numbers in an Array
3. Range Sum Query - Segment Tree
4. Redundant Connection (Union-Find)
5. Sudoku Solver

Final Grand Mock Test

1. Rotate Image
2. Median of Two Sorted Arrays
3. Trapping Rain Water
4. Word Ladder
5. Serialize and Deserialize Binary Tree
6. Maximal Rectangle
7. Burst Balloons
8. Regular Expression Matching
9. Alien Dictionary (GFG)
10. Knapsack Problem (GFG)