

Generated Question Paper

Exam Type: Theory

Total Marks: 70

1. Detect a cycle in a directed graph using DFS.
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3. Find the shortest path in an unweighted graph.
4. Implement Kadane's Algorithm for maximum subarray sum.
5. Implement Kadane's Algorithm for maximum subarray sum.
6. Solve the 0/1 Knapsack problem using Dynamic Programming.
7. Find the minimum number of coins required to make a given amount.
8. Find the lowest common ancestor (LCA) of two nodes in a binary tree.
9. Implement preorder, inorder, and postorder traversal of a binary tree.