Generated Question Paper

Exam Type: Practical

Total Marks: 70

1. Find the lowest common ancestor (LCA) of two nodes in a binary tree.

2. Implement preorder, inorder, and postorder traversal of a binary tree.

3. Solve the rod cutting problem using Dynamic Programming.

4. Find the second largest element in an array.

5. Compute the nth Fibonacci number using DP.

6. Find the shortest path in an unweighted graph.

7. Solve the rod cutting problem using Dynamic Programming.

8. Find the minimum number of coins required to make a given amount.

9. Find the minimum number of coins required to make a given amount.

10. Compute the nth Fibonacci number using DP.

11. Write a function to rotate an array by k positions.

12. Solve the rod cutting problem using Dynamic Programming.