

UNIT-2: Greedy Method

Most Important Questions

1. Construct Huffman Tree and generate Huffman Codes.
2. Explain Huffman Coding with example.
3. Write applications of Huffman Coding.
4. Solve Job Sequencing with Deadlines problem.
5. Explain Greedy Strategy and Greedy Choice Property.
6. Construct Minimum Spanning Tree using Prim's Algorithm.
7. Explain Kruskal's Algorithm with example.
8. Solve Single Source Shortest Path using Dijkstra's Algorithm.
9. Solve Fractional Knapsack Problem using Greedy Method.
10. Explain Optimal Merge Pattern with example.

Frequently Asked Short Questions

- What is Greedy Method?
- Define Greedy Choice Property.
- Define Optimal Substructure.
- Difference between Prim's and Kruskal's Algorithm.
- Applications of Greedy Algorithms.