

UNIT-3: Dynamic Programming

Most Important Questions

1. Solve 0/1 Knapsack Problem using Dynamic Programming.
2. Explain Dynamic Programming Concept.
3. Explain Memoization and Tabulation.
4. Explain Floyd-Warshall Algorithm with example.
5. Solve shortest path problem using Floyd-Warshall.
6. Explain Multistage Graph using Dynamic Programming.
7. Find minimum cost path in Multistage Graph.
8. Explain Reliability Design Problem.
9. Difference between Dynamic Programming and Greedy Method.
10. Explain Optimal Substructure and Overlapping Subproblems.

Frequently Asked Short Questions

- What is Dynamic Programming?
- Define Memoization.
- Define Tabulation.
- Applications of Dynamic Programming.
- Advantages of Dynamic Programming.