

DESIGN AND ANALYSIS OF ALGORITHMS

SUBJECT CODE : PCC-CS 494

EVEN SEMESTER_2025

ASSIGNMENT:

1. N- Queens Problem.
2. Graph Colouring Problem.
3. Hamiltonian Circuit Problem.
4. Job Sequencing With Deadline Problem.
5. Fractional knapsack Problem.
6. Dijkstra's Algorithm.
7. Prim's Algorithm to Find the MST from a Graph.
8. Multistage Graph.
9. Bellman Ford Algorithm.
10. Floyd Warshall Algorithm.
11. Weighted Union Algorithm.
12. Collapsing Find Algorithm.
13. Quick Sort Algorithm.
14. Merge Sort Algorithm.
15. Matrix Chain Multiplication Algorithm.
16. 0/1 Knapsack Problem.
17. Travelling Salesman Problem (TSP).
18. 15 Puzzle Problem.