



**Department of Computer Engineering**  
**A.Y. 2022-23 (Even Semester)**  
**Continuous Assessment: Term Test – I**  
**Course: Analysis of Algorithm**

**Syllabus for Term Test 2**

Chapter	Topic
3	<b>Dynamic Programming:</b> 0/1 knapsack, All Pair Shortest Path, Travelling salesman problem, Longest common subsequence problem.
4	<b>Greedy Approach General strategy,</b> Knapsack problem, Single Source shortest path, Job Sequencing with deadline.
5	<b>Backtracking Strategy:</b> General strategy, nqueen problem, graph coloring, sum of subset problem.
6	<b>String Matching Algorithms:</b> The naïve string matching Algorithms ,The Rabin Karp algorithm, String matching with finite automata, The Knuth Morris Pratt algorithm.

\*\*\*\*\* All the best \*\*\*\*\*