**DAOA Practical Examination List**

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| **Sr. No** | **Program to implement** |
| 1 | Implementations of Quick Sort using divide and conquer algorithm. (Pivot at the first or last position) |
| 2 | Implementations of Merge Sort using divide and conquer algorithm. |
| 3 | Implementation of minimum spanning tree using greedy algorithm (Prims’s algorithm). |
| 4 | Implementation of minimum spanning tree using greedy algorithm (Kruskal’s algorithm). |
| 5 | Implementation of Knapsack problem using greedy algorithm. |
| 6 | Implementation of Matrix chain multiplication using dynamic programming. |
| 7 | Implementation of Coin Change Problem using dynamic programming. |
| 8 | Implementation of Travelling Salesman Problem using dynamic programming. |
| 9 | Implementation of Longest Common Subsequence (LCS) using dynamic programming. |
| 10 | Implementation of 8-queen problem using backtracking. |
| 11 | Implementation of Sum of subsets using backtracking. |
| 12 | Implementation of Job Scheduling Problem using greedy algorithm |
| 13 | Implementation of Huffman code using greedy algorithm. |
| 14 | Implementation of Coin Change Problem using greedy algorithm. |
| 15 | Implementation of Knuth-Morris-Pratt algorithm for string matching. |