

Importance

Numericals

- Job sequencing with dead lines(MUST DO)
- Minimum cost spanning tree(MUST DO)
 - a. prim's algo
 - b. kruskal's algo
- N-Queen problem(MUST DO & EASY)
- Sum of Sub set(MUST DO & EASY)
- Graph coloring(MUST DO & EASY)
- 15-Puzzle Problem(EASY)
- Traveling sales person problem(MUST DO)
- Pattern matching Sort
 - a. LCS
 - b. KMP

Numericals to do at last

- Knapsack Problems
- Optimal storage on tapes(Do if ready with knapsack problem)
- Quick start & merge sort

Theory

- Randomized Algo
- Dijkstra's Algo
- Max-min problems
- Binary search method

Short Notes

- Strassen's matrix multi
- Flow shop scheduling
- Multiplying long integer problems
- Multi stage Problems

Do share with your friends and help them :)