

ADS Lab Evaluation Questions

S. No.	Topics to be covered	Max. Intended Date of Evaluation
1 st Evaluation	Arrays, Stacks Queues (Insertion, Deletion, Splitting, Merging, Union, Intersection, Traversal)	20 th August
2 nd Evaluation	Sorting & Linked List (Sorting: Bubble Sort, Quick Sort, Counting Sort , Linked List: Insertion, Deletion, Traversal)	12 th September
3 rd Evaluation	Binary Tree, Binary Search Tree (Insertion, Deletion, Traversals: Pre-order, Post-order, In-order)	3 rd October
4 th Evaluation	Traversal: BFS, DFS ; Minimum Spanning Trees: Prim's & Kruskal's	17 th October
5 th Evaluation	String Matching Algo's: KMP, Rabin-Karp Algorithms	5 th November
6 th Evaluation	Greedy & Dynamic Approach: Partial & 0-1 Knapsack.	21 st November
7 th Evaluation	Backtrack/ Branch & Bound: n-Queen Problem Approximation Algorithms: TSP	5 th December