

Some Likely Questions in DSAA:

Theory

1. Linear and Non-Linear DS or Different types of DS
2. Asymptotic Notation (Big Oh, Omega, Teta)
3. Binary Tree Traversal
4. Graph Representation in Computer Memory.
5. DFS and BFS Traversal
6. Minimum Spanning Tree
7. Prims and Kruskals Algorithm
8. Complexity of Quick Sort
9. Hashing (especially collision resolution techniques)

Programs

1. Stack using array
2. Queue using array
3. Infix to Postfix
4. Singly Linked List
5. Doubly Linked List
6. Binary Search Tree – Create, Traverse, delete a node.
7. Quick Sort
8. Insertion Sort
9. Shell Sort

Exercises

1. Finding minimum spanning tree using Prim or Kruskal algorithm.
2. Construct binary search tree from inorder and postorder (or preorder) traversal.

Question Papers

For Qs. Papers of past exams, use "Other Useful Stuff" link in your DS app. However keep in mind that your DSAA syllabus has changed in June 2017. So till now there have been only 2 Qs papers of new syllabus. So in papers prior to June 2017, you may see certain questions which are not in your syllabus.

DISCLAIMER:

Please do not misunderstand that you should study only those questions which are stated above.

Ideally, study everything at least once and the questions given above at least twice.

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