

Final Exam

2-3 } Insert / Delete

2-3-4 Trees
↓
children

m-children

m-1 keys

Unordered

R-B Trees } Insert.

Hashing - Collision Resolution

LP
GP
DH
Probing PRP

Chaining

Heaps - Insert, Del, Find

Create Heap - Floyd's Method

Heapsort.

Graphs - Representation, Terminologies

Traversal - BFS, DFS

Spanning Tree - MST - Prim's, Kruskal's

Shortest Path - Dijkstra's

Splay Tree - BST - Insert / Find

Delete.

AVL Trees. — Insert / Delete.

Binary Trees, Binary Search Tree,

- Properties / Types / Insert / Delete
- Inorder, PreOrder, Post order

Abstract Data Type — Infix / Postfix
Stack, Arrays

Sorting — Selection, Bubble, Insertion,
Merge, Quick.

Big O — Time complexity.
