

22AIE 112 Data Structures and Algorithms
Lab Sheet 7
Tree

1. Insert the elements 30, 35, 40, 50, 12, 17, 45, 90, 23, 56 in order to an initially empty BST.
2. Perform in-order, pre-order and post-order traversal of the tree created in question 1.
3. Create a delete function and delete element 17 from the tree created in question 1.
4. Implement the search function in BST and search for the given elements and see the result:
40, 90, 32, 92, 56.
5. Using the search function, display minimum and maximum elements in the tree.
6. Implement a function to find the height of the tree and find the height of the tree created in question 1.
7. Implement a function to find the kth largest element in BST and find the 5th largest element of the tree in question 1