## Data Abructures Quiz

Name: - 5. Pavankuma RollNo'r 19BC5097 Sect-B

Moorder + AKBJC.LDEHGFT

Precorder - L.KAJBCIHEDFG

ProstorDer - ABCJKID.EFGHL

Breadth First Order

The final tree is

Toces

To

A abote Involve

2) Height of tree is 3. The largest roof modes - 2n+1 = 24-1=15 Smallest no. of nodu - 2n-1= 23-1= 4 Tree with largest number of nodes 1p internal Nodes - A BICDE FG 1 Dodes - It JUJ KLMNO with smallest notof nodes 4 Here, Internal Nodes - A Leaf Nodes - 1

The the test of u) False in pre-order of a tree, the first is not smallest According to rule, in Pre-order wefirst Put 800-node then left child and then sight child. In blow them left child is smallest. and it is not at first place. HOW SHED WAY 8 7 HURE, preorder, becomes 5 312 0713 Here 22 is smallest not at first place. breath first traverse of given is 2 35 10 8 7 22 11 13 20 24 16 2 2/011 13 /20/24/16 hun 8 17 5 10 Delletion and addition operation is not this tree because this in Possible in Search tree. this operation not binary enrut for b. s.t.

post-order traversal requerce f Binary search tree is gives as 100 20, 150, 300, 200, 200 Consider the Binary Search