

Quiz

1) Inorder (left, root, right)

A K B J C I L D E F H G

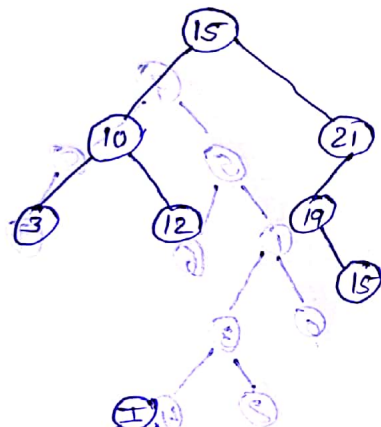
Preorder (Root, left, right)

L K A J B C I H E D F G

Post order (left, Right, Root)

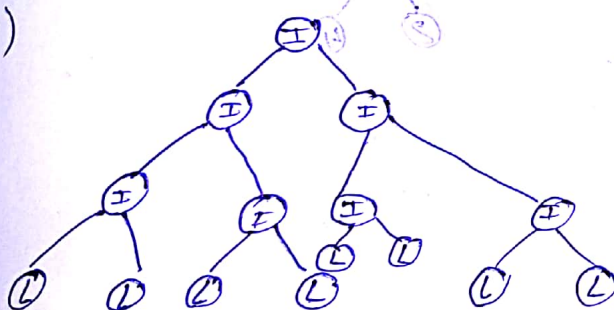
A B C J K I D E F G H L

2)



(Left, Root, Right) traversal
[3, 10, 12, 1, 19, 15, 8, 9]

3)



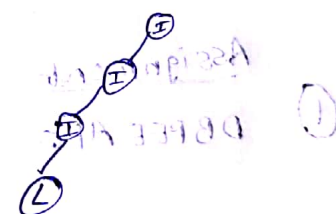
No. of nodes = 15

Internal nodes = 7

leaf nodes = 8

L = leaf nodes

I = Internal nodes



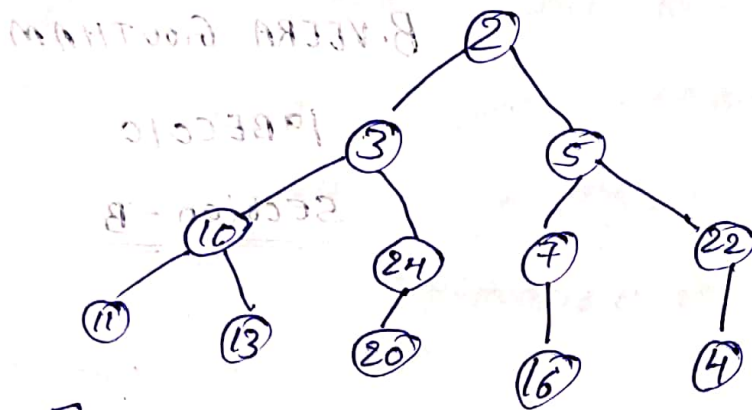
No. of nodes = 4

Internal nodes = 3

leaf nodes = 1

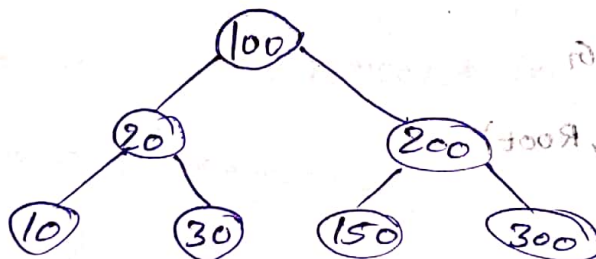
4) False, The first node that is printed in pre-order traversal is root. Root is greater than nodes in left subtree

5)



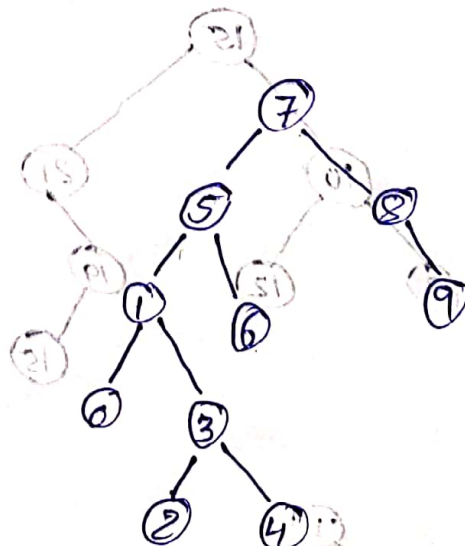
[2, 3, 5, 10, 24, 7, 22, 11, 13, 20, 16, 4]

6) Post order (left, right, root)



7)

Inorder (left, root, right)
[0, 1, 2, 4, 5, 6, 7, 8, 9]



Assignment

① DBPEE AFC

