

Assignment :-

1) D B P E E A F C.

Quiz :-

1) Inorder (left, root, right) :-

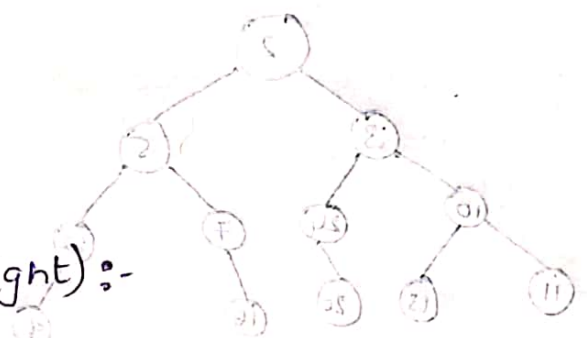
A K B J C I L D E F H G

PreOrder (Root, left, right) :-

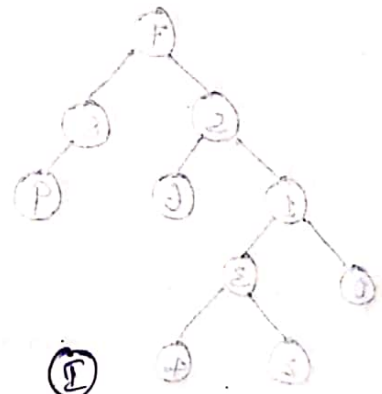
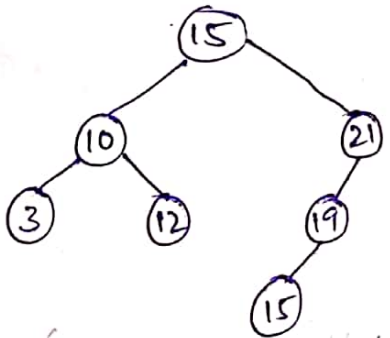
L K A J B C I H E D F G

Postorder (left, right, root) :-

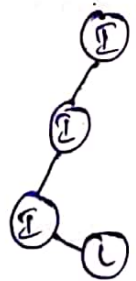
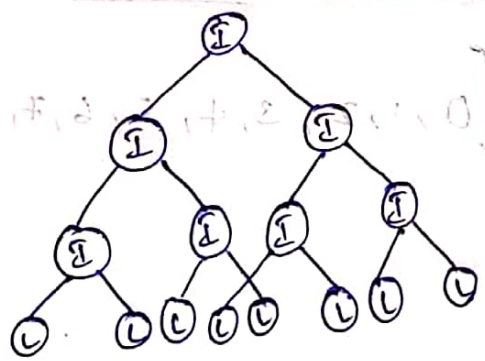
A B C J K I D E F G H L



2)



3)

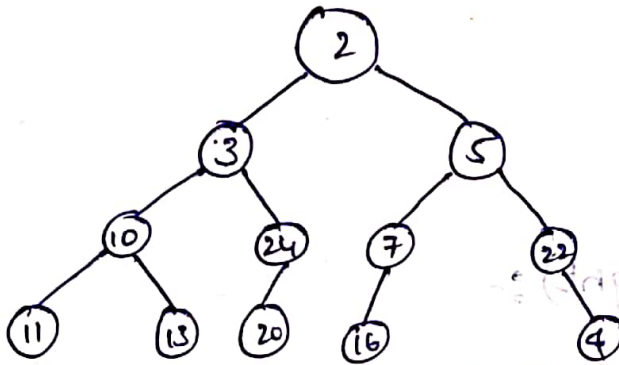


No. of nodes = 15  
 Internal nodes (I) = 7  
 Leaf nodes (L) = 8

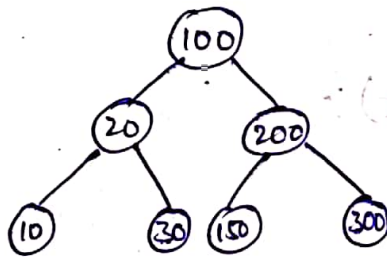
No. of nodes = 4  
 Internal nodes = 3  
 Leaf nodes = 1

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

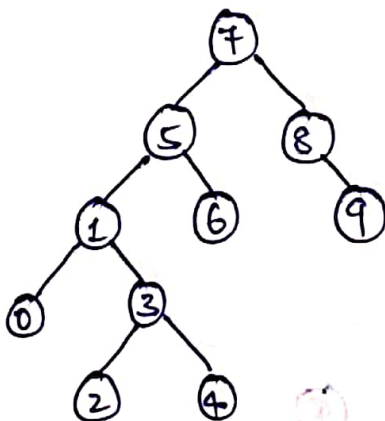
5) [2, 3, 5, 10, 24, 7, 22, 11, 13, 20, 16, 4]



6) Post order (left, right, root)



7)



Inorder (left, root, right) :-

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]