1) D B PE E A F C.

Quiz

1) <u>Inorder (Left, root, right)</u> :-
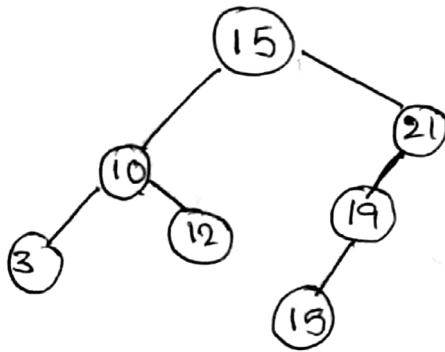
A K B J C I L D E F H G

<u>Pre Order (Root, Left, Right)</u> :-

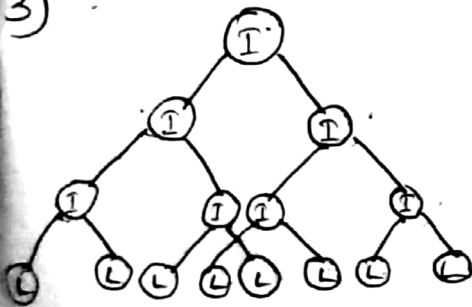L   K A J B C I   H E D F G

<u>Post Order (Left, Right, Root)</u> :-

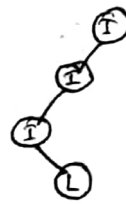A B C J K I   D E F G H   L

2)

3)

No. of nodes = 15
Internal Nodes = 7
Leaf Nodes = 8
L → Leaf Nodes
I → Internal nodes
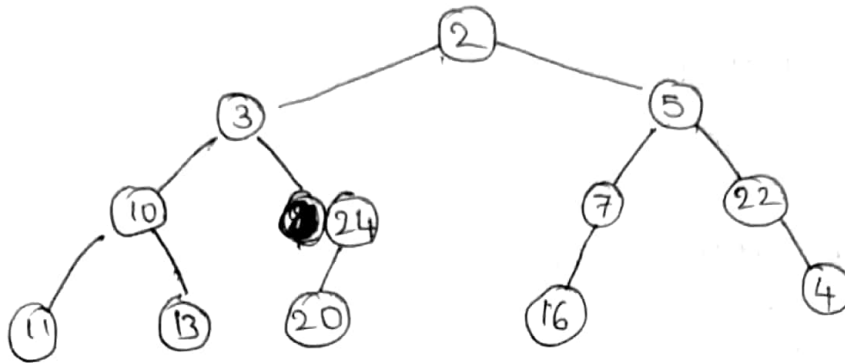
No. of Nodes = 4
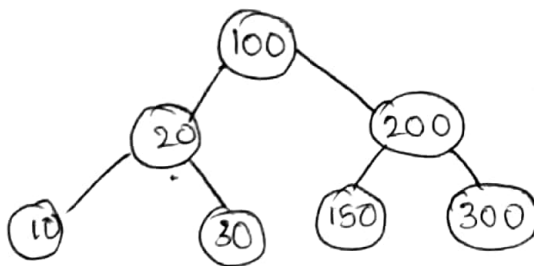Internal Nodes = 3
Leaf Nodes = 1
L → Leaf Node
I → Internal Nodes

4) False, The first node that is printed in pre-order traversel is root. Root is greater than the nodes in the left subtree.
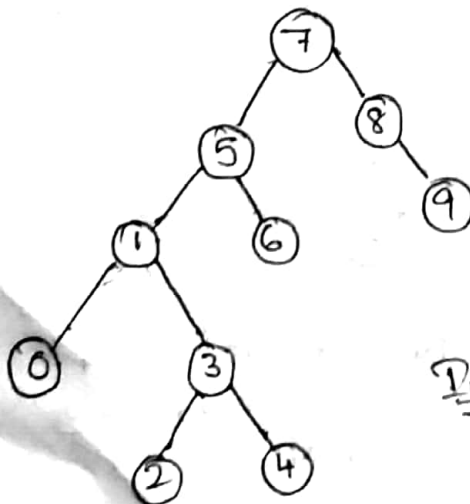
5) $[2, 3, 5, 10, 24, 7, 22, 11, 13, 20, 16, 4]$

6) Post Order (Left, right, root)

7)

Inorder (left, root, right) =

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