## Roui Shankan Shanna (19BCS091)

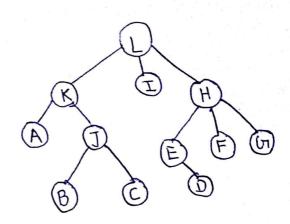
## ASSIGNMENT-1 True-Quiz Question

Incorder AKBJCLIDEHFG

1)

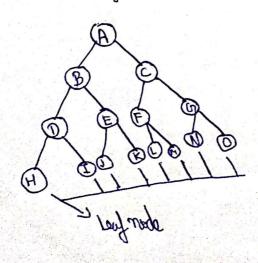
Precident LKAJBCI HEDFG

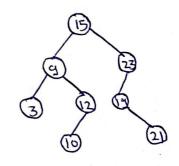
Pest Order ABCJKIEDFGHL Breadth-first Order LKIHAJEFGBCD

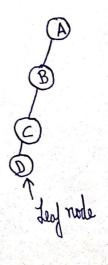


- 2) yes, The given tree is AVL

  This tree is also Binary Search tree
- (3) h=3More of nodes  $\Rightarrow 2^{h+1}-1=2^{4}-1=15$ Min no of nodes  $\Rightarrow h+1=3+1=4$







Assignment 1 - Troe-QUIZ-Question

(19BC5091)

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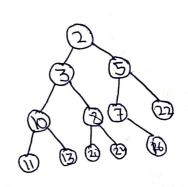
Root, Left, Right

Element of left subtrac < Root < Element of right subtrace.

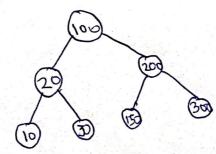
in BST (Binary Search Tree)
So always the first tem is gooder Than alement of
left subtree.

5) Broudth-first or lead Ordon Toward.

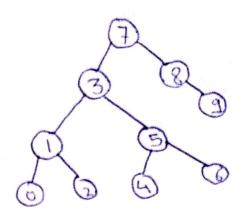
2,3,5,10,8,7,22,11,13,20,24,16



6) Pest Order  $\rightarrow 10,30,20,150,360,200,100$ In Order  $\rightarrow 10,20,30,100,150,200,300$ 



T) Assignment 1 - Trace Question QUIZ Option 3 & 0,1,2,3,4,5,6,7,8,2.



200M class-assignment (Trass) shido no+ 39

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