## 

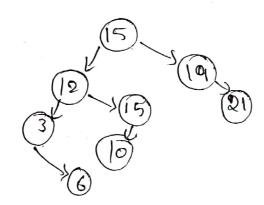
Sasina . H.B 19605094

> 8'

INORDER TRANSVERSAL: AK BJCLI DEFHG PREORDER TRANSVERSAL: LKAJBCIHEDFG POSTORDER TRANSVERSAL: ABCJKIO6FGHL

BREADHI FIRST ORDER TRANSVERSAL:-

2/8. After deletion and ceddition
The Final tree would be



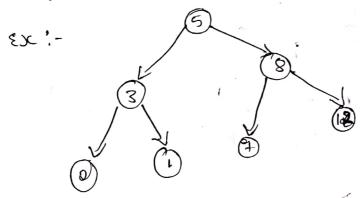
The tree is not an AUL tree

3) 8 Height of the tree is 3 The largest number nodes -> 2 htt.1 -> 29-1 -) 15 The Smallest number of nodes Tore with leagest number of nodes 15 Tree with Smallest number of nodes 8 Here the Internal  $\rightarrow A, B, C, D$ leaf nodes -> 6, F, G, H

## (A) 9> false

In pre order transverted of tree, the first printed item is not smallest one

According to the scale, in pace-order we first thild put most node. Then left child and sieght thild In blue then left child is smallest and it is not cet first place

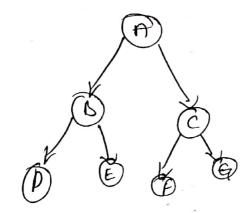


Here pe order becomes 5 3 24 8 7 12 Here 3 is Smallest in first cycle but not out first place

5 9) The breadth fixet transverted of given noise pre -091 2, 3, 5, 10, 8, 7, 22, 11, 13, 20, 24, 16

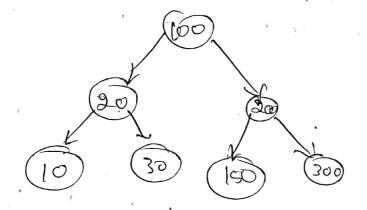
		رکه	١,				T-	1 1	1.	mall	Null	Dull
_					2	11/186	20	24	16	1000	1 /	
ſ	2	3	S	10	8 7	22 11 13	<u> </u>		b .1			

Delection and addition is not partible in they tree because this is not binary search tree this operations only societ for b.S.T. 65 97 The post conden housel sequence for Binary Search tree is given as
6, 30, 20, 150, 300, 200, 100
64 up consider the binary seconch free as

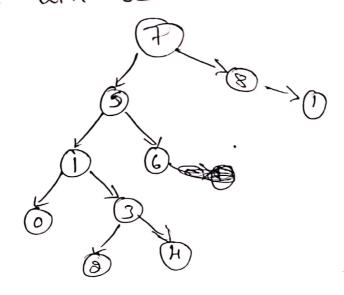


The port traversed for this tree will be DEBFGCA

... The final Binary Free will be



B-20 B-20 C-200 D=10 E=30 F=150 G=300 The number 7, 5, 1,8, 3. 6. 0, 1, 4,2, are instead is order the binary Seconds



The Invoder Transversed of the above free will be

g. 1, 2, 3, 4, 5, 6, 7, 8, 9.