(c.

FAST - NUCES

Quiz : 4

Max Marks 10

CS2001 - Data Structure Fall 2023

Note: Attempt all questions on question paper m given solution space.

Scetti

Question 01: Use the following BST.

15254, 3,6,5, 4,7,5, 11, 12, 14, 16, 13, 10

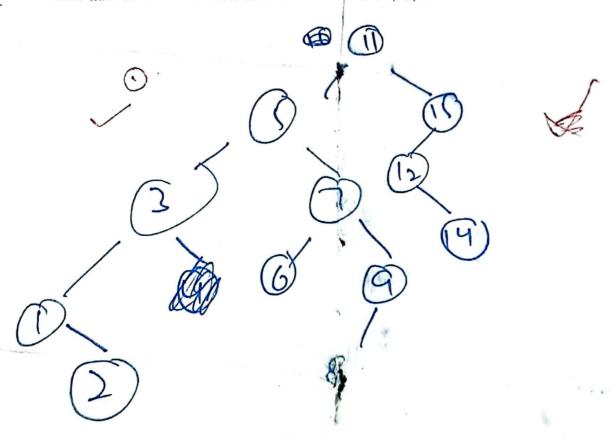
Write PreOrder traversal of the tree.

10,1,2,4,5,7,6,9,8,13,11,12,14,14

Write InOrder traversal of the tree.

1,2,3,4,5,3,9,8,10,1612,13,19514

Show how the tree will look after the deletion of 10,13,4.



## Question 02:

a. What is the maximum height ofmy AVL-tree with 8 nodes?

b. Minimum number of nodes requied to construct AVL tree of heights=? 10

