

DEPARTMENT : CSE 3rd **SEMESTER**

SUBJECT NAME: DS SUBJECT CODE:3130702

FACULTY NAME: PARAS NARKHEDE

ASSIGNMENT: 3

- 1. Construct binary search tree for the following data
 - 1. 10,3,15,22,6,45,65,23,78,34,5
 - 2. 40, 65, 25, 55, 10, 70, 30, 50, 15, 80, 75

Find its inorder, preorder and postorder travesal.

- 2. Define AVL tree. Construct AVL tree for following data. Show all the steps.
 - 1. 150, 155, 160, 115, 110, 140, 120, 145, 130, 147,170, 180.
 - 2. 10,20,30,40,50,60,70,80



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