

Shri Swaminarayan College of Computer Science

SY BCA : Data and File Structure

Lab Assignment : 7

Date:

submission:-

Topic : **Tree**

Q-1 Write following functions for lexicographically ordered tree.

- 1) Implement a program to create a binary search tree
- 2) Write a menu driven program to traverse the tree according to user choice using recursion
 - 1) In order
 - 2) Preorder
 - 3) Post order
- 3) WAP to create a binary tree and count the number of leaf nodes in the created tree (consider the tree is complete binary tree)
- 4) Create a binary tree and input at least 10 strings. Traverse the tree in such a way that strings should be printed in ascending order.
- 5) WAP to delete an element from the given tree.