## ASSIGNMENT

Name: k. Pavithua

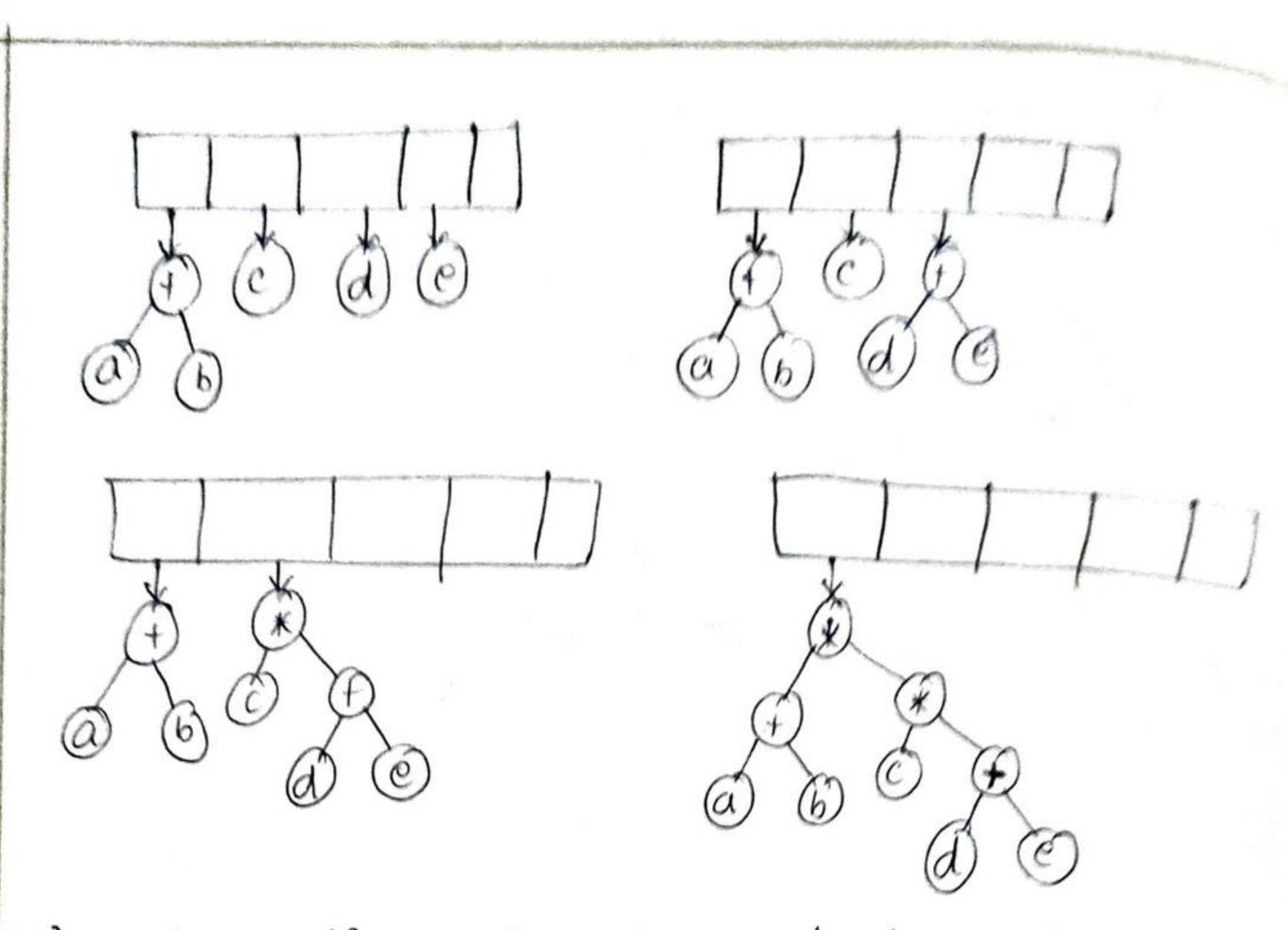
ROU NO: 15CSR129

Subject: Data Structure

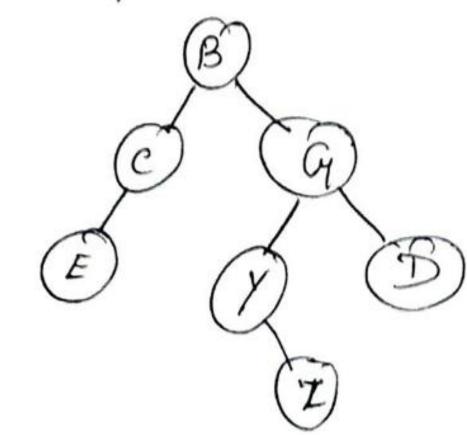
Date: 27-12-16.

Lo

cut 2, 1, 4, 5, 9, 3, 6, 7 into an initially empty tree. ot balanced 1-1:0 (2 (9)1-0=1 (not balanced) 1-1:01 (AVL Tree) 2) Construct an expression tree for the expuession. abtcde+\*\*



3) Perform binary tree traversal for following tree



Inouder tree traversal = ECBYZGD

Postorder tree traversal = BCEGYZD

Postorder tree traversal = ECZYDGB.

4) Sout the following data in ascending order wing Bubble Sout.

```
iteration
            35
                 36
         33
     10
                 35
         33
          33
       27
         12
              33
              33
 10
                  35
  10
Ans: 10 12 14 27 33 35.
    8 34 32 64 51 21 12 Using merge Sout
 15 8 34 32 | 64 51 21 12
 15 8 | 34 32 | 64 51 | 21 12
   8 15 32 34 | 51 64 12 21
   8 15 32 34 | 12 21 51 64
 Noval 17 8 12 15 21 32 34 51 64
    Ans: 8 12 15 21 32 34 51 64
6) Sout the number wing insention sout:
```

