

Lab 8 -(12.10.2022)

Evaluation

Observation – 5 marks

Execution – 15 marks

Spot – 5 marks

Observation

1. What is Threaded Binary Tree and give an example.
2. How dangling pointers are handled in TBT?
3. Write short notes on Binary Tree Traversal.

Execution – 15 marks

4. Implement Binary tree for the following set of elements.
8,3,10,1,6,14,4,7,13
5. Implement preorder,inorder and post order traversal for the constructed Binary Tree.
6. Convert the mirror of the given binary tree and print in the in order traversal.

SPOT – 5 marks

7. Write a method count in the BinaryTree class that returns the total number of nodes stored in the binary tree.
8. Write a method height in the BinaryTree class that returns the height of a binary tree.
9. Write a method isFull for the BinaryTree class that returns true if the binary tree is full or false otherwise.