

Evaluation 2
Thursday 1-3 p.m.
B15

Marks: 15 Marks
Duration: 50 Minutes

ODD SET

Construct a binary search tree. Call insert and create 5 nodes as shown below. Display them.

Given a BST, find all the distances from a given node value to its subtree leaf nodes.

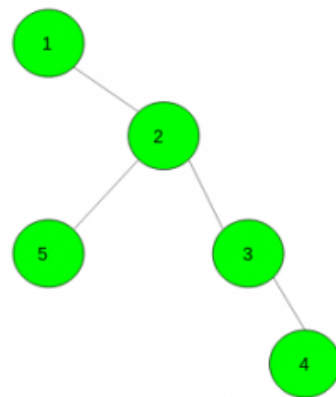
Eg:

Input: Node value=2

Output:

Leaf Node(5) is at Distance 1

Leaf Node(4) is at Distance 2



EVEN SET

Construct a binary search tree. Call insert and create 5 nodes as shown below. Display them.

Given a BST and a node value, display the summation of the nodes which form the subtree of the given node.

Input: Node Value: 1

Output: Summation of subtree of 1: 14

Input: Node Value: 3

Output: Summation of subtree of 3: 4

Input: Node Value: 2

Output: Summation of subtree of 2: 12

