**WIA1002/WIB1002/WXES1117 Data Structures**

**Tutorial 12: BST**

1

Based on the tree above, answer the following:

1. Length of path from A to F
2. Depth to node D
3. Nodes at level 2
4. Siblings
5. Left child
6. Right child
7. Leaf
8. Height

2. Draw a Binary search tree for the following numbers: 3,5,4,2,9,6,7,8.

3. Write the pseudocode for searching for an element in a BST.

4. Based on the tree given above, produce the sequence for the following traversals:

1. Inorder
2. Preorder
3. Postorder
4. Breadth-first search