Quiz – 4

Time allowed: 10 min
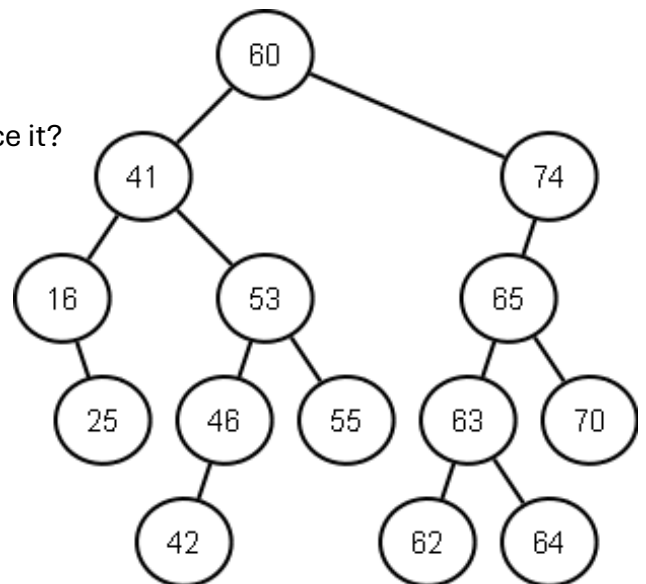
Binary Trees, Binary Search Trees

Name: _____   ID: _____

A. Select the correct option for the following question. Refer to the given Binary Search Tree (BST): [2 pts]

If the node '74' is deleted, which node will replace it?

A. 70
B. 64
C. 62
D. Both A and C are valid replacements
E. None of the above

B. In Big-Oh notation, what is the worst-case time complexity of deletion in a BST? [1.5 pts]

C. Which tree traversal ensures that the maximum node is always visited at the end? [1.5 pts]

D. Complete the following function to find the height of a given binary tree: [5 pts]

```
int get_height(Node* root) {
```