

Q. Addition, Deletion and Searching operations can be performed on Balanced BST in _____ time.

- A. $O(1)$
- B. $O(n)$
- C. $O(\log n)$
- D. none of the above

Answer: C

Q. Height of an empty tree is

- A. 0
- B. 1
- C. -1
- D. NULL

Answer: C

Q. What is minimum height of BST?

- A. $O(1)$
- B. $O(n)$
- C. $O(\log n)$
- D. none of the above

Answer: C

Q. Which of the traversal prints data elements in a binary search tree in a sorted manner?

- A. preorder
- B. inorder
- C. postorder
- D. none of the above

Answer: B

Q. Pre-order sequence of BST is 35, 13, 7, 8, 26, 70, 40, 75. Which one of the following is a valid post-order sequence ?

- A. 7, 8, 26, 13, 75, 40, 70, 35
- B. 26, 13, 7, 8, 70, 75, 40, 35
- C. 7, 8, 13, 26, 35, 40, 70, 75
- D. 8, 7, 26, 13, 40, 75, 70, 35

Answer: D