

1.

Binary Tree traversal methods can help to determine

- A. Height of a tree**
- B. Number of nodes in a tree**
- C. A and B**
- D. None of these**

Answer: C

2.

Given a set of 4 distinct integers, the number of possible binary search trees are

- A. One (1),**
- B. Four (4)**
- C. Twelve (12)**
- D. Fourteen (14)**
- E. None of none**

Answer. D

3.

An empty tree height can be considered as

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

Answer: B

4.

Count number of edges in an directed graph $V = \{A, B, C, D, E, F, G\}$?

- A. 06
- B. 21
- C. 42
- D. 84

Answer: C

5.

BALANCE FACTOR of AVL Tree?

- A. HEIGHT (LEFT SUBTREE) - HEIGHT (RIGHT SUBTREE)
- B. HEIGHT (LEFT SUBTREE) + HEIGHT (RIGHT SUBTREE)
- C. HEIGHT (RIGHT SUBTREE) - HEIGHT (LEFT SUBTREE)
- D. HEIGHT (RIGHT SUBTREE) + HEIGHT (LEFT SUBTREE)

Answer: A