Rajalakshmi Engineering College

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Batch: 2028

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NeoColab_REC_CS23231_DATA STRUCTURES

REC_DS using C_Week 5_MCQ

Attempt : 1 Total Mark : 15

Marks Obtained: 12

Section 1: MCQ

1. Which of the following operations can be used to traverse a Binary Search Tree (BST) in ascending order?

Answer

Inorder traversal

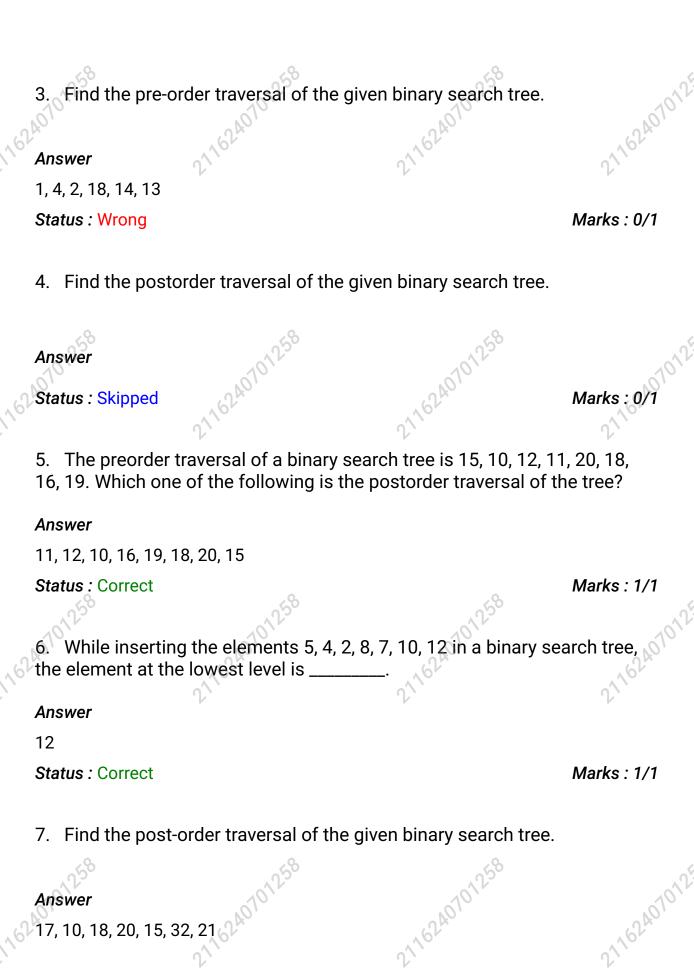
Status: Correct Marks: 1/1

2. Which of the following is the correct pre-order traversal of a binary search tree with nodes: 50, 30, 20, 55, 32, 52, 57?

Answer

50, 30, 20, 32, 55, 52, 57

Status : Correct Marks : 1/1



Status: Wrong Marks: 0/1

8. Which of the following is a valid preorder traversal of the binary search tree with nodes: 18, 28, 12, 11, 16, 14, 17?

Answer

18, 12, 11, 16, 14, 17, 28

Status: Correct Marks: 1/1

9. Find the preorder traversal of the given binary search tree.

Answer

9, 2, 1, 6, 4, 7, 10, 14

Status: Correct Marks: 1/1

10. Which of the following is the correct in-order traversal of a binary search tree with nodes: 9, 3, 5, 11, 8, 4, 2?

Answer

2, 3, 4, 5, 8, 9, 11

Status: Correct Marks: 1/1

11. Which of the following is the correct post-order traversal of a binary search tree with nodes: 50, 30, 20, 55, 32, 52, 57?

Answer

20, 32, 30, 52, 57, 55, 50

Status: Correct Marks: 1/1

12. In a binary search tree with nodes 18, 28, 12, 11, 16, 14, 17, what is the

value of the left child of the node 16? Answer Status: Correct Marks: 1/1 13. How many distinct binary search trees can be created out of 4 distinct keys? **Answer** 14 Marks : 1/1 Status: Correct 14. Find the in-order traversal of the given binary search tree. Answer 1, 2, 4, 13, 14, 18 Marks: 1/1 Status: Correct While inserting the elements 71, 65, 84, 69, 67, 83 in an empty binary search tree (BST) in the sequence shown, the element in the lowest level is **Answer** 67 Status: Correct Marks: 1/1