Rajalakshmi Engineering College

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Department: I ECE AF

Batch: 2028

Degree: B.E - ECE



NeoColab_REC_CS23231_DATA STRUCTURES

REC_DS using C_Week 5_MCQ

Attempt : 2 Total Mark : 15 Marks Obtained : 7

Section 1: MCQ

1. 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

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

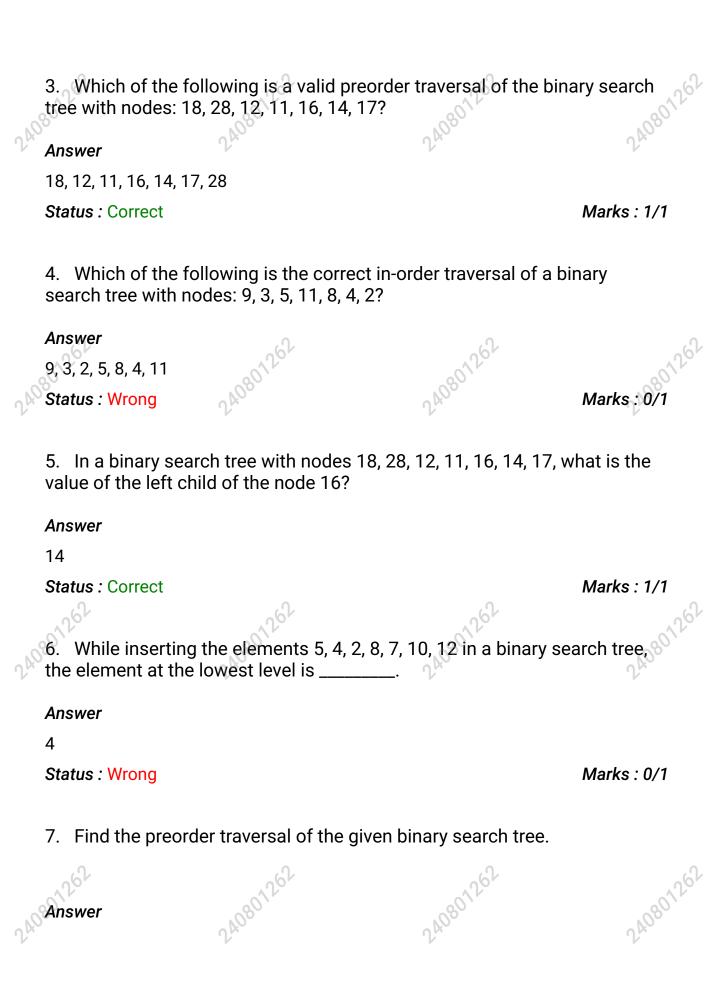
Status: Wrong Marks: 0/1

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: 171



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

Marks : 1/1 Status : Correct

8. Find the pre-order traversal of the given binary search tree.

Answer

13, 2, 1, 4, 14, 18

Status: Correct Marks: 1/1

9. Find the in-order traversal of the given binary search tree.

Answer

1, 4, 2, 18, 14, 13

Status: Wrong Marks: 0/1

10. Find the postorder traversal of the given binary search tree.

Answer

1, 4, 2, 18, 14, 13

Status: Correct Marks: 1/1

11. How many distinct binary search trees can be created out of 4 distinct keys?

Answer

24

Status: Wrong

12. 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

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Answer

65

Status: Wrong Marks: 0/1

13. Find the post-order traversal of the given binary search tree.

Answer

10, 17, 20, 18, 15, 32, 21

Status: Correct Marks: 1/1

14. The preorder traversal of a binary search tree is 15, 10, 12, 11, 20, 18, 16, 19. Which one of the following is the postorder traversal of the tree?

Answer

19, 16, 18, 20, 11, 12, 10, 15

Status: Wrong Marks: 0/1

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

Answer

Preorder traversal

Status: Wrong Marks: 0/1

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