Rajalakshmi Engineering College

Name: Hari vijay

Email: 240801110@rajalakshmi.edu.in

Roll no: 2116240801110 Phone: 7550073737

Branch: REC

Department: I ECE FB

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: 14

Section 1: MCO

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

Answer

14

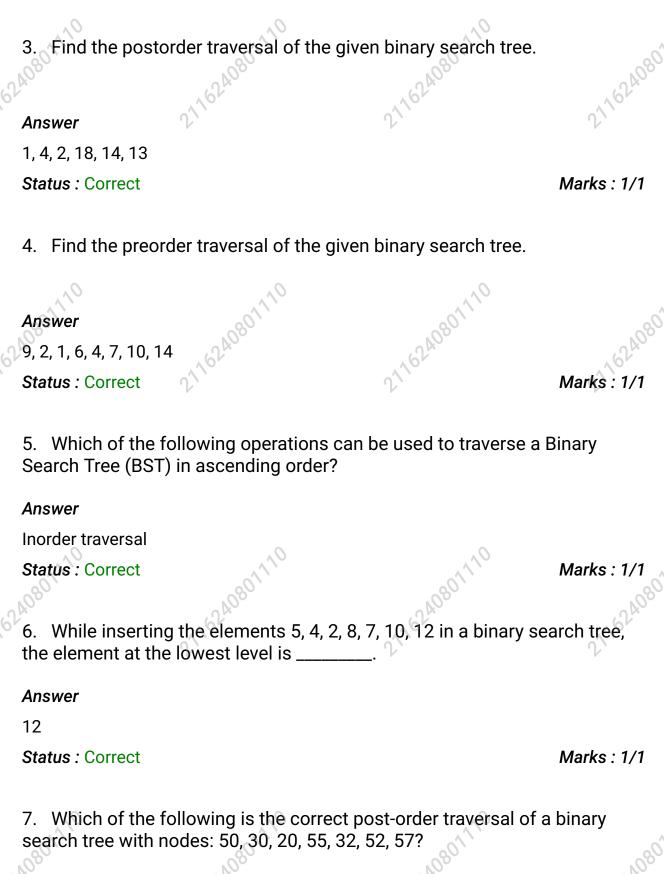
Status: Correct Marks: 1/1

2. 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/



Answer

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

Status: Wrong Marks: 0/1

8. 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

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

Status: Correct Marks: 1/1

9. 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

14

Status: Correct Marks: 1/1

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

Answer

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

Status: Correct Marks: 1/1

11. 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

12. 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

13. 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

67

Status: Correct Marks: 1/1

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

Answer

1, 2, 4, 13, 14, 18

Status: Correct Marks: 1/1

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

Answer

13, 2, 1, 4, 14, 18

Status: Correct Marks: 1/1