

Question # 1 of 30 (Start time: 10:38:20 PM, 18 July 2020)

Total

_____ is an area in computer memory that is allocated dynamically.

Select the correct option



Heap



Stack



Queue



Linked List

All Answer Are Not Correct (Solve itself)

Question # 2 of 30 (Start time: 10:39:43 PM, 18 July 2020)

Total

If we use doubly linked list to implement list, then there is an issue of:

Select the correct option



next pointer of first node and pre pointer of last node are NULL



next pointer of first node and next pointer of last node are NULL



pre pointer of first node and next pointer of last node are NULL



pre pointer of first node and pre pointer of last node are NULL

All Answer Are Not Correct (Solve itself)

Question # 3 of 30 (Start time: 10:41:12 PM, 18 July 2020)

Total

If there are 100,0000 unique numbers (nodes) stored in a complete binary tree, the tree will have _____ levels.

Select the correct option



10



20



30



40

All Answer Are Not Correct (Solve itself)

Question # 4 of 30 (Start time: 10:42:24 PM, 18 July 2020)

Total

Doubly Linked List always has _____ NULL pointer/s in a node.

Select the correct option



One



Two



Three



Four

All Answer Are Not Correct (Solve itself)

Question # 5 of 30 (Start time: 10:43:54 PM, 18 July 2020)

Total

For every process executing, the second part of the memory is for _____ of the program.

Select the correct option



Static Data



Code



Stack



Heap

All Answer Are Not Correct (Solve itself)

Question # 6 of 30 (Start time: 10:45:23 PM, 18 July 2020)

Total

The _____ of a node in a binary tree is defined as the height of its left subtree minus height of its right subtree.

Select the correct option



Height



Balance



Width



None of the above

All Answer Are Not Correct (Solve itself)

Question # 7 of 30 (Start time: 10:46:05 PM, 18 July 2020)

Total

Link List can be special case of,

Select the correct option



Binary Search Tree



AVL Tree



Parse Tree



Heap

All Answer Are Not Correct (Solve itself)

Question # 8 of 30 (Start time: 10:47:29 PM, 18 July 2020)

Total

Which of the following expression is an infix expression?

Select the correct option

 $A-B+C$  $A*BC/$  $A/B-C$  Z^B-X

All Answer Are Not Correct (Solve itself)

Question # 9 of 30 (Start time: 10:48:52 PM, 18 July 2020)

Total

In time-based simulation, we maintain a/an _____

Select the correct option



variable



event



clock



register

All Answer Are Not Correct (Solve itself)

Question # 10 of 30 (Start time: 10:49:44 PM, 18 July 2020)

Total

_____ is the maximum height of the AVL tree.

Select the correct option



1.44

 $1.44 \log_2 n$  $\log_2 n$  $4.44 \log_2 n$

All Answer Are Not Correct (Solve itself)

Question # 10 of 30 (Start time: 10:49:44 PM, 18 July 2020)

Total

_____ is the maximum height of the AVL tree.

Select the correct option



1.44

 $1.44 \log_2 n$  $\log_2 n$  $4.44 \log_2 n$

All Answer Are Not Correct (Solve itself)

Question # 11 of 30 (Start time: 10:50:52 PM, 18 July 2020)

Total

In case of insertion of left outer node in BST,

Select the correct option



we apply single right rotation to make it AVL Tree.



we apply single left rotation to make it AVL Tree.



we first apply right rotation and then left rotation to make it AVL Tree.



we first apply left rotation and then right rotation to make it AVL Tree.

All Answer Are Not Correct (Solve itself)

Question # 12 of 30 (Start time: 10:52:02 PM, 18 July 2020)

Total

We can use Binary Search Tree with _____

Select the correct option



Integer data only



String data only



Non-integer data only



Both Integer and String data

All Answer Are Not Correct (Solve itself)

Question # 12 of 30 (Start time: 10:52:02 PM, 18 July 2020)

Total

We can use Binary Search Tree with _____

Select the correct option



Integer data only



String data only



Non-integer data only



Both Integer and String data

All Answer Are Not Correct (Solve itself)

Question # 13 of 30 (Start time: 10:53:29 PM, 18 July 2020)

Total

During in-order traversal using recursive calls, if we found a node is NULL. It means this node will satisfy following condition.

Select the correct option



It will not have left child



It will not have right child



It will not have both left and right children



None of given options

All Answer Are Not Correct (Solve itself)

Question # 13 of 30 (Start time: 10:53:29 PM, 18 July 2020)

Total

During in-order traversal using recursive calls, if we found a node is NULL. It means this node will satisfy following condition.

Select the correct option



It will not have left child



It will not have right child



It will not have both left and right children



None of given options

All Answer Are Not Correct (Solve itself)

Question # 14 of 30 (Start time: 10:54:29 PM, 18 July 2020)

Total

A _____ is a tree in which every level, except possibly the last, is completely filled, and all nodes are as far left as possible.

Select the correct option



Strict Binary tree



Full Binary Tee



Perfect Binary tree



Complete binary tree

All Answer Are Not Correct (Solve itself)

Question # 15 of 30 (Start time: 10:55:52 PM, 18 July 2020)

Total

We can make a lexicographic order of characters based on their _____.

Select the correct option



Memory addresses



ASCII values



Binary digits



Random choice

All Answer Are Not Correct (Solve itself)

Question # 16 of 30 (Start time: 10:56:19 PM, 18 July 2020)

Total

Consider the linked list having data [6, 72, 35, 65, 25] stored in it. While current pointer is pointing to memory location having 35 stored in it. What will be the resultant linked list after calling add(18) function on the given linked list.

Select the correct option



6, 18, 72, 35, 65, 25



6, 72, 18, 35, 65, 25



6, 72, 35, 18, 65, 25



6, 72, 35, 65, 25, 18

All Answer Are Not Correct (Solve itself)

Question # 17 of 30 (Start time: 10:57:17 PM, 18 July 2020)

Total

For reference variables, _____ sign is used.

Select the correct option



ampersand



asterisk



sigma



dollar

All Answer Are Not Correct (Solve itself)

Question # 18 of 30 (Start time: 10:58:44 PM, 18 July 2020)

Total

The balance of a node in a binary tree is defined as the height of its _____ sub tree minus height of its right sub tree.

Select the correct option



right



left



upper



lower

All Answer Are Not Correct (Solve itself)

Question # 19 of 30 (Start time: 10:59:30 PM, 18 July 2020)

Total

New items are added at the _____ of the stack.

Select the correct option



Bottom



Middle



Center



Top

All Answer Are Not Correct (Solve itself)

Question # 20 of 30 (Start time: 11:00:00 PM, 18 July 2020)

Total

For Binary Search Tree, we call the findMin() method as _____.

Select the correct option



findMin(tree->getLeft())



findMin(tree->getRight())



findMin(tree->getCenter())



findMin(tree->getDown())

All Answer Are Not Correct (Solve itself)

Question # 21 of 30 (Start time: 11:01:13 PM, 18 July 2020)

Total

_____ is when function is calling to itself.

Select the correct option



Loop



Recursion



Iteration



Nested loop

All Answer Are Not Correct (Solve itself)

Question # 22 of 30 (Start time: 11:01:45 PM, 18 July 2020)

Total

Which of the following data structure is linear type?

Select the correct option



Stack



List



Queue



All of above

All Answer Are Not Correct (Solve itself)

Question # 24 of 30 (Start time: 11:03:48 PM, 18 July 2020)

Total

Suppose a Stack class has been defined using template. Now, we want to declare a Stack object of an int type. What will be the correct syntax?

Select the correct option



`<int>Stack stack ;`



`Stack<int> stack;`



`Stack int stack;`



`int Stack stack ;`

All Answer Are Not Correct (Solve itself)

Question # 25 of 30 (Start time: 11:04:54 PM, 18 July 2020)

Total

While implementing non-recursive traversal for Binary Search Tree, we need to implement _____.

Select the correct option



Queue



Stack



Min heap



Max heap

All Answer Are Not Correct (Solve itself)

Question # 26 of 30 (Start time: 11:05:48 PM, 18 July 2020)

Total

STL is a _____ that is a part of the official standard of C++.

Select the correct option



C program file



.h file



.cpp file



Library

All Answer Are Not Correct (Solve itself)

Question # 27 of 30 (Start time: 11:06:40 PM, 18 July 2020)

Total

In Left-Right case of rotation in _____ tree. A double rotation is performed.

Select the correct option



Binary Search



Big



AVL



ALV

All Answer Are Not Correct (Solve itself)

Question # 28 of 30 (Start time: 11:13:18 PM, 18 July 2020)

Total

Sub-tree of binary search tree should be _____.

Select the correct option



Binary tree



Binary search tree



Complete binary tree



None of given options

All Answer Are Not Correct (Solve itself)

Question # 29 of 30 (Start time: 11:14:48 PM, 18 July 2020)

Total

Every AVL tree is a binary search tree.

Select the correct option



True



False



Not in some cases



None of the given

All Answer Are Not Correct (Solve itself)

Question # 30 of 30 (Start time: 11:15:10 PM, 18 July 2020)

Total

_____ rule applies for evaluating operators of same precedence in an expression

Select the correct option



right to left



Cascading



Associative



None of the given

All Answer Are Not Correct (Solve itself)