CS-301 Data Structures <u>Update MCQS For Mid Term</u> <u>Solve By Vu Topper RM</u>

85% To 100% Marks



Which of the following function(s) is/are used for function call by value?

A. Both Func1 and Func2

- **B. Func1**
- C. Func2

D. C++ do not have concept of function call by value

A complete binary tree has 16 leaf nodes. The number of non-leaf nodes will be:

- **A. 15**
- **B.** 14
- C. 16
- D. 13

If we write functions for recursive and non recursive inorder traversal method of BST, what will be the difference between its functions prototypes?

- A. Different return types
- B. Different arguments list
- C. Different function names
- **D.** Nothing will be different

Suppose the elements are "3", "5", "1", "6", If we want to enqueue "8" then dequeue all the elements, what will be the order of elements?

A. 8 3 5 1 6 B. 3 5 1 6 8 C. 6 1 5 3 8 D. 8 6 1 5 3

Level of any node is ______ than/to the level of its parent node. A. Equal B. One less **C. One more**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. two more

Suppose we have been given the following data set for a Queue: 37524 What will be the resultant Queue if we call a front() method? A. 524 B. 7 5 2 4 C.37524 D.75243

Consider an array int $x[] = \{14, 15, 4, 9, 7, 18, 3\}$. Which statement will be used to set first number of the list into the root node.

A. root->setInfo(&x[1]);

B. root->setInfo(&x[0]);

- C. setInfo \rightarrow root(&x[0]);
- D. setInfo -> root(&x[1]);

If p is pointing to a node in an existing tree then info(p) means:

A. Returns false if it is not a parent node

B. Returns the pointer of node p

C. Returns true if it is a parent node

D. Returns the contents of node **p**

ok

ok

Analyze the given code carefully and identify which type of binary tree traversal this is :

void traversal (TreeNode<int>* treeNode){ if(treeNode != NULL) { cout << *(treeNode->getInfo())<<" "; traversal (treeNode->getLeft()); traversal (treeNode->getRight()); }}

A. Preorder

B. Sorted order

C. Inorder

D. Postorder

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Suppose we have a value for Queue: 2 1 4 6 3 Where front is at 2 and rear is at 3, after dequeue one element from that Queue, what will be the resultant Queue?

A. 2 1 6 3 B. 2 1 4 6 C. 1 4 6 3 D. 2 1 4 6 3

The ______ of a binary tree is the maximum level of the deepest leaf in the tree.

- A. Height
- B. Width
- C. Length
- D. Depth

In the perspective of memory organization every process executing, the first part of the memory is for the ______ of the program.

- A. Data
- B. Heap
- C. Stack
- **D.** Code

returns the front element of the queue without removing it

- A. enqueue(X)
- **B. front()**
- C. top()
- D. dequeue()

Which of the following operation is not supported by queue data structure?

- A. enqueue(X)
 B. isEmpty()
- D. IsEmpty()
- C. push()

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. dequeue()

Which of the following operation returns the contents of a binary tree node?

A. brother(p)
B. isLeaf(p)
C. info(p)
D. parent(p)

After evaluating this expression what will be the result? 7+3*3/(7-4)

A. 6

B. 9

C. 12

D. 10

A stack carries _____ behavior.

ok

A. FIFO

B. LIFO ok

C. FEFO

D. AVCO

Consider we have performed the following operations on a stack of size 5.Push(10);Push(20);Push(30);Pop();Pop();Push(40);Push(50);Pop();Aft er the completion of all operations, the number of element present on stack are _____.

A. 1 B. 2 ok C. 4 D. 3

Consider the linked list implementation of a stack. Which of the following node is considered as Top of the stack? A. Any node



B. First node

C. Last node

D. Middle node

Stack can be implemented by which of the following data structure? A. AVL

- **B.** Array
- C. BST
- D. Skip list

Which of the following is not a form of expression?

A. Postfix

B. Pastfix

- C. Infix
- D. Prefix

If the input symbol is not ')' and the stack is not empty then which of the following option will be pushed on the stack.

A. Operator

- B. Nothing can be pushed in stack
- C. Operand
- D. Operand and operator

Which of the following is the correct conversion from infix to postfix expression? A*B+C/(E-F) A. ABC*+EF-/ B. AB*C+EF/-C. AB+C*E-F/

D. AB*CEF-/+

2*(7+8)-6 is an example of ______ expression. A. Logical

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

B. PostfixC. InfixD. Prefix

The expression DE+H* is called_____

A. Infix expression

B. Postfix expression ok

C. Hybrid expression

D. Prefix expression

Before using the push method of stack, the user must call the _____ method.

A. pop();

B. push();

C. isFull();

D. isEmpty();

ok

What is the postfix form of (A+B)*(C-D) A. +A B - C D * B. CD- A B + * C. A B + C D - * D. A +B*C- D

"end()" method of list performs it's tasks in

- A. One steps
- B. Two steps
- C. Many steps
- D. Three steps

An array is collection of cells of the .

- A. Struct type
- B. Different type
- C. Same type ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. Hybrid type

Consider the following expression: P= A*B+C-DIn the above expression "+" is a _____ operator. A. Unary B. Technical

- C. Binary ok
- D. Logical

The usage of the class of a data structure causes the code of the program

- A. Lengthy
- B. Difficult
- C. Simplifies
- **D.** Complicated

New items are added at the _____ of the stack.

- A. Middle
- B. Bottom
- C. Center
- **D.** Top

Each node in a singly linked list contains two fields, one field called data field while other field contains:

- A. Pointer to an integer
- B. Pointer to character
- C. Pointer to next node
- D. Pointer to class

Which of the following operation is used to get and remove top element from the stack?

- A. top()
- **B. pop()**
- C. push()

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. remove()

start() method of List class is used to:

A. Moves the "current" pointer to one step after the first element of the array.

B. Moves the "current" pointer to very last element.

C. Moves the "current" pointer to very first element.

D. Moves the "current" pointer to one step before the first element of the array.

Which one option is associated with the data structures?

- A. Class
- B. Quality
- C. Time to perform each basic operation
- D. Function

In doubly linked list there is/are _____ pointer/s in each node.

ok

ok

- A. Two
- **B.** Four
- C. One
- D. Three

The first step to add a node in a linked list between the existing nodes is

- A. newNode->getNext();
- B. newNode->setNext():

C. newNode->setNext(currentNode->getNext());

D. currentNode->getNext();

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?

A. Stack<int> stack:

- B. Stack int stack:
- C. <int>Stack stack :
- D. int Stack stack ;



The structure of tree with _____ data is like a linked list. Sorted

Suppose we have the following values to be inserted in constructing AVL tree,

after inserting node 25

Suppose we want to create the right child of a node 'p' and set the value x in it. Which of the following statement is correct for this operation?

A. Right(p, x) B. Right(x, p) C. setRight(x, p) D. setRight(p, x)

ok

Suppose we have the following values to be inserted in constructing AVL tree, 10,13,15,5,7,8 after inserting node 15

What will be the preorder traversal of the given tree?

A. 45 25 75 15 35 B. 45 25 15 35 75 C. 45 75 15 35 25 D. 15 35 25 45 75

Which of the following is TRUE about recursive calls?

A. Tree data structure cannot use recursive calls

B. There is no terminating condition in recursive calls ok

C. Recursive call always contains a terminating condition

ok

D. Recursive calls can only be used with inorder traversal

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Analyze the given code carefully and choose the statement which will be used if we want to set 7 as the value of root ? root->setInfo(&x[4]);

Generally there is/are _____ case(s) to delete a node from BST.

- A.3
- **B**. 1
- C. 2
- D.4

We can use Binary Search Tree with **Both Integer and String data**

ok

Whenever a node is deleted from a binary search tree, _ has to be maintained.

- A. Pre order traversal
- B. In order traversal
- C. Post order traversal
- D. Any traversal can be maintained ok

_____ is an area in computer memory that is used to allocate memory dynamically. Heap

What will be the postorder traversal of the given tree?

ok

A. 15,35,25,75,45 B. 45 25 75 15 35 C. 25 15 35 45 75 D. 75 45 15 35 25

Analyze the given code carefully and identify which type of binary tree traversal this is :



void traversal (TreeNode<int>* treeNode){ if(treeNode != NULL) {
traversal (treeNode->getLeft()); cout << *(treeNode->getInfo())<<" ";
traversal (treeNode->getRight()); }}

A. Inorder ok

- B. Preorder
- C. Postorder
- D. Levelorder

Which of the following is correct syntax to declare a const function ? const int& findMin();

A template is a function or class that is written with a ______data type.

ok

Generic

Which of the following line of code is incorrect?

- A. float i = 60;
- **B.** float *i = float new;
- C. float *i = new float;
- D. float *i = new float[3];

isFull() method of stack class will return true when: stack is full

Before using the pop method of a stack, the user must call the method.

A. pop(); B. push(); C. IsFull(); ok D. isEmpty();

In the calling function, after the execution of the function called, the program continues its execution from the _____after the function call.



A. End **B. Next line** ok C. Beginning D. Previous line

Circular linked list solve the problem of ______ pointers/method of the doubly link list.

- A.Add ok
- B. Null
- C. Find
- D. Remove

What will be postfix expression of following infix expression?4*1⁷⁺² 41|7*2+

In which data structure elements are inserted at the back and removed from the front?

- A. Tree
- B. Stack
- C. Queue

D. Linked List

Trying to remove an element from an empty stack is called _____.

- A. Empty collection
- B. Overflow of stack

C. Underflow of stack ok

ok

D. Garbage collection

An efficient program executes faster and helps in ______ the usage of resources like memory and disk.

- A. Increase
- B. Equalizing
- C. Maximizing

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. Minimizing ok

ok

_ is a collection of elements arranged in a linear order.

A. Stack

- B. Heap
- C. AVL tree
- D. Binary Search Tree

In singly linked list which node will keep track of starting position of the list.

ok

ok

A. Last Node

B. Head Node

- C. Next node
- **D.** Previous Node

Circular Linked List always has ______ NULL pointer/s in a node. 0

Linked List use ______ to store data.

A. Array

B. Variable

C. 2-D Array

D. Linked Memory

To search an element which method of the list searches the entire list from beginning to end? Find();

If we do not have to move too much in the list then use of which one type of list is not necessary/essential. **Circular linked list**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Which of the following signature of the constructor function for a stack is correct as a generic data type? **Template**<stack T>;

"set()" method of list class is used to:

- A. Set the value of lvalue
- B. Set the value of pointer
- C. Set the value of object

D. Set the value of Null Nodes

ok

ok

Consider the linked list having data [6, 72, 35, 65, 25] stored in it. While current pointer is pointing to memory location having 72 stored in it. After calling remove() function on the following linked list current point will point to memory location having value?

ok

- **A**. 6
- B. 25
- C.35
- D.65

Head node pointer always points to the ______ of the linked list?

- A. last node
- **B. first node**
- C. Current node
- D. newly added node

There is no such node whose next field is NULL, which one of the given option supports the statement.

Circular link list

Which one of the following is not a one-step method in List Implementation using Array?

A.get() B.back()

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

C. Find(); D. length()

First element of an int array can be manipulated by using the index zero as

ok

Int[0];

int * i = new int [10]; Above given code will:

A. Allocate memory for 10 integers

ok

- B. Allocate memory for 9 integers
- C. Create an integer having value 10
- D. Create 10 pointers of integer type

A software solution is said to be efficient if it solves the problem

within its resource constraints.

Which kind of data structure is used to evaluate postfix expression? **Stack**

Which of the following is the limitation of the array? **Fix size**

Which of the following function don't belongs to the stack class?

- A. top()
- B. pop()
- C. push() D. crash()

ok

Consider we have performed the following operations on a stack of size 5.



Push(10);Push(20);Push(30);Pop();Pop();Push(40);Push(50);Pop();After the completion of all operations, the number of element present on stack are _____.

A. 10

B. 20 ok

- C. 40
- D. 50

Compiler uses which one of the following in Function calls,

- A. Stack ok
- B. Queue
- C. AVL Tree
- D. Binary Search Tree

Which of the following statement is correct for the variable "current--"?

ok

- A. current = current 2
- B. current -1 =current
- C. current = current + 1
- **D.** current = current -1

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

A. .h file

B. Library

- C. .cpp file
- D. C program file

"new int[11]" will allocate memory for ______ integers.

ok

- A.10
 - **B.** 11
 - C. 12
 - D.13

We cannot remove items randomly from

ok



stack and queue

To create a ______ we link the last node with the first node in the list. Circularly-linked list

Question No:1

(Marks:1)

Vu-Topper RM

Which one is the correct function call for the following function of calculating cube?

A. cube(num)

- B. cube(*num)
- C. cube(&num)
- D. cube(&&num)

Question No:2

(Marks:1)

Vu-Topper RM

In a complete binary tree, for 25000 nodes the depth will be-----

- **A.14**
- **B.** 13
- **C**. 12
- D.11

Question No:3

(Marks:1)

Vu-Topper RM

In level-order traversal for Binary Search Tree, _____ data structure is used.

- A. Queue
- B. Stack
- C. Tree
- D. Heap

Question No:4

(Marks:1)

Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

If both left and right nodes of a node are NULL then this type of node is called a _____ node.

ok

- A. Leaf
- B. Node
- C. Both
- D. None of these

Question No:5

(Marks:1)

Vu-Topper RM

For searching a particular number in Binary Search Tree (if it is not present), the maximum number of comparisons will be ______ comparison(s) at each level.

- A.1 ok
- **B**. 2
- C. 3
- D.4

Question No:6

(Marks:1)

Vu-Topper RM

In a complete binary tree the number of nodes at level 5 are

- A.32
- **B.** 30
- C. 23
- D.40

Question No:7

(Marks:1)

Vu-Topper RM

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

- A. Stack
- B. Tree
 - C. Heap
 - D. Pointer

Question No:8

(Marks:1)

Vu-Topper RM

____ is used for Reference variables in C++.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

A. & ok B. @ C. # D. *

Question No:9	(Marks:1)	Vu-Topper RM
Left, right, info, and par	rent are the operations of	data
structure.	• —	
A. Tree		
B. Heap		
C. Stack		
D. Pointer		
Question No:10	(Marks:1)	Vu-Topper RM
If a function has recursiv	ve call as the last statement,	it is known as
A. Local		
B. Last		
C. Function		
D. Tail recursive		
Question No:11	(Marks:1)	Vu-Topper RM
The abstract data type re	efers to the basic mathematic	al concept that
defines the		
A. Variable		
B. Functions		
C. Pointer		
D. Data type	ok	
Question No:12	(Marks:1)	Vu-Topper RM
When a function calls an	nother function, the paramete	ers and return
address of the calling fu	nction are put in	
e e la	12 00 1 00 12	ada na
ر لیک صحبت بہر ہے	ہائے نہیں ہے اور نشہائی سے	بری صحبت سے لا

A. Stack

ok

B. Heap

C. Queue

D. Binary Tree

Question No:13

(Marks:1)

Vu-Topper RM

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.

- A. Left
- **B.** Right
- C. Upper
- D. Lower

Question No:14

(Marks:1)

Vu-Topper RM

Function signatures are also called :

- A. Function definition
- **B.** Function prototype
- C. Function overriding
- D. Function overloading

Ouestion No:15

(Marks:1)

Vu-Topper RM

If we return the reference of a local variable from a function it will cause:

A. Dangling reference

- B. reference overloading
- C. duplication of local variable
- D. deletion of local variable from memory

Question No:16

(Marks:1)

Vu-Topper RM

In the perspective of memory organization each process is divided into sections.

A.2

B.4 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

ok

- C. 6
- D. 8

Ouestion No:17 (Marks:1) **Vu-Topper RM** The process of getting the value of a variable using pointers is called: A. Referencing **B.** Dereferencing C. Memory allocation D. Memory deallocation **Vu-Topper RM Ouestion No:18** (Marks:1) We allocate memory dynamically by using operator. A. New B. This C. Increment D. Decrement **Question No:19** (Marks:1) **Vu-Topper RM** _ parameter passing (by value or by reference) is similar to PASCAL. A. C++ ok **B. JAVA** C. COBOL D. FORTRAN **Question No:20** (Marks:1) **Vu-Topper RM** Which of the following is known as "Last-In, First-Out" or LIFO Data Structure? A. Tree **B. Stack** ok C. Heap D. Pointer بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Following is a keyword of C++

ok

A. Delete

- B. Update
- C. Remove
- D. Eliminate

Question No:22

(Marks:1)

(Marks:1)

Vu-Topper RM

Vu-Topper RM

If the root of a tree is at level zero, its two children (subtrees) i.e. nodes will be at

- A. Level 1
- B. Level 2
- C. Level 3
- D. Level 4

Ouestion No:23

(Marks:1)

Vu-Topper RM

If the root of a tree is at level three in case of a complete binary tree i.e nodes will be at

- A.4
- B. 6
- **C.8**
- D.10

Ouestion No:24

(Marks:1)

Vu-Topper RM

Suppose we have the following values to be inserted in constructing AVL

tree, 10, 13, 15, 5, 7, 8 Tell when first rotation will take place,

A. After inserting the node 10

B. After inserting the node 15

- C. After inserting the node 20
- D. After inserting the node 25

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

(Marks:1)

Vu-Topper RM

Which data structure is needed to convert infix expression to postfix expression?

- A. Tree
- B. Stack ok
- C. Heap
- D. Pointer

Question No:26

(Marks:1)

Vu-Topper RM

In AVL tree during insertion, a single rotation can fix the balance in cases ______ and.

- **A.1**
- B. 2
- **C**. 3
- D.4

Question No:27

(Marks:1)

Vu-Topper RM

Which type of rotation can balance the following AVL tree?

- A. Single left
- B. Single right
- C. Double right-left
- **D. Double left-right**

Question No:28

(Marks:1)

Vu-Topper RM

If the root of a tree is at level two in case of a complete binary tree i.e nodes will be at _____.

A.2 B.4 C.6 D.8

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:29 To search an element in ALV A. False B. True C. In some cases D. Searching cannot be perf	(Marks:1) tree, it takes maximum	Vu-Topper RM 1.88 Log2n time.
Question No:30Local variables of a function aA. StackB. TreeC. HeapD. Pointer	(Marks:1) are stored in,	Vu-Topper RM
Question No:31For making Binary Search Treetype.A. IntB. CharC. FloatD. Double	(Marks:1) ee for Strings we need, _	Vu-Topper RM data
Question No:32 We can make a lexicographic A. ASCII values B. Binary digits C. Random choice D. Memory addresses	(Marks:1) order of characters based	Vu-Topper RM d on their
Question No:33 A BST generated from the dat A. Linear B. Un sorted	(Marks:1) a in ascending order is _	Vu-Topper RM
ئی سے نیک صحبت بہتر ہے For More Help Con	تنہائی بہتر ہے اور تنہا .tact What's app 0	بری صحبت سے 3224021365

C. Balanced

D. Nonlinear

Question No:34 (Marks:1) **Vu-Topper RM** The ______ of a node in a binary tree is defined as the height of its left subtree minus height of its right subtree. A. Width B. Level C. Height **D. Balance Question No:35** (Marks:1) **Vu-Topper RM** operator have to be destroyed All the objects created using explicitly. A. New ok B. Build C. Create D. Construct **Question No:36** (Marks:1) **Vu-Topper RM** Which of the following is a nonlinear data structure? A. Tree B. Heap C. Stack D. Pointer **Question No:37** (Marks:1) **Vu-Topper RM** Consider the following push operations of a Stack: A. Stack.push(4); B. Stack.push(6); C. Stack.push(5); **D.** Stack.push(8);

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:38 (Marks:1) **Vu-Topper RM** ~BinarySearchTree() is a A. Destructor ok B. Constructor C. Switch case D. Template method call **Question No:39** (Marks:1) **Vu-Topper RM** HOW many cases of rotation are there in AVL tree? A.2 **B.4** C. 6 D.8 **Question No:40** (Marks:1) **Vu-Topper RM** _____ tree has been named after two persons Adelson-Velskii and Landis. A.AVL B. RED C. Tree D. Binary search **Ouestion No:41** (Marks:1) **Vu-Topper RM** If there is a strictly complete binary tree of depth 3, the total number of nodes in it will be? A.7 ok **B.** 8 C. 15 D.16 **Ouestion No:42** (Marks:1) **Vu-Topper RM** There are _____ cases of Rotation in AVL tree. A.2

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

B.4

C. 6 D. 8

D. 8

Question No:43

(Marks:1)

Vu-Topper RM

If one converts the above expression into postfix, what would be the resultant expression?

- A. 78/9+
- B. 87/9+
- C. +78/*
- D. 9/78+

Question No:44

(Marks:1)

In simple or singly linked list there is/are _____ node.

- A. One
- B. Two
- C. Four
- D. Three

Question No:45

The principal benefit of a linked list over a conventional array is that the order of the linked items may be_____ from the order that the data items are stored in memory.

A. Same

- B. Different
- C. Both
- D. None of these

Question No:46

(Marks:1)

Vu-Topper RM

The computer memory can be thought of as a/an

A. Tree

B. Array ok

C. Heap

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

(Marks:1)

Vu-Topper RM

Vu-Topper RM pointer/s in each

D. Pointer

Question No:47	(Marks:1)	Vu-Topper RM
Suppose we have a value	e for Queue: 2 1 4 6 3W	/here front is at 2 and
rear is at 3, after dequeue	e one element from that	t Queue, what will be the
resultant Queue?		
A.214638		
B. 8 2 1 4 6 3		
C.81463	ok	
D.21468		
Question No:48	(Marks:1)	Vu-Topper RM
The is a decrement op	erator in C++ that decre	eases the value of the
operand by		P 7
A. One ok		
B. Two		
C. Five		
D. Six		
Question No:49	(Marks:1)	Vu-Topper RM
In Left-Right case of rota	ation in tree.	A double rotation is
performed.		
A.AVL		
B. VLA		
C. EVL		
D. LVA		
Question No:50	(Marks:1)	Vu-Topper RM
The of every no	de should be 1, 0 or -1	otherwise, it will not be
an AVL tree.		
A. Tree		
B. AVL		
C. Pointer		
نیک میدیت ہیں ہے	ليلا ب اور تثياب س	لاع معلك س للباني

D. Balance

Question No:51In singly linked list a node conA. Twook	(Marks:1) mprises of	Vu-Topper RM field/s.
B. One		
C. S1X D. Five		
Question No:52	(Marks:1)	Vu-Topper RM
int htdiff = height(root->getLe	eft()) height(root->get	Right()); The above
line of code is taken from AV	L insert method. Comp	lete it by selecting
an appropriate symbol.		
A. Minus (-)		
B. Add		
C. Sub		
D. Multiple		
Ouestion No:53	(Marks:1)	Vu-Topper RM
Each operator in a postfix exp	pression refers to the pre	evious
operand(s).		
A. Two		
B. Three		
C. Four		
D. Five		
Question No:54	(Marks:1)	Vu-Topper RM
The method of list w	vill position the current	Node and
lastCurrentNode at the start of	f the list.	
A. Start		
B. End		
C. Middle		
D. None of these		
ئی سے نیک صحبت بہتر ہے	نہائی بہتر ہے اور تنہا	ہری صحبت سے ت

(Marks:1)

Vu-Topper RM

_____ is utilized at the time of memory allocation in dynamic manner.

A. Heap

- B. Stack
- C. Array
- D. Function

Question No:56

(Marks:1)

Vu-Topper RM

What will be the result of evaluating following expression? 5+3*2/(6-3)

- A.1
- B. 3

C.7 ok

D. 5

Question No:57

(Marks:1)

Vu-Topper RM

Which of the following is the correct conversion of infix to postfix expression?

ok

- A. Z+B-(D-H)/K
- B. ZB+DH-K/-
- C. Z+B-(H-D)/K
- D. Z+B-(D-H)

Question No:58

(Marks:1)

Vu-Topper RM

The ______ of a binary tree is the maximum level of its leaves (also called the depth).

- A. Width
- B. Level
- C. Height
- D. Balance

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Memory address is stored in

A. Array

B. Int

C. Pointer ok

D. Function

Question No:60

(Marks:1)

(Marks:1)

Vu-Topper RM

Vu-Topper RM

If numbers 5, 222, 4, 48 are inserted in a queue, which one will be removed first?

- A.5
- B. 6
- C. 7
- D.8

Ouestion No:61

(Marks:1)

Vu-Topper RM

Consider the following infix expression. 7/8 + 9 If one converts the above expression into postfix, what would be the resultant expression?

A. 789/+ $B_{1}/78+9$ C.78/9+**D.** 78/+9

Question No:62

(Marks:1)

Vu-Topper RM

is the major factor to see the efficiency of a program.

- A. Time
- B. Cost
- C. Maintance
- D. None of these

Ouestion No:63

(Marks:1)

Vu-Topper RM

There are four cases of rotation in an ______ tree. A.AVL

ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

- B. Tree
- C. Binary
- D. Heap

(Marks:1)

Vu-Topper RM

The back() method decreases the value of variable current by

A. One	ok		
B. Two			
C. Four			
D. Three			
Question No:6	5	(Marks:1)	Vu-Topper RM
Each node in sin	ngly linked list	t contains	
A. One Poin	ters		
B. Two Poin	ters		
C. Six Pointe	ers		
D. Five Point	ters		
Question No:6	6	(Marks:1)	Vu-Topper RM
The sym	bol is used wh	en we want to get	the value of a variable
using pointer			
A. *			
B. @			
C. &			
D.#			
Question No:6	7	(Marks:1)	Vu-Topper RM
In which of the	following fund	ction signatures, th	e value of variable
"num" cannot b	e changed in f	unction body?	
A. int cube(i	nt num)		
B. int cube(in	nt #)		
C. int cube(in	nt *num)		
صحبت بہتر ہے	ئی سے نیگ	، بہتر ہے اور تنہا	بری صحبت سے تنہائے
For Mor	e Help Con	tact What's a	op 03224021365

D. int &cube(int num)

Question No:68(Marks:1)Vu-Topper RMLevel-order traversal for Binary Search Tree can be implemented,

A. Through max-heap

B. Only through recursive method

C. Only through not recursive method

Question No:69

(Marks:1)

ok

Vu-Topper RM traversal

ok

A. Inorder

- B. Preorder
- C. Post order
- D. Level order

Question No:70

(Marks:1)

Vu-Topper RM

A node in AVL tree can become imbalanced due to

- A. insertion operation
- B. deletion operation

C. both insertion and deletion operations

D. node does not imbalance due to insertion and deletion

Question No:71

(Marks:1)

Vu-Topper RM

The ______ sign before the name of the variable means that the address of the variable is being

- A. :: B. # C. II
 - **D.** &

Question No:72

(Marks:1)

Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Which of the following tree is correct next step to balance the given AVL tree?

- A.A
- B.B
- C. C
- D.D

Question No:73	(Marks:1)	Vu-Topper RM
objects (objects a	accessed by pointers) and	re called
anonymous objects.	• •	
A. Public		
B. Private		
C. Friend		
D. Nameless ok	\sim	
Question No:74	(Marks:1)	Vu-Topper RM
The first statement in the give	n code is called as:	
A. Binary Declaration		
B. Pre Class Declaration		
C. Forward Declaration		
D. Post Class Declaration		
Question No:75	(Marks:1)	Vu-Topper RM
What will be level order trave	rsal of the given BST?)
A. 1435286		
B. 6281534		
C. 1234568		
D. 1243568		
Ouestion No:76	(Marks:1)	Vu-Topper RM
The insertion operation in AV	L tree, generally takes	more time than
insertion operation in simple h	inary search tree"	

A. Always correct



- B. Is always incorrect
- C. Can be correct in some cases only
- D. Insertion time is same in AVL and BST

Ouestion No:77 (Marks:1) **Vu-Topper RM**

When a node to be deleted from a BST has both left and right child, after deletion its _____ node will replace this node.

- A. Successor
- **B**. Predecessor
- **C. inorder Successor**
- D. Preorder successor

Ouestion No:78

(Marks:1)

Vu-Topper RM _____ at any level

In a strictly complete binary tree, the number of k will be 2k.

- A. Sets
- B. Link
- C. Nodes
- D. Children

Question No:79

In the perspective of memory organization every process executing, the last part of the memory is for the _____ of the program.

- A. Stack
- B. Data
- C. Heap
- D. Code

Ouestion No:80

(Marks:1)

Vu-Topper RM

What will be output of the given C++ code? Char lhs[]= "Army"; Char rhs[]= "Army"; cout<<strcmp(lhs,rhs);</pre>

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu-Topper RM

(Marks:1)

A.0 ok

B. Syntax Eroor

C. Negative number

D. Positive number

Question No:81 (Marks:1) **Vu-Topper RM**

At a particular node, the difference in heights of its left and right subtree gives the _____ of the

- A. Height
- **B.** Balance
- C. Left subtree
- D. Right subtree

Ouestion No:82

(Marks:1) Vu-Topper RM

In AVL tree insertion occurs on the inside in cases ______ and 3 which a single rotation cannot fix.

- A.1
- **B.**2
- C. 5
- D.4

Ouestion No:83

(Marks:1)

Vu-Topper RM

In the perspective of memory organization every process executing, the second part of the memory is for the _____ of the program.

- A. Stack
- B. Data
- C. Static
- D. None of these

Ouestion No:84

(Marks:1)

Vu-Topper RM

One should be careful about transient ______ that are stored by reference in data structures.

A. Tree

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

B. StackC. ObjectsD. Function

Question No:85 (N

(Marks:1)

Vu-Topper RM

Which of the following is correct syntax to pass a constant variable by reference to a function?

- A. int display(int const val)
- B. int display(const int val)
- C. int display(const &int val)
- **D.** Int display (const int& val)

Question No:86

(Marks:1)

(Marks:1)

ok

Vu-Topper RM

Which of the following data structure is/are linear type?

- A. AVL tree
- B. Graph
- **C. Heap and Stack**
- D. Binary Search Tree

Question No:87

Making the tree unbalanced, it violates the _____ rule.

A.AVL

- B. Stack
- C. Queue
- D. Linked list

Question No:88

(Marks:1)

Vu-Topper RM

Vu-Topper RM

What will be the return type of the findMin method in the statement given below?

Int& findMin()const;

- A. integer pointer
- B. integer variable
- C. constant integer

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

D. Integer reference

Question No:89

(Marks:1)

Vu-Topper RM

of an empty AVL tree is defined to be -1.

- A. Size
- B. Width
- C. Height
- D. Length

Question No:90

(Marks:1)

Vu-Topper RM Which one of the following case is the most complicated case to delete a node from BST?

A. No case is complicated

B. Node to be deleted is the leaf node

C. Node to be deleted has either left child or right child

D. Node to be deleted has both the left and right children

Question No:91	(Marks:1)	Vu-Topper RM
If we delete node 2 from	n the given BST then whic	h node will replace it?
A.1		
B.3 ok		
C. 5		
D.7		
Question No:92	(Marks:1)	Vu-Topper RM
To create a reference va	riable, we need to use	sign.
A. Dollar		
B. Sigma		
C. Asterisk		
D. Ampersand	ok	
Question No:93	(Marks:1)	Vu-Topper RM
1	un flog al 1 stra	

In Binary Search Tree, deleting a node is easy if it is a

node.

A.Left

B. Leaf

C. Root ok

D. Right

Question No:94

(Marks:1)

Vu-Topper RM

Which of the following function(s) is/are used for function call by using pointers?

void func1(int& num) {

num++;

}

void func2(int* num){

num++;

- A. Func2
- B. Func1
- C. Both
- D. None of these

Ouestion No:95

(Marks:1) **Vu-Topper RM** A zigzag rotation is performed. In Left-Left case of rotation in AVL tree.

False

Ture

Ouestion No:96

(Marks:1)

Vu-Topper RM

The lifetime of a transient object cannot exceed that of the application. True

False

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:97 AVL tree is nonlinear data stru True False	(Marks:1) acture.	Vu-Topper RM
Question No:98 AVL tree is linear data structur False True	(Marks:1) re.	Vu-Topper RM
Question No:99 AVL tree is a binary search tre True False	e (Marks:1)	Vu-Topper RM
Question No:100 Elements in a queue data struct from A. Rear end B. Front end C. Front end, rear end D. Rear end. front end	(Marks:1) ture are added from ok	Vu-Topper RM and removed
Question No:101 Which of the following travers sorted order? A. inOrder() ok B. Pre-order C. Post-order D. Level order	(Marks:1) al method traverses the	Vu-Topper RM binary tree in

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے For More Help Contact What's app 03224021365

In which traversal method, the	e recursive calls ca	n be used to traverse a
binary tree?		
In preorder traversal		
Question No:103 Which of the following is TR	(Marks:1) UE for search oper	Vu-Topper RM ations in a binary tree as
A. Search operation becom	es slower	
C. It increases the number of C. The number of comparis	of comparisons of comparisons sons remain same	
Question No:104	(Marks:1)	Vu-Topper RM
In a tree, we link the nodes in	such a way that it	a linear
Does not remain		
Question No:105	(Marks:1)	Vu-Topper RM
When a function calling itself Recursion	is called as	
Question No:106	(Marks:1)	Vu-Topper RM
In a program a reference varia int &x	able with name "x"	can be declared as
Question No:107	(Marks:1)	Vu-Topper RM
A binary tree is said to be a	binary tree if	every non-leaf node in a
binary tree has non-empty left Strictly binary tree	t and right subtrees	

(Marks:1)

Vu-Topper RM

Question No:102

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:108 We can calculate the from the bottom. Height	(Marks:1) of a subtree b	Vu-Topper RM by counting its levels
Question No:100	(Marks+1)	Vu-Topper PM
In C_{++} we place the class in	terface in	file
A b		IIIC.
B con		
C ccp		
D hhh		
D. mm		
Ouestion No:110	(Marks:1)	Vu-Topper RM
In which traversal method ro	ot node is visited at	last step?
A. Inorder		
B. Preorder		
C. Level order		
D. Post-order o	k A	
Question No:111	(Marks:1)	Vu-Topper RM
For a complete binary tree w	ith n numbers of noo	des, the depth is
calculated as		
A. $\log 2(n-1) + 1$		
B. $\log 2(n-1) - 1$		
$C. \log 2 (n+1) - 1$	ok	
D. $\log 2(n+1) + 1$		
Question No:112		Vu-Topper RM
A is a tree in wr	nich every level, exc	ept possibly the last, is
Completely filled.		
A. Full billary Tee D. Strigt Diparty tree		
C Perfect Binary tree		
	e) 000 1 00	\$ 000 DP
ی سے لیک صحب بہتر ہے	ر بہتر ہے اور للہا	بری صحب سے للہائے
For More Help Co	ntact What's a	n 03224021365

D. Complete binary tree	ok	
Question No:113 Local variables defined inside the end of function execution. Destroyed	(Marks:1) function body are _	Vu-Topper RM automatically at
Question No:114 BinarySearchTree () is Destroyed	(Marks:1) ?	Vu-Topper RM
Question No:115 Sub-tree of binary search tree A. Binary tree B. Strictly binary tree C. Binary search tree D. Complete binary tree	(Marks:1) should be	Vu-Topper RM
Question No:116 Josephus problem is resolved A. List B. Stack C. Queue D. Circular linked list	(Marks:1) by the implementati ok	Vu-Topper RM on of
Question No:117 In which of the following tree greater than left child and sma Binary search tree	(Marks:1) for each node, the v aller than right child	Vu-Topper RM value of root node is ?
Question No:118 If we use singly linked list to i gives difficulty when we: We will increase its size	(Marks:1) implement list, then	Vu-Topper RM there is an issue that it بری صحبت سے تنہا
For More Help Con	tact What's ap	p 03224021365

Question No:119	(Marks:1)	Vu-Topper RM
A. returns the last elemen	t of the "current" point	 nter
B. returns the first element	nt of the "current" poi	nter
C. moves the "current" po	ointer to the very first	element
D. Moves the "current"]	pointer to the very la	nst element ok
Question No:120	(Marks:1)	Vu-Topper RM
Two common models of sin	nulation are	and
··		
A. Circuit-based simulation	on and Time-based sin	mulation
B. Circuit-based simulation	on and Event-based si	imulation
C. Time – based simulation	ion and Event- based	I SIMULATION OK
D. Circuit dased simulation	on and Object oriented	
Ouestion No:121	(Marks:1)	Vu-Topper RM
When add() operation of a li	inked list is called the	following action is
done		e
A new node is made		
Question No:122	(Marks:1)	Vu-Topper RM
What will be the postfix exp	pression of following	infix expression?
A. A B $*$ C + D E/ –	olz	
$\mathbf{B} \cdot \mathbf{A} \cdot \mathbf{B} + \mathbf{C} \cdot \mathbf{D} + \mathbf{E} = \mathbf{C} \cdot \mathbf{A} \cdot \mathbf{B} + \mathbf{C} \cdot \mathbf{A} \cdot \mathbf{B} + \mathbf{E}$	UK	
DAB*C/D+E =		
Ouestion No:123	(Marks:1)	Vu-Topper RM
Stack and Queue can be imp	blemented using	?
A. AVL Tree	0	
B. Binary Tree		
C. Singly Link List	ok	
ں سے نیک صحبت بہتر ہے	ی بیتر ہے اور تنہائے	بری صحبت سے تنہائے
For More Help Co	ontact what's ap	p 03224021365

D. Binary Search Tree

Question No:124

(Marks:1)

Vu-Topper RM

What will be postfix expression of the following infix expression? Infix Expression **Abc*+d-**

Question No:125(Marks:1)Vu-Topper RM

_____ method returns the top element of the stack without removing it. **Top()**

Question No:126

(Marks:1)

(Marks:1)

Vu-Topper RM

Vu-Topper RM

In tree, the search operation is ______ as compared to the linked list. Very fast

Question No:127

In_____, a programmer uses two pointers in the node, i.e. one to point to next node and the other to point to the previous node. Linked list

Question No:128

(Marks:1)

Vu-Topper RM

ok

A queue is a data structure where elements are

- A. inserted and removed from the top.
- **B. Inserted and removed from both ends**
- C. inserted at the front and removed from the back.
- D. inserted at the back and removed from the front.

Question No:129

(Marks:1)

Vu-Topper RM

The stack implementing an array causes worst case behavior when the insertion and deletion of an element done from **Beginning of an array**



If a node is inserted in outer side of a node in binary search tree then to
make it AVL tree,
We may have to apply single rotationQuestion No:131(Marks:1)Vu-Topper RM

ok

Stack.push(15) will push 15 on ______ A. Bottom of Stack

- **B. Top of the stack**
- C. Middle of the Stack
- D. Anywhere in the Stack

Question No:132

Ouestion No:130

During the execution of a process, operating system constructs four things for that process. Which of the following is not part of that process?

- A. Stack
- B. Heap
- C. Liked list

D. A section for static data including global variables

ok

Question No:133

Suppose there are three nodes tree with three numbers 14, 4, 15. Following is not a permutation, or combination for output them. (4,4, 15)

Question No:134

(Marks:1)

(Marks:1)

Vu-Topper RM

Vu-Topper RM

The type of expression in which operator succeeds its operands is ______expression.

ok

- A. Infix
- B. Prefix
- C. Postfix
- D. Preorder

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

(Marks:1)

Vu-Topper RM

Vu-Topper RM

(Marks:1)

Question No:135 The function calls are ma Queue	(Marks:1) de with the help of	Vu-Topper RM
Question No:136	(Marks:1)	Vu-Topper RM
In case of insertion of rig Left rotation then right	to make AVL	
Question No:137	(Marks:1)	Vu-Topper RM
Which operation of queue	e data structure is used to	get front element
from the queue and then a	remove it from the queue	?
A. front()		
B. remove()		
C. dequeue()	ok	
D. enqueue()		
Question No:138	(Marks:1)	Vu-Topper RM
In various cel	ls of memory are not loca	ted continuously.
Linked list		
		V. T DM
Which operation of quar	(Marks:1)	insert on alamant into
the Queue?		insert an element into
Enqueuer()		
Question No:140	(Marks:1)	Vu-Topper RM
From Operating System p	point of view, the recursiv	ve function calls are
made with the help of	·	
A. Stack ok		
B. Queue		
C. Linked list		
D. Binary Search Tree		
ب نیک میجنٹ بیٹر ہے	L. LAR L. las Phylic, w	ارع منطب الله

Question No:141	(Marks:1)	Vu-Topper RM		
Array cells are	_ in computer memory.			
Contiguous				
Question No:142	(Marks:1)	Vu-Topper RM		
Leaf node of binary search	h tree contains			
A. No Null pointer				
B. One null pointer	ok			
C. Two Null pointers				
D. Three Null pointers				
1				
Ouestion No:143	(Marks:1)	Vu-Topper RM		
dequeue() operation of qu	eue data structure is used	to		
eequeue() speranon of qu	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
A insert an element at	- the front			
B insert an element at	the back			
C get an element from	the front of the queue			
D remove an element from the front and return it				
Diffentive un cientent	from the front and fetu			
Question No.144	(Marks.1)	Vu-Topper RM		
The depth of a binary tree	ic	vu ropper kivi		
Maximum level of a leaf				
Wiaxiniuni Revel of a Real				
Question No:145	(Marks:1)	Vu-Topper RM		
Which of the following or	peration returns but do no	t removes ton value		
of the stack?	peration returns but do no	t temoves top value		
Ton				
Top				
Question No.146	(Marks-1)	Vu-Topper RM		
In doubly linked list a nor	le consists of three narts			

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

2 pointer and 1 object

Question No:147(Marks:1)Vu-Topper RMLast node in circular linked list containsNo null pointerQuestion No:148(Marks:1)Vu-Topper RMA _____ model attempts to model a real-world phenomenon

ok

- A. Logical
- B. Physical
- **C. Simulation** D. Conceptual

Question No:149

(Marks:1)

Vu-Topper RM

Factorial is an example of ______function.

Question No:150

(Marks:1)

Vu-Topper RM

Which one of the following calling method does not change the original value of the argument in the calling function?

- A. Call by passing as name
- **B.** Call by passing as value
- C. Call by passing as pointer
- D. Call by passing as reference

Question No:151

(Marks:1)

Vu-Topper RM

In level-order traversal for Binary Search Tree, we visit the nodes at each level before proceeding to the next level, in a ______ order. Left -to -right

Question No:152(Marks:1)Vu-Topper RMBinary Search Tree voilates the condition of AVL tree when any node
has balance equal to
1or-1Image: Condition of AVL tree when any node

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:153 is when function is	(Marks:1) calling to itself.	Vu-Topper RM
Recursion		
Question No:154 Which of the following function Crash()	(Marks:1) n don't belongs to the sta	Vu-Topper RM ack class?
Question No:155 copy() method of List data struct A. Copy first item of list B. Copy any item of list C. Copy last item of list D. Set one list to be a copy of	(Marks:1) cture of another ok	Vu-Topper RM
Question No:156 Following is true in case of usin The code becomes very short	(Marks:1) ng Recursive method cal	Vu-Topper RM ls
Question No:157 is a self-balancing tre Binary Search Tree	(Marks:1) e.	Vu-Topper RM
Question No:158 While implementing stack with we used push and pop elements The start of the array	(Marks:1) an array and to achieve at	Vu-Topper RM LIFO behavior,
Question No:159 Generalized code written for a c Template	(Marks:1) class is called:	Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Question No:160 Which of the following statem Pointers store the next data	(Marks:1) nent is false? element of a list	Vu-Topper RM
Question No:161 Want and de-allocatmg memory than pre-allocated array More	(Marks:1) ory for linked lest n	Vu-Topper RM odes does take hrne
Question No:162	(Marks:1)	Vu-Topper RM
Suppose you are writing a class constructor of the class, then Compiler will automatically	ss for Node class an generate a defaul	nd forgot to write the t constructor
Ouestion No:163	(Marks:1)	Vu-Topper RM
Which of the following is the	correct option for p	priority Queue?
The type of queues that is F	IFO i.e. the person	n who comes first
should leave first.		
Question No:164 add(12) method of linked list Add 12 as value in linked lis	(Marks:1) class will: t	Vu-Topper RM
Question No:165	(Marks•1)	Vu-Topper RM
In singly linked list "next" fie A. Object of next node B. Address of head node C. Object of current node	ld of node contains	:
D. Address of next node	OK	
Question No:166	(Marks:1)	Vu-Topper RM
Which of the following line of	f code is incorrect?	

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

The lifetime of a transient object can exceed that of the application which is accessing it.

Question No:167

(Marks:1)

Vu-Topper RM

Vu-Topper RM

A list is the collection of items of the _____ Same type

Question No:168

(Marks:1)

back() method of List class is used to:

- A. Moves the "current" pointer to backward four elements.
- B. Moves the "current" pointer to backward two elements.
- C. Moves the "current" pointer to backward three elements.
- D. Moves the "current" pointer to backward one element. ok

Question No:169

(Marks:1)

Vu-Topper RM

_ is the maximum height of the AVL tree.

- A.1.44
- B. Log2n
- C. 1.44log2n
- D.4.44log22

Question No:170

(Marks:1)

ok

Vu-Topper RM

length() method of List class is used to:

A. Return the length of the array

B. Return the length of the list

C. Return the length of empty part of the list

ok

D. Return the length of empty part of the array

Question No:171

(Marks:1)

Vu-Topper RM

Allocating and de-allocating memory for linked list nodes does take _______ time than pre-allocated array.

A. More

B. Less

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

C. No D. Equal

Ouestion No:172

(Marks:1)

Vu-Topper RM

In which case of insertion we require double rotation to make the AVL tree balance.

None

Ouestion No:173

(Marks:1)

(Marks:1)

Vu-Topper RM

Vu-Topper RM

In array list the worst case of removing an element is To remove an element from the end of the list

Ouestion No:174

Whenever we call a function, the compiler makes a stack, the top element of the stack is _____ of the function.

ok

A. First argument

B. Last argument

- **C. Return Address**
- D. Variable name only

Question No:175

(Marks:1) Vu-Topper RM

Whenever we call a function, the compiler makes a that it uses to fulfill this function call. Stack

Ouestion No:176 (Marks:1) Vu-Topper RM rule applies for evaluating operators of same precedence in an expression None

Ouestion No:177 (Marks:1) Vu-Topper RM The postfix form of the expression A + B * C and (A + B) * C will be

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Same

Question No:178 If we use array to implement list difficulty when:	(Marks:1) at, then there is an issue	Vu-Topper RM that it gives			
We will access value randoml	y				
Question No:179	(Marks:1)	Vu-Topper RM			
During in-order traversal using NULL. It means this node will a It will not have left child	recursive calls, if we for satisfy following condit	ound a node is tion.			
Question No:180	(Marks:1)	Vu-Topper RM			
Which one the following is more closer to AVL tree, (chose the best option)					
Binary Search Tree					
Question No:181	(Marks:1)	Vu-Topper RM			
In internal memory organization of a process, there is some area of memory for static data that holds variables. Both Static and Global					
Question No:182	(Marks:1)	Vu-Topper RM			
Which one is not the property of binary tree?					
Sibling node should be same parent					
Question No:183	(Marks:1)	Vu-Topper RM			

What's wrong with following loop? while((i < 10) && (i > 24)) { } **The Condition is always false**

Visit My YouTube Channel For More Important Notes Channel Name = <mark>#VuTopperRM</mark>

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے