

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

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1

Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

- A < char > obj;
- <char>A obj;
- A obj<char>;
- Obj <char> A;

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Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

- public members of Derv.
- protected members of Derv.
- private members of Derv.
- protected members of Base.

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In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

- template <typename T>
- typename <template T>
- Template Class <ClassName>
- Class <Template T>

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A class template \_\_\_\_\_

Answer ( Please select your correct option )

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

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Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

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Which of the following is incorrect line regarding function template?

Answer ( Please select your correct option )

- template<class T>
- template <typename U>
- Class<template T>
- template < class T, class U>

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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following acts as an interface of the class?

Answer ( Please select your correct option )

- Private member functions
- Public data members
- Public member functions
- Private data members

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A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

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Encapsulation is a feature of Object Oriented Programming which means,

Answer ( Please select your correct option )

- Keep data separated from code
- Keep data and code in a single place
- Keep data separated from code and also keep data and code in a single place
- Reusing code by creating new classes from previously created classes

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Abstract class has \_\_\_\_\_.

Answer ( Please select your correct option )

- Zero Instances
- One Instance
- Two Instances
- Many Instances

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Which of the following is an example of accessor function?

Answer ( Please select your correct option )

- Constructors for intilizing objects
- Getters for getting data member values
- Destructors to free the memory space
- Copy constructor to create a new object from existing object

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Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

A **friend** function can access a class's private data without being a \_\_\_\_\_.

Answer ( Please select your correct option )

- Static member of the class
- None member of the class
- Member of the class
- Constant member of the class

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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

- Noun
- Pronoun
- Verb
- Adverb

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Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

- default type
- static type
- abstract type
- reference type

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Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

- can be
- cannot be
- does restrict to be
- never

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When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

Answer ( Please select your correct option )

- Run time
- Compile time
- Processing time
- Execution time

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Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

- vector, class
- typename, class
- template, class
- type, class

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

- template < class class\_name>
- template < class\_name data\_type>
- template < class T >
- class template<class\_name>

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*> {  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

- Reusability
- Writability
- Maintainability
- Efficient memory usage

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Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

- variable
- array
- function
- datatype

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Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 2
- 4

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An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.

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An STL container can not be used to:

Answer ( Please select your correct option )

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

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The find() algorithm

Answer ( Please select your correct option )

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

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Objects having identical characteristics belong to,

Answer ( Please select your correct option )

- Same class
- Two different classes
- Any number of different classes
- Objects can not have identical characteristics

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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A static member function can be called, even when an object is not \_\_\_\_\_.

Answer ( Please select your correct option )

- Excecute
- 
- 
- Mention

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

The following overloaded operator ..... takes no argument.

Answer ( Please select your correct option )

- /
- 
- +
- ++

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How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

- Only one per constructor.
- As many as the application asks for.
- Only one per class.
- One object per variable.

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

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A static function

Answer ( Please select your correct option )

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement  
{  
public:  
    virtual void Print() { cout << "Generic element"; }  
};  
class Heading : public DocElement
```

Answer ( Please select your correct option )

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

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The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

Sort the following data in the order in which compiler searches a function?  
Complete Specialization, Generic Template, Partial Specialization, Ordinary Function.

Answer ( [Please click here to Add Answer](#) )

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Friend functions minimize "Encapsulation", What is your opinion?

Answer ( Please [click here](#) to Add Answer )

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Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

State any two reasons why virtual methods can not be static?

Answer ( [Please click here to Add Answer](#) )

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Question No : 44 of 52 Marks: 2 (Budgeted Time 4 Min)

Give two advantages that Iterators provide over Cursors.

Answer ( [Please click here to Add Answer](#) )

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Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( Please [click here](#) to Add Answer )

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Describe three properties necessary for a container to implement Generic Algorithms.

Answer ( Please [click here](#) to Add Answer )

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Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Consider the following code:

```
class Teacher {  
int id  
char * name;  
float salary
```

Answer ( [Please click here to Add Answer](#) )

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What is Graceful Termination method of Error Handling; give its example using C++ code.

Answer ( Please [click here](#) to Add Answer )

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Navigation controls including an information icon, back, forward, and search buttons.

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

See the 5 code snippets below and tell whether these are correct or incorrect also justify your answers in the table given at the end.

### Snippet No.1

```
template< class T>  
class A {
```

Answer ( [Please click here to Add Answer](#) )

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Navigation controls including an information icon, back, forward, and search buttons.

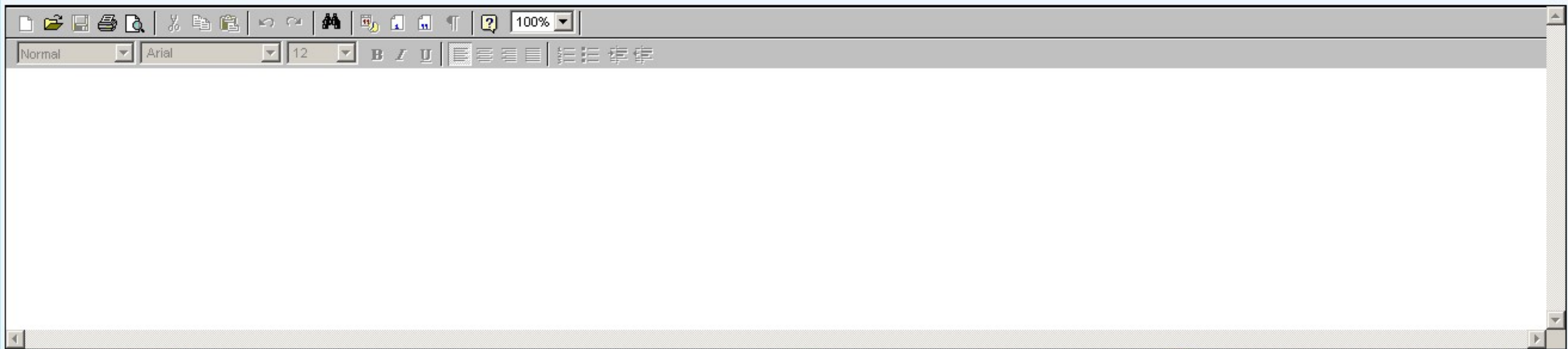
Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program which consists of a class named **Department**, this class should consists of two data members **DeptName** and **No\_of\_emps**, The class should further consists of three overloaded constructors, i.e. Default constructor, one argument constructor and two argument constructor and a member function named **Display** which display the Department information.

In main program define three reference variables for respective constructors and display its information.

Answer ( Please [click here](#) to Add Answer )



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CS304 Object Oriented Programming

MC110402321 (SIDRA HADAYAT ALIAS SIDRA ZAFAR)

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

Consider the following code:

```
// publication class and derived classes  
#include <iostream>  
#include <string>  
using namespace std;
```

Answer ( Please [click here](#) to Add Answer )

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CS304 Object Oriented Programming

MC110402321 (SIDRA HADAYAT ALIAS SIDRA ZAFAR)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

Answer ( Please [click here](#) to Add Answer )

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

- A< char > obj;
- <char>A obj;
- A obj<char>;
- Obj <char> A;

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

When the base class and the derived class have a member function with the same name, you must be more specific which function you want to call (using \_\_\_\_\_).

Answer ( Please select your correct option )

- scope resolution operator
- dot operator
- null operator
- Operator overloading

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3 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

An abstract class is useful when,

Answer ( Please select your correct option )

- We do not derive any class from it.
- There are multiple paths from one derived class to another.
- We do not want to instantiate its object.
- You want to defer the declaration of the class.

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

general template

partial specialization

complete specialization

ordinary function

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Three main characteristics of "Object Oriented programming" are,

Answer ( Please select your correct option )

encapsulation, dynamic binding, polymorphism

polymorphism, overloading, overriding

encapsulation, inheritance, dynamic binding

encapsulation, inheritance, polymorphism

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A private member or variable is not accessible to:

Answer ( Please select your correct option )

Base class

Derived class

Abstract class

virtual class

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 8 of 52

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A non virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Abstract
- virtual

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CS304 Object Oriented Programming

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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

By default, which access level is assigned to members of a class?

Answer ( Please select your correct option )

- Public
- Private
- Local
- Protected

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following can be the instance of class Vehicle?

Answer ( Please select your correct option )

Car, Computer, Desk

Ahmad, Bicycle, Truck

Computer, Truck, Ahmad

Car, Bicycle, Truck

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

In OOP's, advantage of inheritance include all of the given below except,

Answer ( Please select your correct option )

- Provide a useful conceptual framwork
- Reusing the code
- Dealing with real world entities
- Decrease maintainability

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CS304 Object Oriented Programming

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

What would be the output of following code?

```
class dummy
{
private:
    int data;
```

Answer ( Please select your correct option )

- Compile-time error
- Output is 0
- Run-time error
- Output will be a garbage value

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which will be the good example of a method that is shared by all instances of a class?

Answer ( Please select your correct option )

Virtual method

Overloaded method

Constant method

Static method

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

If you do not initialize static variable of int type then it is automatically initialized with \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 1
- Null

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

- Directly
- Indirectly
- Consecutively
- Simultaneously

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

Answer ( Please select your correct option )

- Protected members
- Global members
- Static members
- Friends members

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17 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

Answer ( Please select your correct option )

System

User

System and User

Administrator

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18

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

- Overloaded
- Copy riding
- Overwriting
- Overriding

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19  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

- Private
- Protected
- Non private
- Public

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20  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

Answer ( Please select your correct option )

- Run time
- Compile time
- Processing time
- Execution time

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21  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following causes a compile time error?

Answer ( Please select your correct option )

- Declaring object of a concrete class in the definition of main function
- Writing output statement in constructor's definition
- Declaring object of a class having atleast one pure virtual function
- Declaring object of a class having all virtual functions

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22  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

Public, Private

Private, Protected

Protected, Public

Public, Protected, Private

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23  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) int iArray[5];
- 2) int \*pArr = iArray;

Answer ( Please select your correct option )

Error in first statement

Error in second statement

Error in both statements

No error in both statements

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24 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implementation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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25  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

Reusability

Writability

Maintainability

Efficient memory usage

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26

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

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27  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

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28  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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29  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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30 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

Answer ( Please select your correct option )

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

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31 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

A range is often supplied to an algorithm by two \_\_\_\_\_ values.

Answer ( Please select your correct option )

- italic
- iteration
- iterator
- container

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32 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is Not an example of error handling techniques?

Answer ( Please select your correct option )

- Abnormal Termination
- Graceful Termination
- Return the illegal value
- Returning a value

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33  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ remain in memory even when all objects of a class have been destroyed.

Answer ( Please select your correct option )

Static variables

Instance variable

Primitive variables

Dynamic Variables

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34

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume that a user wants to count, how many objects are created for a particular class, which one will be most suitable to perform this task:

Answer ( Please select your correct option )

Const data member

Non static data member

Static data member

Global data member

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35  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

We ..... change the evaluation precedence of operators through operator overloading.

Answer ( Please select your correct option )

- Can
- Can not
- Only
- Just

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36

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chosed the best option)

Answer ( Please select your correct option )

- Data can be quickly inserted or deleted at any arbitrary location.
- Data can be relatively slowly inserted or deleted at any arbitrary location.
- Data can not be quickly inserted or deleted at either end.
- Data can be relatively slowly inserted or deleted at either end.

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37  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

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38  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

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39 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 1
- 2
- 3
- As many as necessary.

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40  
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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Give at least one advantage and one disadvantage of templates.

Answer ( Please [click here](#) to Add Answer )

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41

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Person class is an abstract class, which have some specific features. Briefly describe the silent features of abstract class.

Answer ( Please [click here](#) to Add Answer )

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42

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

While overloading stream insertion and extraction operators a programmer can not declare ostream and istream reference as constant. Why?

Answer ( Please [click here](#) to Add Answer )

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43

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**CS304 Object Oriented Programming**

**BC110400370 (USAMA AHMAD)**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

Answer ( [Please click here to Add Answer](#) )

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44

**MADE BY WAQAR SIDDHU**

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Describe three properties necessary for a container to implement Generic Algorithms.

Answer ( Please [click here](#) to Add Answer )

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45

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Consider the code given below and answer the questions at the end,

```
class Base
{
private:
    int x;
```

Answer ( Please [click here](#) to Add Answer )

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( Please [click here](#) to Add Answer )

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47

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management; also describe how we can correct that error/s.

```
class Test{  
public:  
int function1(){
```

Answer ( Please [click here](#) to Add Answer )

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48

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,  
1. You have to identify any error/s in this code and describe the reason for error/s.  
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( Please click here to Add Answer )

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

What is virtual function? Explain it with coding example.

Answer ( Please click here to Add Answer )

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50

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CS304 Object Oriented Programming

BC110400370 (USAMA AHMAD)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Briefly give benefits of the use of static variable noOfStudents along with static method by considering following coded example:

```
class Student {  
    static int noOfStudents;
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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51

MADE BY WAQAR SIDDHU

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

**VuAnswers.com**

Answer ( Please select your correct option )

Templates



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Overloading

Overriding

Friend function/class

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

VuAnswers.com

Answer ( Please select your correct option )

A < char > obj;



<char>A obj;

A obj<char>;

Obj <char> A;

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

When the base class and the derived class have a member function with the same name, you must be more specific which function you want to call (using \_\_\_\_\_).

**VuAnswers.com**

Answer ( Please select your correct option )

scope resolution operator

dot operator

null operator

Operator overloading

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

An abstract class is useful when,

**VuAnswers.com**

Answer ( Please select your correct option )

We do not derive any class from it.

There are multiple paths from one derived class to another.

We do not want to instantiate its object.

You want to defer the declaration of the class.

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program; the first priority is given to,

VuAnswers.com

Answer ( Please select your correct option )

general template

partial specialization

complete specialization

ordinary function ✓

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Three main characteristics of "Object Oriented programming" are,

**VuAnswers.com**

Answer ( Please select your correct option )

- encapsulation, dynamic binding, polymorphism
- polymorphism, overloading, overriding
- encapsulation, inheritance, dynamic binding
- encapsulation, inheritance, polymorphism

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A private member or variable is not accessible to:

**VuAnswers.com**

Answer ( Please select your correct option )

Base class

Derived class

Abstract class

virtual class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A non virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

**VuAnswers.com**

Answer ( Please select your correct option )

Base

Derived

Abstract

virtual

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

**VuAnswers.com**

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

By default, which access level is assigned to members of a class?

**VuAnswers.com**

Answer ( Please select your correct option )

Public

Private

Local

Protected

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following can be the instance of class Vehicle?

VuAnswers.com

Answer ( Please select your correct option )

Car, Computer, Desk

Ahmad, Bicycle, Truck

Computer, Truck, Ahmad

Car, Bicycle, Truck

Correct answer solved by hadi  
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Made by: Waqar Siddhu

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

In OOP's, advantage of inheritance include all of the given below except,

**VuAnswers.com**

Answer ( Please select your correct option )

- Provide a useful conceptual framwork
- Reusing the code
- Dealing with real world entities
- Decrease maintainability

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

What would be the output of following code?

```
class dummy
{
private:
    int data;
```

VuAnswers.com

Answer ( Please select your correct option )

- Compile-time error
- Output is 0
- Run-time error
- Output will be a garbage value

Made by: Waqar Siddhu

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which will be the good example of a method that is shared by all instances of a class?

VuAnswers.com

Answer ( Please select your correct option )

Virtual method

Overloaded method

Constant method

Static method

Correct answer solved by hadi  
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Made by: Waqar Siddhu

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

If you do not initialize static variable of int type then it is automatically initialized with \_\_\_\_\_.

**VuAnswers.com**

Answer ( Please select your correct option )

0



Correct answer solved by hadi  
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Cell : 03228043306

1

-1

Null

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

**VuAnswers.com**

Answer ( Please select your correct option )

- Directly
- Indirectly
- Consecutively
- Simultaneously

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

**VuAnswers.com**

Answer ( Please select your correct option )

Protected members

Global members

Static members

Friends members

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

VuAnswers.com

Answer ( Please select your correct option )

- System
- User
- System and User
- Administrator

Correct answer solved by hadi  
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Made by: Waqar Siddhu

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

**VuAnswers.com**

Answer ( Please select your correct option )

Overloaded

Copy riding

Overwriting

Overriding ✓

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

**VuAnswers.com**

Answer ( Please select your correct option )

- Private
- Protected
- Non private
- Public

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

**VuAnswers.com**

Answer ( Please select your correct option )

Run time

Compile time

Processing time

Execution time

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following causes a compile time error?

**VuAnswers.com**

Answer ( Please select your correct option )

Declaring object of a concrete class in the definition of main function

Writing output statement in constructor's definition

Declaring object of a class having atleast one pure virtual function

Declaring object of a class having all virtual functions

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

**VuAnswers.com**

Answer ( Please select your correct option )

Public, Private

Private, Protected

Protected, Public

Public, Protected, Private

**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

VuAnswers.com

Answer ( Please select your correct option )

Error in first statement

Error in second statement

Error in both statements

No error in both statements

Correct answer solved by hadi  
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Cell : 03228043306

Made by: Waqar Siddhu

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

**VuAnswers.com**

Answer ( Please select your correct option )

This specialization can be used as the common implementation for all Vectors of pointers.

This specialization can then be used as the implementation for all types of classes.

This specialization can then be used for double type pointers.

This specialization should be used for Vectors of int types.

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

VuAnswers.com

Answer ( Please select your correct option )

Reusability

Writability

Maintainability

Efficient memory usage

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

VuAnswers.com

Answer ( Please select your correct option )

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };` ✓

`template <class T> class Vector< T *> { };`

Made by: Waqar Siddhu

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

VuAnswers.com

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

**VuAnswers.com**

Answer ( Please select your correct option )

A standalone function that operates on containers.

A link between member functions and containers.

A friend function of appropriate container classes.

A member function of appropriate container classes.

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

**VuAnswers.com**

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

VuAnswers.com

Answer ( Please select your correct option )

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

A range is often supplied to an algorithm by two \_\_\_\_\_ values.

**VuAnswers.com**

Answer ( Please select your correct option )

- italic
- iteration
- iterator
- container

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is Not an example of error handling techniques?

VuAnswers.com

Answer ( Please select your correct option )

Abnormal Termination

Graceful Termination

Return the illegal value

Returning a value

Correct answer solved by hadi  
email : usmanraj20@gmail.com

Cell : 03228043306

Made by: Waqar Siddhu

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ remain in memory even when all objects of a class have been destroyed.

**VuAnswers.com**

Answer ( Please select your correct option )

Static variables

Instance variable

Primitive variables

Dynamic Variables

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume that a user wants to count, how many objects are created for a particular class, which one will be most suitable to perform this task:

**VuAnswers.com**

Answer ( Please select your correct option )

Const data member

Non static data member

concept

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Static data member

Global data member

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

We ..... change the evaluation precedence of operators through operator overloading.

VuAnswers.com

Answer ( Please select your correct option )

Can

Can not

✓ **doubt**

Only

Just

Made by: Waqar Siddhu

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chosed the best option)

VuAnswers.com

Answer ( Please select your correct option )

Data can be quickly inserted or deleted at any arbitrary location.

Data can be relatively slowly inserted or deleted at any arbitrary location.

Data can not be quickly inserted or deleted at either end.

Data can be relatively slowly inserted or deleted at either end.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

**VuAnswers.com**

Answer ( Please select your correct option )

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

VuAnswers.com

Answer ( Please select your correct option )

Generic element

Heading element

Paragraph element

Nothing will be printed.

Made by: Waqar Siddhu

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

VuAnswers.com

Answer ( Please select your correct option )

1

2

3

As many as necessary. ✓

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

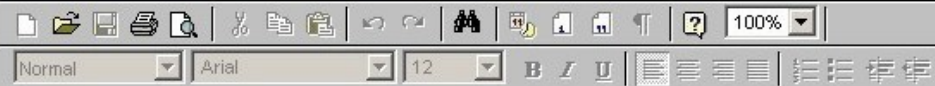
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Give at least one advantage and one disadvantage of templates.

VuAnswers.com

Answer ( Please [click here](#) to Add Answer )



Made by: Waqar Siddhu

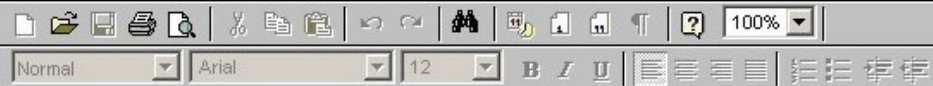
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Person class is an abstract class, which have some specific features. Briefly describe the silent features of abstract class.

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

While overloading stream insertion and extraction operators a programmer can not declare ostream and istream reference as constant. Why?

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

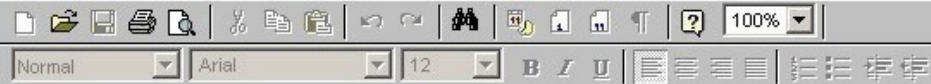
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

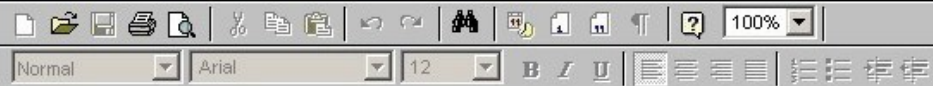
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Describe three properties necessary for a container to implement Generic Algorithms.

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Consider the code given below and answer the questions at the end,

```
class Base
{
private:
    int x;
```

VuAnswers.com

Answer ( Please [click here](#) to Add Answer )



Normal Arial 12 B I U

Made by: Waqar Siddhu

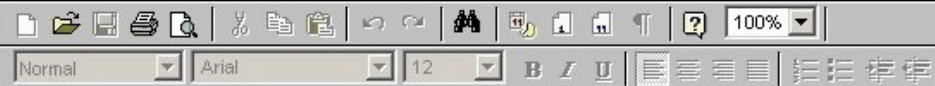
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

**VuAnswers.com**

Answer ( Please [click here](#) to Add Answer )



**Made by: Waqar Siddhu**

Question No : 48 of 52

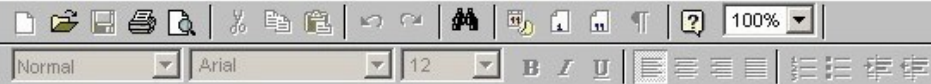
Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management; also describe how we can correct that error/s.

```
class Test{  
  
public:  
int function1(){
```

VuAnswers.com

Answer ( Please [click here](#) to Add Answer )



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

VuAnswers.com

Answer ( Please [click here](#) to Add Answer )



Made by: Waqar Siddhu

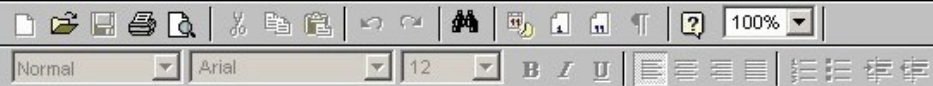
Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

What is virtual function? Explain it with coding example.

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

Question No : 51 of 52

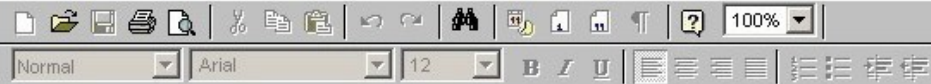
Marks: 5 (Budgeted Time 10 Min)

Briefly give benefits of the use of static variable noOfStudents along with static method by considering following coded example:

```
class Student {  
    static int noOfStudents;
```

**VuAnswers.com**

Answer ( [Please click here to Add Answer](#) )



**Made by: Waqar Siddhu**

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Target function for a call is selected at compile time in case of

Answer ( Please select your correct option )

Static binding

Polymorphism

Encapsulation

Dynamic binding

Start Time: 10:43 PM

120:00

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach if it is required to have more than one functions having exactly same functionality and implemented on different data types?

Answer ( Please select your correct option )

Templates

Overloading

Data hiding

Encapsulation

Start Time: 10:43 PM

120:00



MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

Start Time: 10:43 PM

120:00



MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

A< char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Start Time: 10:43 PM

120:00



4  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

Start Time: 10:43 PM

120:00



MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Virtual functions allow you to

Answer ( Please select your correct option )

- create an array of type pointer-to-base class that can hold pointers to derived classes.
- create functions that can never be accessed.
- group objects of different classes so they can all be accessed by the same function code.
- use the same function call to execute member functions of objects from different classes

Start Time: 10:43 PM

120:00



6  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A pure virtual function is a virtual function that

Answer ( Please select your correct option )

- causes its class to be abstract.
- returns nothing.
- is used in a derived class.
- takes no arguments

Start Time: 10:43 PM

120:00



MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

Start Time: 10:43 PM

120:00



8  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

An abstract class is useful when,

Answer ( Please select your correct option )

- We do not derive any class from it.
- There are multiple paths from one derived class to another.
- We do not want to instantiate its object.
- You want to defer the declaration of the class.

Start Time: 10:43 PM

120:00



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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

general template

partial specialization

complete specialization

ordinary function

Start Time: 10:43 PM

120:00



10 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The main function of scope resolution operator (::) is,

Answer ( Please select your correct option )

- To define an object
- To define a data member
- To link the definition of an identifier to its declaration
- To make a class private

Start Time: 10:43 PM

120:00



11 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

Start Time: 10:43 PM

119:00



12  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following ensures that data and behaviour are tightly coupled within an object?

Answer ( Please select your correct option )

Inheritance

Abstraction

Polymorphism

Encapsulation

Start Time: 10:43 PM

119:00

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is not an object association?

Answer ( Please select your correct option )

- Simple Association
- Inheritance
- Aggregation
- Composition

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119:00

14

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a pointer or reference to an object is created inside a class.

Answer ( Please select your correct option )

- Aggregation
- Composition
- Separation
- Association

Start Time: 10:43 PM

119:00

15

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Friends are used in exactly the same way for \_\_\_\_\_.

Answer ( Please select your correct option )

Template and non template classes

Template classes

Ordinary classes

None template classes

Start Time: 10:43 PM

119:00



16

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

By default all members of a class are,

Answer ( Please select your correct option )

- Public
- Protected
- Private
- Public & protected

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119:00



17  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

- Overloaded
- Copy riding
- Overwriting
- Overriding

Start Time: 10:43 PM

119:00



CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

- can be
- cannot be
- does restrict to be
- never

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119:00



19  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

- specialization
- inheritance
- abstraction
- composition

Start Time: 10:43 PM

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20  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) int iArray[5];
- 2) int \*pArr = iArray;

Answer ( Please select your correct option )

Error in first statement

Error in second statement

Error in both statements

No error in both statements

Start Time: 10:43 PM

119:00



21  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

Start Time: 10:43 PM

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22  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implementation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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23  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

Start Time: 10:43 PM

119:00



24  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

variable

array

function

datatype

Start Time: 10:43 PM

119:00



25

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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119:00



26  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.

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119:00



27  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Using catch blocks in **incorrect order** is \_\_\_\_\_ error.

Answer ( Please select your correct option )

- Syntax
- Logical
- Grammatical
- Runtime

Start Time: 10:43 PM

119:00



29  
MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

The property in which existing class is modified to form a new class is called.....

Answer ( Please select your correct option )

Polymorphism

Inheritance

Encapsulation

Information hiding

Start Time: 10:43 PM

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30 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

“This” pointer returns:

Answer ( Please select your correct option )

- Reference of previous object
- Reference of preceded object
- Reference of current object
- Reference of next object

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119:00



31 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

A real world object can be transformed into programming entity by defining its respective

Answer ( Please select your correct option )

- Class
- Function
- Only states
- Only behaviour

Start Time: 10:43 PM

119:00

32 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

C2+C1 is equivalent to \_\_\_\_\_, when plus operator is overloaded, and C2, C1 are objects.

Answer ( Please select your correct option )

- C1.operator + (C2)
- C1.operator + (C1)
- C2.operator + (C1)
- C2.operator + (C2)

Start Time: 10:43 PM

119:00



33  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ ensure that the correct function is called for an object, regardless of the expression used to make the function call.

Answer ( Please select your correct option )

- Static functions
- Virtual functions
- Friend functions
- Inline functions

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34

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

- Manually
- Normally
- Abnormally
- Routinely

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35 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

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36  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

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37  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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38 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

- providing class growth through natural selection.
- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.

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39 MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 1
- 2
- 3
- As many as necessary.

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40  
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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What will be output when this code will be executed?

1. #include <iostream.h>
2. #include <stdlib.h>
3. using namespace std;
4. template< typename T >

Answer ( Please click here to Add Answer )

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41

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Why we need to use friend functions when overloading insertion and extraction operators?

Answer ( Please [click here](#) to Add Answer )

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42

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Update following code to make it capable of terminating gracefully in case of variable value2 is zero:

```
int Quotients (int value1, int value2 ) {  
    if(value2 == 0){  
        cout << "cannot be zero" << endl;  
    }  
    return value1 / value2;  
}
```

Answer ( Please [click here](#) to Add Answer )

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43

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

State any conflict that may arise due to multiple inheritance.

Answer ( Please [click here](#) to Add Answer )

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44

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( Please [click here](#) to Add Answer )

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**CS304 Object Oriented Programming**

**MC120201353 (MUHAMMAD USMAN)**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

In both virtual inheritance and multiple inheritance, copy/copies of base class are created. Please list down; how many copy/copies of base class are created for:  
Virtual Inheritance  
Multiple inheritance

Answer ( [Please click here to Add Answer](#) )

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Mobile is a good entity for being an object. List down any two characteristics, behavior and one unique ID in this context

Answer ( Please [click here](#) to Add Answer )

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47

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 48 of 52 Marks: 3 (Budgeted Time 6 Min)

What is Graceful Termination method of Error Handling, give its example using C++ code.

Answer ( Please click here to Add Answer )

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48

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a function template named maximum. The function takes two values of the same type as its arguments and returns the larger of the two arguments (or either value if they are equal). Give the function prototype and definition for the template.

Answer ( Please click here to Add Answer )

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49

MADE BY WAQAR SIDDHU

CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,  
1. You have to identify any error/s in this code and describe the reason for error/s.  
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( Please click here to Add Answer )

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50

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for declaring the following

Class:

Course

Attributes:

Name of type String

Answer ( Please [click here](#) to Add Answer )

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51

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
.....  
Name of type String  
Code of type String  
Method:  
getCode()
```

Answer ( Please [click here](#) to Add Answer )

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51

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for the **constructor** of following template Vector class.

```
template< class T >  
class Vector {  
private:  
    T* ptr;
```

Answer ( [Please click here to Add Answer](#) )

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52

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CS304 Object Oriented Programming

MC120201353 (MUHAMMAD USMAN)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
T* ptr;  
int size;  
int index;  
public:  
    Vector(int = 10); // constructor  
};
```

Answer ( Please [click here](#) to Add Answer )

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52

MADE BY WAQAR SIDDHU

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Target function for a call is selected at compile time in case of

Answer ( Please select your correct option )

**VuAnswers.com**

Static binding



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Polymorphism

Encapsulation

Dynamic binding

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach if it is required to have more than one functions having exactly same functionality and implemented on different data types?

Answer ( Please select your correct option )

**VuAnswers.com**

Templates



Overloading

Data hiding

Encapsulation

**Made by: Waqar Siddhu**

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

**VuAnswers.com**

Templates



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Overloading

Overriding

Friend function/class

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class **A** for char type members?

Answer ( Please select your correct option )

**VuAnswers.com**

A< char > obj;



<char>A obj;

A obj<char>;

Obj <char> A;

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Facilitates reuse of class



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Does not facilitate reuse of class

Does not support generic methods

Does not support static members

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Virtual functions allow you to

Answer ( Please select your correct option )

**VuAnswers.com**

- create an array of type pointer-to-base class that can hold pointers to derived classes.
- create functions that can never be accessed.
- group objects of different classes so they can all be accessed by the same function code.
- use the same function call to execute member functions of objects from different classes

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A pure virtual function is a virtual function that

Answer ( Please select your correct option )

**VuAnswers.com**

causes its class to be abstract.



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

returns nothing.

is used in a derived class.

takes no arguments

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

**VuAnswers.com**

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

An abstract class is useful when,

Answer ( Please select your correct option )

**VuAnswers.com**

We do not derive any class from it.

There are multiple paths from one derived class to another.

We do not want to instantiate its object.

You want to defer the declaration of the class.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

**VuAnswers.com**

general template

partial specialization

complete specialization

ordinary function

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The main function of scope resolution operator (::) is,

Answer ( Please select your correct option )

**VuAnswers.com**

To define an object

To define a data member

To link the definition of an identifier to its declaration

To make a class private

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 12 of 52

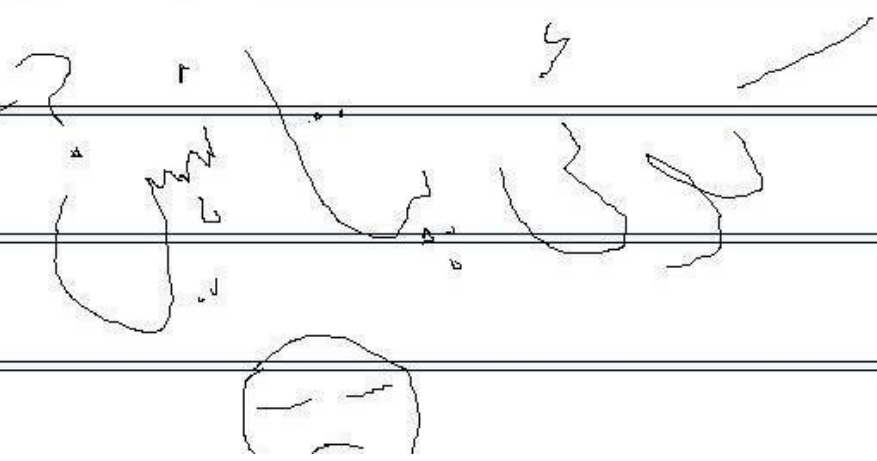
Marks: 1 (Budgeted Time 1 Min)

A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

- Base
- Derived
- Virtual
- Implemented



**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following ensures that data and behaviour are tightly coupled within an object?

Answer ( Please select your correct option )

**VuAnswers.com**

Inheritance

Abstraction

Polymorphism

Encapsulation

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is not an object association?

Answer ( Please select your correct option )

**VuAnswers.com**

Simple Association

Inheritance

Aggregation

Composition

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a pointer or reference to an object is created inside a class.

Answer ( Please select your correct option )

**VuAnswers.com**

Aggregation



Correct answer solved by hadi  
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Cell : 03228043306

Composition

Separation

Association

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Friends are used in exactly the same way for \_\_\_\_\_.

Answer ( Please select your correct option )

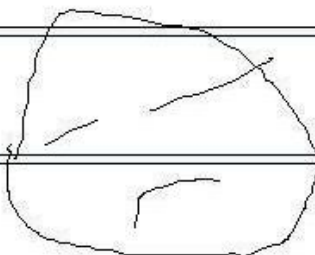
**VuAnswers.com**

Template and non template classes

Template classes

Ordinary classes

None template classes



**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

By default all members of a class are,

Answer ( Please select your correct option )

**VuAnswers.com**

Public

Protected

Private

Public & protected

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Overloaded

Copy riding

Overwriting

Overriding



**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

**VuAnswers.com**

can be



Correct answer solved by hadi  
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cannot be

does restrict to be

never

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

**VuAnswers.com**

specialization

inheritance

abstraction

composition

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

Answer ( Please select your correct option )

**VuAnswers.com**

Error in first statement

Error in second statement

Error in both statements

No error in both statements

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

**VuAnswers.com**

it defines a class template for integers only

it defines a class template for any data type

class templates are not defined in this way

it defines template functions

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //....  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

**VuAnswers.com**

This specialization can be used as the common implementation for all Vectors of pointers.

This specialization can then be used as the implimentation for all types of classes.

This specialization can then be used for double type pointers.

This specialization should be used for Vectors of int types.

4

**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

**VuAnswers.com**

More Memory

Less Memory

Same Memory

Different Memory

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

variable

array

function

datatype

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

**VuAnswers.com**

A standalone function that operates on containers.



Correct answer solved by hadi  
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A link between member functions and containers.

A friend function of appropriate container classes.

A member function of appropriate container classes.

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

**VuAnswers.com**

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.



**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

**VuAnswers.com**

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Using catch blocks in **incorrect order** is \_\_\_\_\_ error.

Answer ( Please select your correct option )

**VuAnswers.com**

Syntax

Logical

Grammatical

Runtime

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**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

The property in which existing class is modified to form a new class is called.....

Answer ( Please select your correct option )

**VuAnswers.com**

Polymorphism

i think :P

Inheritance

Encapsulation

Information hiding

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

"This" pointer returns:

Answer (Please select your correct option )

**VuAnswers.com**

Reference of previous object

Correct answer solved by hadi  
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Reference of preceded object

Reference of current object

Reference of next object

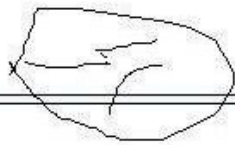
**Made by: Waqar Siddhu**

A real world object can be transformed into programming entity by defining its respective

Answer ( Please select your correct option )

**VuAnswers.com**

- Class
- Function
- Only states
- Only behaviour



i think...  
page 10

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

C2+C1 is equivalent to \_\_\_\_\_, when plus operator is overloaded, and C2, C1 are objects.

Answer ( Please select your correct option )

**VuAnswers.com**

C1.operator + (C2)

C1.operator + (C1)

C2.operator + (C1)

C2.operator + (C2)

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ ensure that the correct function is called for an object, regardless of the expression used to make the function call.

Answer ( Please select your correct option )

**VuAnswers.com**

Static functions

Virtual functions

Friend functions

Inline functions

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Manually

Normally

Abnormally

Routinely

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

**VuAnswers.com**

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

**VuAnswers.com**

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

providing class growth through natural selection.



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

facilitating class libraries.

avoiding the rewriting of code.

providing a useful conceptual framework.

**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

1

2

3

As many as necessary.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 41 of 52

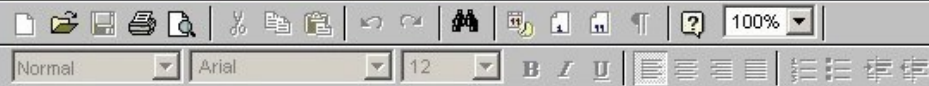
Marks: 2 (Budgeted Time 4 Min)

What will be output when this code will be executed?

1. `#include <iostream.h>`
2. `#include <stdlib.h>`
3. `using namespace std;`
4. `template< typename T >`

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



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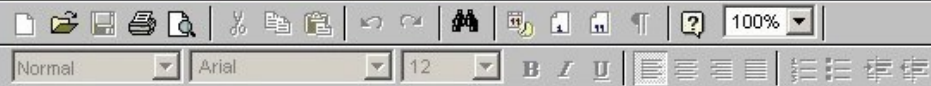
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Why we need to use friend functions when overloading insertion and extraction operators?

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Update following code to make it capable of terminating gracefully in case of variable value2 is zero:

```
int Quotients (int value1, int value2 ) {  
    if(value2 == 0){  
        cout << "cannot be zero" << endl;  
    }  
    return value1 / value2;  
}
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

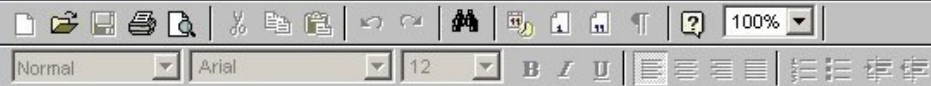
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

State any conflict that may arise due to multiple inheritance.

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



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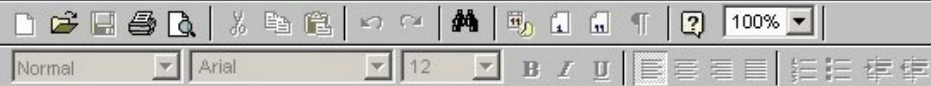
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 46 of 52

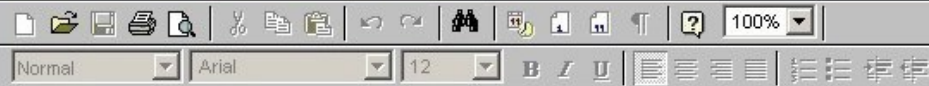
Marks: 3 (Budgeted Time 6 Min)

In both virtual inheritance and multiple inheritance, copy/copies of base class are created. Please list down; how many copy/copies of base class are created for:

- Virtual Inheritance
- Multiple inheritance

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



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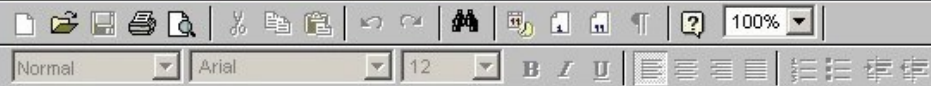
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Mobile is a good entity for being an object. List down any two characteristics, behavior and one unique ID in this context

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



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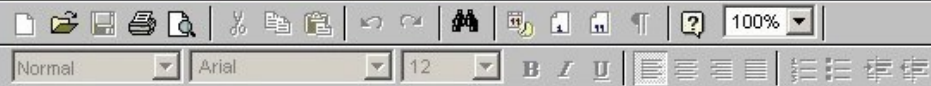
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

What is Graceful Termination method of Error Handling, give its example using C++ code.

Answer ( Please [click here](#) to Add Answer )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a function template named maximum. The function takes two values of the same type as its arguments and returns the larger of the two arguments (or either value if they are equal). Give the function prototype and definition for the template.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for declaring the following

Class:

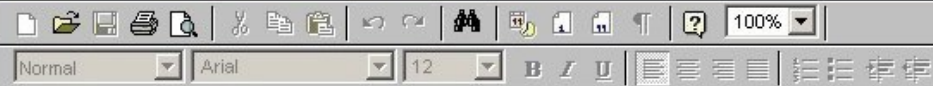
Course

Attributes:

Name of type String

Answer ( [Please click here to Add Answer](#) )

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**Made by: Waqar Siddhu**

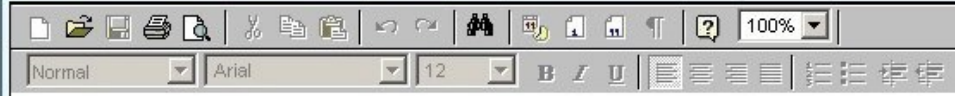
Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Name of type String  
Code of type String  
Method:  
getCode()

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for the **constructor** of following template Vector class.

```
template< class T >
class Vector {
private:
    T* ptr;
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
private:
    T* ptr;
    int size;
    int index;
public:
    Vector(int = 10 ); // constructor
};
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

Start Time: 7:12 PM

113:00

Time Left



1



MADE BY WAQAR SIDDHU

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

A < char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Start Time: 7:12 PM

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Time Left



2



MADE BY WAQAR SIDDHU

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

template <typename T>

typename <template T>

Template Class <ClassName>

Class <Template T>

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Time Left



3



MADE BY WAQAR SIDDHU

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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Time Left

4



**MADE BY WAQAR SIDDHU**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

- general template
- partial specialization
- complete specialization
- ordinary function

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5



**MADE BY WAQAR SIDDHU**

Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one of the following features of OOP is used to derive a class from another?

Answer ( Please select your correct option )

- Encapsulation
- Polymorphism
- Data hiding
- Inheritance

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6



**MADE BY WAQAR SIDDHU**

Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

- organize data.
- pass arguments to objects of classes.
- add features to existing classes without rewriting them.
- improve data-hiding and encapsulation.

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7



**MADE BY WAQAR SIDDHU**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a base class can be replaced by its derived class,

Answer ( Please select your correct option )

Sub-typing

Super-typing

Multiple-typing

Restricted-typing

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8



MADE BY WAQAR SIDDHU

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the way to extract common behaviour and attributes from the given classes and make a separate class of those common behaviours and attributes?

Answer ( Please select your correct option )

- Generalization
- Sub-typing
- Specialization
- Extension

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9



**MADE BY WAQAR SIDDHU**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is true about specialization in case of inheritance?

Answer ( Please select your correct option )

In specialization derived class has some restricted behavior of its own.

In specialization derived class shows some extended behavior of its parent.

In specialization derived class should be abstract.

In specialization, derived class is behaviourally compatible with base class

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10



MADE BY WAQAR SIDDHU

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The function that is automatically called when an object of a class is created is named as \_\_\_\_\_.

Answer ( Please select your correct option )

Constructor

Destructor

Member Functions

Inline Functions

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11



MADE BY WAQAR SIDDHU

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to free the memory space allocated as a result of object declaration?

Answer ( Please select your correct option )

- Constructor
- New operator
- Destructor
- Accessor Function

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12



**MADE BY WAQAR SIDDHU**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

- Noun
- Pronoun
- Verb
- Adverb

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13



**MADE BY WAQAR SIDDHU**

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

- Directly
- Indirectly
- Consecutively
- Simultaneously

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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

- default type
- static type
- abstract type
- reference type

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15



**MADE BY WAQAR SIDDHU**

Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

Answer ( Please select your correct option )

- System
- User
- System and User
- Administrator

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Time Left

16



**MADE BY WAQAR SIDDHU**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

- Private
- Protected
- Non private
- Public

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17



**MADE BY WAQAR SIDDHU**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A non virtual member function in base class is overridden in derived class; if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

- Derived class
- Abstract class
- Base class
- Concrete class

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18



MADE BY WAQAR SIDDHU

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

- Public, Private
- Private, Protected
- Protected, Public
- Public, Protected, Private

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19



**MADE BY WAQAR SIDDHU**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

vector, class

typename, class

template, class

type, class

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20



MADE BY WAQAR SIDDHU

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) int iArray[5];
- 2) int \*pArr = iArray;

Answer ( Please select your correct option )

Error in first statement

Error in second statement

Error in both statements

No error in both statements

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21



MADE BY WAQAR SIDDHU

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

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22



MADE BY WAQAR SIDDHU

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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23



**MADE BY WAQAR SIDDHU**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

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24



MADE BY WAQAR SIDDHU

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 2
- 4

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Time Left

25



**MADE BY WAQAR SIDDHU**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

set,map

sequence,mapping

setmet,multipule

sit,mat

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26



MADE BY WAQAR SIDDHU

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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27



**MADE BY WAQAR SIDDHU**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

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28



**MADE BY WAQAR SIDDHU**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ follow try block to catch the thrown object.

Answer ( Please select your correct option )

- Catch block
- Throw block
- Main block
- Try block

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Time Left

30



**MADE BY WAQAR SIDDHU**

Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

We can initialize the constant data members of a class without using the assignment operator through:

Answer ( Please select your correct option )

- Const data members
- Static data members
- Constructor
- Member initialization list

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31



**MADE BY WAQAR SIDDHU**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

Inheritance

Protected inheritance

Multiple inheritance

Private inheritance

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32



MADE BY WAQAR SIDDHU

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual function is a function that is expected to redefine in \_\_\_\_\_ class.

Answer ( Please select your correct option )

Base class

Parent class

Super class

Derived class

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33



MADE BY WAQAR SIDDHU

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

Manually

Normally

Abnormally

Routinely

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34



MADE BY WAQAR SIDDHU

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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35



**MADE BY WAQAR SIDDHU**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.
- providing class growth through natural selection.

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36



MADE BY WAQAR SIDDHU

Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Abstract
- Virtual

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37



**MADE BY WAQAR SIDDHU**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A template provides a convenient way to make a family of:

Answer ( Please select your correct option )

- variables and data members
- functions and classes
- classes and exceptions
- programs and algorithms

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38



**MADE BY WAQAR SIDDHU**

Question No : 39 of 52 Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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Time Left

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 2
- 3
- As many as necessary.
- 1

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40



**MADE BY WAQAR SIDDHU**

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we set the default values for NON type parameters?

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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41

Navigation icons: Information, Previous, Home, Next, Previous, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

Can we achieve Information Hiding by separating Interface and Implementation of an object? Justify your answer.

Answer ( [Please click here to Add Answer](#) )

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42



**MADE BY WAQAR SIDDHU**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( [Please click here to Add Answer](#) )

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43



**MADE BY WAQAR SIDDHU**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe two key components of STL?

Answer ( Please [click here](#) to Add Answer )

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44

Navigation icons: Information, Previous, Home, Next, Stop, Print

**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( Please [click here](#) to Add Answer )

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45

Navigation controls including an information icon, back, forward, and search buttons.

**MADE BY WAQAR SIDDHU**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Tell the two ways to indicate the compiler that we are overloading post increment operator.

Answer ( [Please click here to Add Answer](#) )

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46



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:12 PM  
**112:00**  
Time Left

47

Navigation icons: Information (i), Previous (left arrow), Next (right arrow), Previous (left arrow), Next (right arrow), and Print.

**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give the general syntax of nested try catch blocks?

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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**112:00**  
Time Left

48



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,  
1. You have to identify any error/s in this code and describe the reason for error/s.  
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

49

Navigation icons: Information, Previous, Home, Next, Previous, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
template< class T >
class B {
    int data;
    public:
    friend void Test<>( T );
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:12 PM  
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Time Left

49



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
template<typename U>
void Test(U u){
    B <int> b1;
    b1.data = 7;
}
int main(int argc, char *argv[])
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The editor area is currently empty.

Start Time: 7:12 PM  
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Time Left

49



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
char i;  
Test(i);  
system("PAUSE");  
return 0;  
}
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:12 PM  
**112:00**  
Time Left

49

Navigation icons: Information, Previous, Home, Next, Stop, Print

**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Complex{  
private:  
double real, img;  
public:
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The editor area is currently empty.

Start Time: 7:12 PM  
**111:00**  
Time Left

50



**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

```
// declaration of overloaded subtraction operator  
  
// declaration of overloaded multiplication operator  
  
};
```

Answer ( [Please click here to Add Answer](#) )



Normal Arial 12 B I U

Start Time: 7:12 PM  
**111:00**  
Time Left

50



**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

// Implementation of overloaded subtraction operator

// Implementation of overloaded multiplication operator

Give the declarations and implementations of each overloaded operator.

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

50



**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Alphabets {  
public:  
virtual void write()=0;  
};
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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**111:00**  
Time Left

51



**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
class XYZ : public Alphabets {  
public:  
void write(){  
cout << "I am in XYZ class!"<<endl;  
}  
};
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The editor area is currently empty.

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**111:00**  
Time Left

51

Navigation controls including an information icon, back, forward, and search buttons.

**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
class Shape {  
public:  
virtual void draw()=0;  
};  
  
class Triangle: public Shape{
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for undo, redo, bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, and a 100% zoom level. The editor area is currently empty.

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Time Left

51



**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
void write(),  
};  
  
class Numbers{  
public:  
virtual void write()=0;
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for undo, redo, bold, italic, underline, list, link, unlink, and a 100% zoom level. The text area below is empty.

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51



**MADE BY WAQAR SIDDHU**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

**VuAnswers.com**

Templates



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Overloading

Overriding

Friend function/class

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class **A** for char type members?

Answer ( Please select your correct option )

**VuAnswers.com**

A< char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

**Made by: Waqar Siddhu**

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

**VuAnswers.com**

template <typename T>

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

typename <template T>

Template Class <ClassName>

Class <Template T>

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

**VuAnswers.com**

a function do not returns by value.

an argument is passed by value.

a function returns by reference.

an argument is passed by reference.

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

**VuAnswers.com**

general template

partial specialization

complete specialization

ordinary function



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following features of OOP is used to derive a class from another?

Answer ( Please select your correct option )

**VuAnswers.com**

Encapsulation

Polymorphism

Data hiding

Inheritance

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

**VuAnswers.com**

- organize data.
- pass arguments to objects of classes.
- add features to existing classes without rewriting them.
- improve data-hiding and encapsulation.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a base class can be replaced by its derived class,

Answer ( Please select your correct option )

**VuAnswers.com**

Sub-typing

Super-typing

Multiple-typing

Restricted-typing

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the way to extract common behaviour and attributes from the given classes and make a separate class of those common behaviours and attributes?

Answer ( Please select your correct option )

**VuAnswers.com**

Generalization

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Sub-typing

Specialization

Extension

**Made by: Waqar Siddhu**

Which is true about specialization in case of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

- In specialization derived class has some restricted behavior of its own. **i think**
- In specialization derived class shows some extended behavior of its parent.
- In specialization derived class should be abstract.
- In specialization, derived class is behaviourally compatible with base class

**Made by: Waqar Siddhu**

The function that is automatically called when an object of a class is created is named as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Constructor

Correct answer solved by hadi  
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Cell : 03228043306

Destructor

Member Functions

Inline Functions

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to free the memory space allocated as a result of object declaration?

Answer ( Please select your correct option )

**VuAnswers.com**

Constructor

New operator

Destructor

Accessor Function

**Made by: Waqar Siddhu**

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

**VuAnswers.com**

Noun



Correct answer solved by hadi  
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Pronoun

Verb

Adverb

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

Directly



Indirectly

Consecutively

Simultaneously

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

default type

static type

abstract type

reference type

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

Answer ( Please select your correct option )

**VuAnswers.com**

System



User



System and User



Administrator



**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

Private



Protected



Non private



Public

**Made by: Waqar Siddhu**

A non virtual member function in base class is overridden in derived class, if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

**VuAnswers.com**

Derived class



Abstract class

Base class

Concrete class

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

**VuAnswers.com**

Public, Private

Private, Protected

Protected, Public

Public, Protected, Private



**Made by: Waqar Siddhu**

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

vector, class

typename, class

template, class

type, class

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

Answer ( Please select your correct option )

**VuAnswers.com**

Error in first statement

Error in second statement

Error in both statements

No error in both statements

Correct answer solved by hadi  
email : [usmanraj20@gmail.com](mailto:usmanraj20@gmail.com)  
Cell : 03228043306

**Made by: Waqar Siddhu**

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

**VuAnswers.com**

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

One



Two



All instances of one date type



All

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

**VuAnswers.com**

More Memory

Less Memory

Same Memory

Different Memory

**Made by: Waqar Siddhu**

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

0  Correct answer solved by hadi  
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Cell : 03228043306

1

2

4

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

set,map

sequence,mapping

setmet,multipule

sit,mat

**Made by: Waqar Siddhu**

A vector is an appropriate container if you

Answer ( Please select your correct option )

**VuAnswers.com**

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

**VuAnswers.com**

Hold objects of class employee.

Store elements in a way that makes them quickly accessible.

Compile c++ programs.

Organize the way objects are stored in memory

**Made by: Waqar Siddhu**

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

**VuAnswers.com**

the last element copied from.

the last element copied to.

the element one past the last element copied from.

the element one past the last element copied to.

**Made by: Waqar Siddhu**

\_\_\_\_\_ follow try block to catch the thrown object.

Answer ( Please select your correct option )

**VuAnswers.com**

Catch block



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Throw block

Main block

Try block

**Made by: Waqar Siddhu**

We can initialize the constant data members of a class without using the assignment operator through:

Answer ( Please select your correct option )

**VuAnswers.com**

Const data members

Static data members

Constructor

Member initialization list

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

**VuAnswers.com**

Inheritance

Protected inheritance

Multiple inheritance

Private inheritance

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual function is a function that is expected to redefine in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base class

Parent class

Super class

Derived class

in my view

**Made by: Waqar Siddhu**

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Manually

Normally

Abnormally

Routinely

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.
- providing class growth through natural selection.

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**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base

Derived

Abstract

Virtual

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A template provides a convenient way to make a family of

Answer ( Please select your correct option )

**VuAnswers.com**

variables and data members

functions and classes

classes and exceptions

programs and algorithms

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

**VuAnswers.com**

data type

meta type

virtual type

pointer type



**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

2

3

As many as necessary.



Correct answer solved by hadi  
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Cell : 03228043306

1

**Made by: Waqar Siddhu**

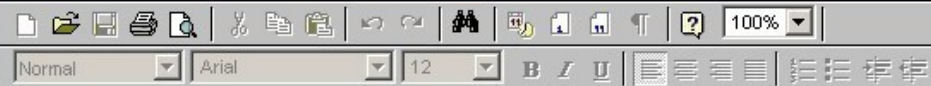
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we set the default values for NON type parameters?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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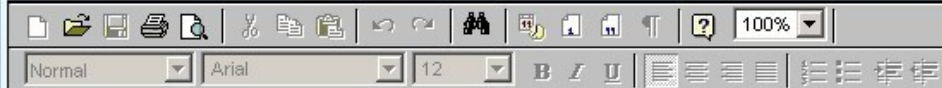
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Can we achieve Information Hiding by separating Interface and Implementation of an object? Justify your answer.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**

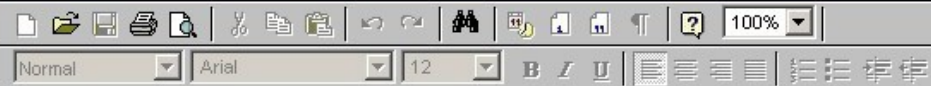


**Made by: Waqar Siddhu**

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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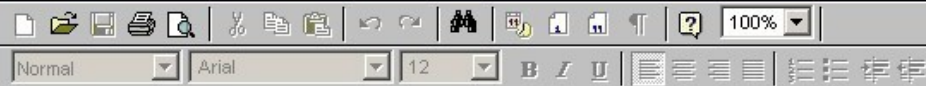
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe two key components of STL?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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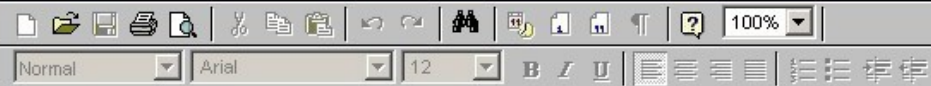
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

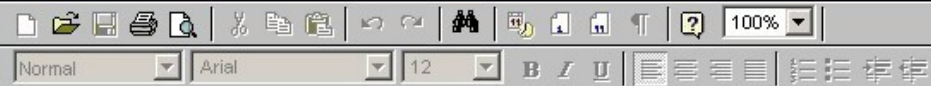
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Tell the two ways to indicate the compiler that we are overloading post increment operator.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

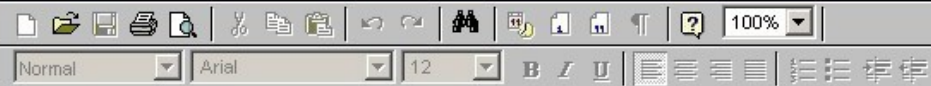
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

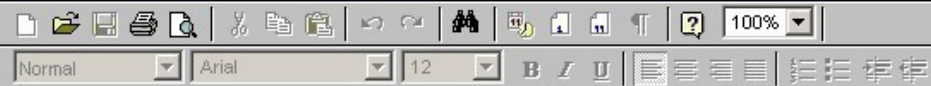
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give the general syntax of nested try catch blocks?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

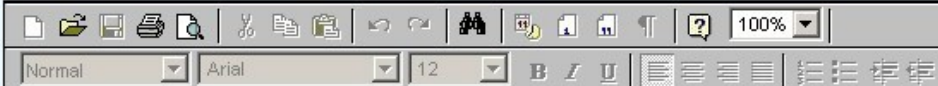
The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 49 of 52

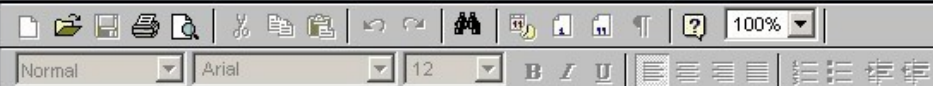
Marks: 5 (Budgeted Time 10 Min)

```
template< class T >

class B {
    int data;
    public:
    friend void Test<>( T );
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

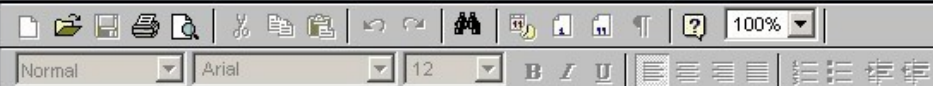
Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
template<typename U>
void Test(U u){
    B < int> b1;
    b1.data = 7;
}
int main(int argc, char *argv[])
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

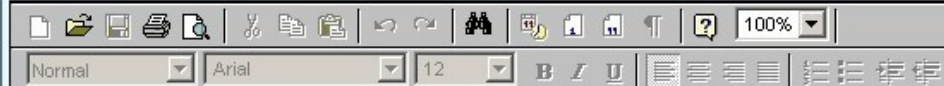
Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
{  
char i;  
Test(i);  
system("PAUSE");  
return 0;  
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Consider the following code segment:

```
class Complex{
private:
double real, img;
public:
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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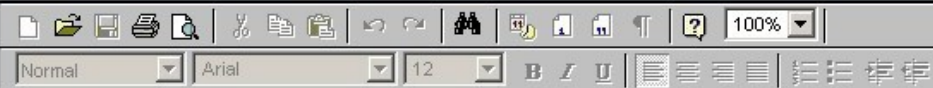
Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

```
// declaration of overloaded subtraction operator  
  
// declaration of overloaded multiplication operator  
  
};
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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// Implementation of overloaded subtraction operator

// Implementation of overloaded multiplication operator

Give the declarations and implementations of each overloaded operator.

Answer ( [Please click here to Add Answer](#) )

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Question No : 51 of 52

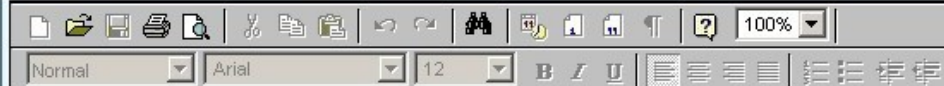
Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Alphabets {  
public:  
virtual void write()=0;  
};
```

Answer ( [Please click here to Add Answer](#) )

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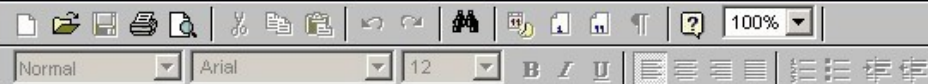
Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
class XYZ : public Alphabets {  
public:  
void write(){  
cout << "I am in XYZ class!"<<endl;  
}  
};
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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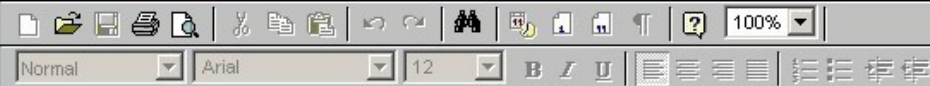
Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
class Shape {  
public:  
virtual void draw()=0;  
};  
  
class Triangle: public Shape{
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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Question No : 51 of 52

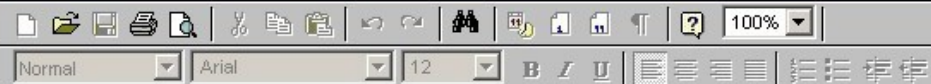
Marks: 5 (Budgeted Time 10 Min)

```
void write(),
};

class Numbers{
public:
virtual void write()=0;
```

Answer ( [Please click here to Add Answer](#) )

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**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

- public members of Derv.
- protected members of Derv.
- private members of Derv.
- protected members of Base.

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2



MADE BY WAQAR SIDDHU

Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

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3

**MADE BY WAQAR SIDDHU**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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4



MADE BY WAQAR SIDDHU

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

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5 [Progress Bar] [Info] [Back] [Forward] [Print]

**MADE BY WAQAR SIDDHU**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

What is a class?

Answer ( Please select your correct option )

- A class is a section of computer memory containing objects.
- A class is a section of the hard disk reserved for object oriented programs
- A class is the part of an object that contains the variables.
- A class is a description of a kind of object.

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6



**MADE BY WAQAR SIDDHU**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

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7



**MADE BY WAQAR SIDDHU**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

What a derived class can add?

Answer ( Please select your correct option )

- New data members only
- New member functions only
- New data members, member functions and constructor/destructors
- New constructors and destructor only

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8 [Navigation icons: Home, Back, Forward, Stop, Refresh, Print]

**MADE BY WAQAR SIDDHU**

Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is directly related to polymorphism?

Answer ( Please select your correct option )

- Const members
- Overriding
- Static members
- Const members functions

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9

**MADE BY WAQAR SIDDHU**

Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Separation of implementation from interface provides the facility to restrict the \_\_\_\_\_ from direct access.

Answer ( Please select your correct option )

- Data member
- Data function
- Class
- Object

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10



**MADE BY WAQAR SIDDHU**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

A non-static member function can be called only after \_\_\_\_\_ the object of that class.

Answer ( Please select your correct option )

- Instantiating
- Executing
- Defining
- Opening

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11



**MADE BY WAQAR SIDDHU**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

What will be the value of the variable data and data2 respectively, If the function below is called 4 times?

```
void func()
{
  static int data = 4;
  int data2 = 4;
```

Answer ( Please select your correct option )

- 8, 5
- 5, 8
- 5, 5
- 7, 5

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12



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Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

Answer ( Please select your correct option )

- Protected members
- Global members
- Static members
- Friends members

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Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

- Overwriting
- Overriding
- Overloaded
- Copy riding

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14



**MADE BY WAQAR SIDDHU**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

- Private
- Protected
- Non private
- Public

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15



MADE BY WAQAR SIDDHU

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The mechanism of selecting function at run time according to the nature of calling object is called,

Answer ( Please select your correct option )

late binding

static binding

virtual binding

hybrid binding

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16



MADE BY WAQAR SIDDHU

Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

A non virtual member function in base class is overridden in derived class, if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

- Derived class
- Abstract class
- Base class
- Concrete class

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

template < class class\_name >

template < class\_name data\_type >

template < class T >

class template < class\_name >

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18

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

The following function template returns the maximum of \_\_\_\_ values:

```
template <typename T>
inline T const& max (T const& a, T const& b)
{
    // if a < b then use b else use a
}
```

Answer ( Please select your correct option )

- 1
- 2
- 3
- 4

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) int iArray[5];
- 2) int \*pArr = iArray;

Answer ( Please select your correct option )

Error in first statement

Error in second statement

Error in both statements

No error in both statements

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20



MADE BY WAQAR SIDDHU

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

- Reusability
- Writability
- Maintainability
- Efficient memory usage

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21



**MADE BY WAQAR SIDDHU**

Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

- `template <typename T> class Vector ();`
- `template <typename T> class Vector<T*> ();`
- `template<> class Vector <char*> ();`
- `template <class T> class Vector< T *> ();`

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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23



MADE BY WAQAR SIDDHU

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

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24



MADE BY WAQAR SIDDHU

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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25



MADE BY WAQAR SIDDHU

Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

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28



MADE BY WAQAR SIDDHU

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

A range is often supplied to an algorithm by two \_\_\_\_\_ values.

Answer ( Please select your correct option )

- italic
- iteration
- iterator
- container

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**MADE BY WAQAR SIDDHU**

Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

We must release dynamic memory allocated in try block in \_\_\_\_\_

Answer ( Please select your correct option )

- In constructor
- Catch block
- In main function block
- No need to release memory

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**MADE BY WAQAR SIDDHU**

Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

Hiding details of an object from the other parts of a program is done by which principle of OOP?

Answer ( Please select your correct option )

- Obfuscation
- Data Mining
- Compilation
- Encapsulation

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Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

Suppose there is an object of type **Person**, which of the following can be considered as one of its attributes.

Answer ( Please select your correct option )

- Name
- Age
- Work()
- Both Name and Age

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose there is an object of type **Person**, which of the following can be considered as one of its attributes.

Answer ( Please select your correct option )

- Name
- Age
- Work()
- Both Name and Age

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System is busy! Please wait..

32



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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

The relationship between "Speaker" and "Mobile" is:

Answer ( Please select your correct option )

- Aggregation
- Composition
- Inheritance
- One way association

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33



MADE BY WAQAR SIDDHU

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

The relationship between "SIM" and "Mobile" is:

Answer ( Please select your correct option )

- Aggregation
- Composition
- Inheritance
- Two way association

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34



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Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chose the best option)

Answer ( Please select your correct option )

- Data can be quickly inserted or deleted at any arbitrary location.
- Data can be relatively slowly inserted or deleted at any arbitrary location.
- Data can not be quickly inserted or deleted at either end.
- Data can be relatively slowly inserted or deleted at either end.

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35



**MADE BY WAQAR SIDDHU**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

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36



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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

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37



MADE BY WAQAR SIDDHU

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one is a logical abstract base class for a class called "footballPlayer"?

Answer ( Please select your correct option )

Ground

Sport

Athlete

Team.

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38



MADE BY WAQAR SIDDHU

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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39



**MADE BY WAQAR SIDDHU**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 2
- 3
- As many as necessary.
- 1

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40



MADE BY WAQAR SIDDHU

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What are the non - type parameters for templates?

Answer ( Please [click here](#) to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

What is the difference between Simple Model and Object Oriented Model?

Answer ( [Please click here to Add Answer](#) )

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Navigation icons: Information, Previous, Home, Next, Stop.

**MADE BY WAQAR SIDDHU**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

Answer ( Please [click here](#) to Add Answer )

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44

Navigation icons: Information, Previous, Home, Next, Stop, Print

**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

What will be output after executing following lines of code, (suppose there is no error and code will be executed correctly), justify your answer as well,

```
class Student{
    static int noOfStudents;
    int rollNo;
public:
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
Student::Student(){
    noOfStudents++;
}
Student::~Student(){
    noOfStudents--;
}
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
static int getTotalStudent(){
    return noOfStudents;
}
};
int Student::noOfStudents = 0;
int main()
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
Student obj1,obj2,  
{  
    Student obj3;  
}  
cout<<Student::getTotalStudent();
```

Answer ( Please [click here](#) to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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**MADE BY WAQAR SIDDHU**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Identify and correct the syntax error(s) in the given code snippet?

```
template<classname T>
class Template_class {

private:
T data;
```

Answer ( Please [click here](#) to Add Answer )

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47



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
//...  
Public:  
//...  
void input();  
};
```

Answer ( [Please click here to Add Answer](#) )

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47



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

```
template< class T >
void Template_class::input( ) {
cin>>data;
}

void main()
```

Answer ( [Please click here to Add Answer](#) )

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47



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

```
void main()
{
  Template_class <int>obj;
  obj.input();
}
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management; also describe how we can correct that error/s.

```
class Test{  
public:  
int function1(){
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:22 PM  
**117:00**  
Time Left

48



**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
try{  
    FILE *fileptr = fopen("filename.txt","w");  
    throw exception();  
    fclose(fileptr);  
    return 0;  
}
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:22 PM  
**117:00**  
Time Left

48



**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
        }  
    }  
    catch(Exception e){  
        ...  
    }  
};
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:22 PM  
**117:00**  
Time Left

48



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

- The code given below has one template function as a friend of a template class,
1. You have to identify any error/s in this code and describe the reason for error/s.
  2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:22 PM  
**116:00**  
Time Left

49



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

```
template< class T >

class B {
    int data;
    public:
    friend void Test<>( T );
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 7:22 PM  
**116:00**  
Time Left

49



**MADE BY WAQAR SIDDHU**

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

**VuAnswers.com**

public members of Derv.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

protected members of Derv.

private members of Derv.

protected members of Base.

**Made by: Waqar Siddhu**

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

**VuAnswers.com**

a function do not returns by value.

an argument is passed by value.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

a function returns by reference.

an argument is passed by reference.

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

**VuAnswers.com**

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

What is a class?

Answer ( Please select your correct option )

**VuAnswers.com**

A class is a section of computer memory containing objects.

A class is a section of the hard disk reserved for object oriented programs

A class is the part of an object that contains the variables.

A class is a description of a kind of object.



**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

- Base
- Derived
- Virtual
- Implemented

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

What a derived class can add?

Answer ( Please select your correct option )

**VuAnswers.com**

- New data members only
- New member functions only
- New data members, member functions and constructor/destructors
- New constructors and destructor only

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is directly related to polymorphism?

Answer ( Please select your correct option )

**VuAnswers.com**

Const members

Overriding

Static members

Const members functions

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Separation of implementation from interface provides the facility to restrict the \_\_\_\_\_ from direct access.

Answer ( Please select your correct option )

**VuAnswers.com**

Data member

Data function

Class

Object

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

A non-static member function can be called only after \_\_\_\_\_ the object of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

Instantiating



Correct answer solved by hadi  
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Executing

Defining

Opening

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

What will be the value of the variable data and data2 respectively, If the function below is called 4 times?

```
void func()
{
    static int data = 4;
    int data2 = 4;
```

Answer ( Please select your correct option )

**VuAnswers.com**

8, 5

5, 8

5, 5

7, 5

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

Answer ( Please select your correct option )

**VuAnswers.com**

Protected members

Global members

Static members

Friends members

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Overwriting

Overriding

Overloaded

Copy riding

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

Private



Protected



Non private



Public



**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The mechanism of selecting function at run time according to the nature of calling object is called,

Answer ( Please select your correct option )

**VuAnswers.com**

late binding

static binding

virtual binding

hybrid binding

**Made by: Waqar Siddhu**

A non virtual member function in base class is overridden in derived class; if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

**VuAnswers.com**

Derived class



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Abstract class

Base class



Concrete class

**Made by: Waqar Siddhu**

When we write a class template the first line must be:

Answer ( Please select your correct option )

**VuAnswers.com**

- `template < class class_name >`
- `template < class_name data_type >`
- `template < class T >`
- `class template < class_name >`

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

The following function template returns the maximum of \_\_\_\_ values:

```
template <typename T>
inline T const& max (T const& a, T const& b)
{
    // if a < b then use b else use a
}
```

Answer ( Please select your correct option )

**VuAnswers.com**

1

2

3

4

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

Answer ( Please select your correct option )

**VuAnswers.com**

Error in first statement

Error in second statement

Error in both statements

No error in both statements

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

**VuAnswers.com**

Reusability

Writability

Maintainability

Efficient memory usage

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

**VuAnswers.com**

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_instance/s of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

- One
- Two
- All instances of one date type
- All

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

**VuAnswers.com**

More Memory

Less Memory

Same Memory

Different Memory

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

**VuAnswers.com**

A standalone function that operates on containers.



A link between member functions and containers.

A friend function of appropriate container classes.

A member function of appropriate container classes.

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

**VuAnswers.com**

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

**VuAnswers.com**

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

**Made by: Waqar Siddhu**

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

**VuAnswers.com**

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

A range is often supplied to an algorithm by two \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

italic



iteration



iterator



container



**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

We must release dynamic memory allocated in try block in \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

In constructor

Catch block

In main function block

No need to release memory

**Made by: Waqar Siddhu**

Hiding details of an object from the other parts of a program is done by which principle of OOP?

Answer ( Please select your correct option )

**VuAnswers.com**

Obfuscation

Data Mining

Compilation

Encapsulation



Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose there is an object of type **Person**, which of the following can be considered as one of its attributes.

Answer ( Please select your correct option )

**VuAnswers.com**

- Name
- Age
- Work()
- Both Name and Age

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose there is an object of type **Person**, which of the following can be considered as one of its attributes.

Answer ( Please select your correct option )

**VuAnswers.com**

- Name
- Age
- Work()
- Both Name and Age

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

The relationship between "Speaker" and "Mobile" is:

Answer ( Please select your correct option )

**VuAnswers.com**

Aggregation

Composition

Inheritance

One way association

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

The relationship between "SIM" and "Mobile" is:

Answer ( Please select your correct option )

**VuAnswers.com**

Aggregation



Composition

Inheritance

Two way association

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chose the best option)

Answer ( Please select your correct option )

**VuAnswers.com**

Data can be quickly inserted or deleted at any arbitrary location.

Data can be relatively slowly inserted or deleted at any arbitrary location.

Data can not be quickly inserted or deleted at either end.

Data can be relatively slowly inserted or deleted at either end.

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

**VuAnswers.com**

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

**VuAnswers.com**

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one is a logical abstract base class for a class called "footballPlayer"?

Answer ( Please select your correct option )

**VuAnswers.com**

Ground

Sport

Athlete

Team

**Made by: Waqar Siddhu**

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

**VuAnswers.com**

- data type
- meta type
- virtual type
- pointer type

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

2

3

As many as necessary.



Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

1

**Made by: Waqar Siddhu**

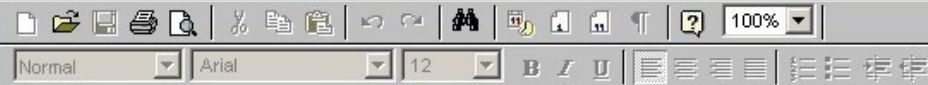
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What are the non - type parameters for templates?

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



Made by: Waqar Siddhu

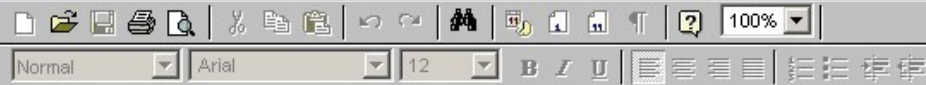
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

What is the difference between Simple Model and Object Oriented Model?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

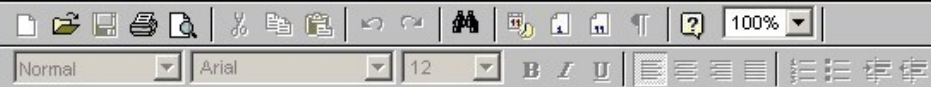
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

What will be output after executing following lines of code, (suppose there is no error and code will be executed correctly), justify your answer as well,

```
class Student{
    static int noOfStudents;
    int rollNo;
public:
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



Normal Arial 12 B I U

**Made by: Waqar Siddhu**

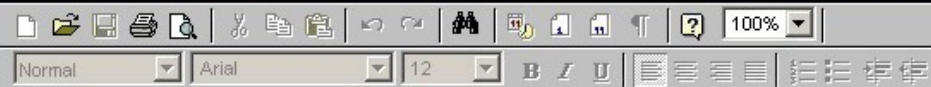
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
Student::Student(){
    noOfStudents++;
}
Student::~~Student(){
    noOfStudents--;
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
static int getTotalStudent(){
    return noOfStudents;
};
int Student::noOfStudents = 0;
int main(){
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
Student obj1,obj2,  
{  
    Student obj3;  
}  
cout<<Student::getTotalStudent();
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

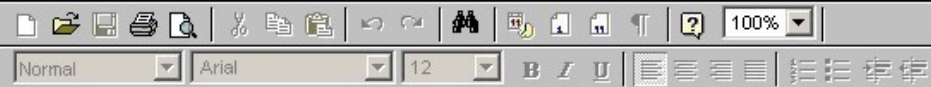
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Identify and correct the syntax error(s) in the given code snippet?

```
template<classname T>  
class Template_class {
```

```
private:
```

```
T data;
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



Normal Arial 12 B I U

**Made by: Waqar Siddhu**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
//...  
Public:  
//...  
void input();  
};
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 47 of 52

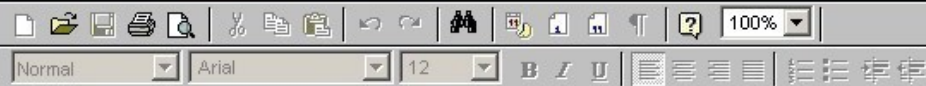
Marks: 3 (Budgeted Time 6 Min)

```
template< class T >
void Template_class::input( ) {
cin>>data;
}

void main()
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

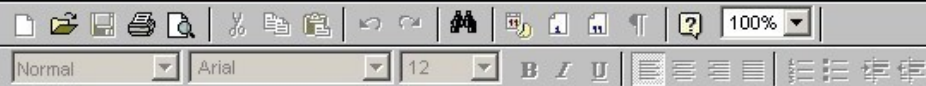
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
void main()
{
Template_class <int>obj;
obj.input();
}
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 48 of 52

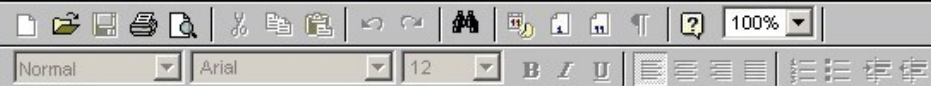
Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management; also describe how we can correct that error/s.

```
class Test{  
  
public:  
int function1(){
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

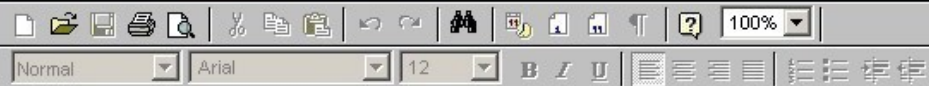
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
try{
    FILE *fileptr = fopen("filename.txt","w");
    throw exception();
    fclose(fileptr);
    return 0;
}
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
        }  
        catch(Exception e){  
        }  
    }  
};
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com

Normal Arial 12 B I U 100%

Normal Arial 12 B I U

Made by: Waqar Siddhu

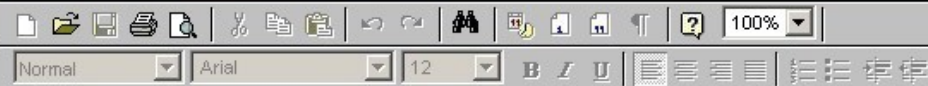
The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 49 of 52

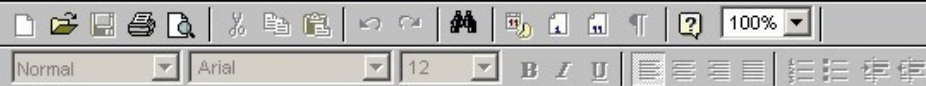
Marks: 5 (Budgeted Time 10 Min)

```
template< class T >

class B {
    int data;
    public:
    friend void Test<>( T );
```

Answer ( Please [click here](#) to Add Answer )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

Templates

Overloading

Overriding

Friend function/class

Start Time: 9:33 PM

118:00

Time Left



Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

A< char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

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2

MADE BY WAQAR SIDDHU

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

template <typename T>

typename <template T>

Template Class <ClassName>

Class <Template T>

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3

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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4



**MADE BY WAQAR SIDDHU**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program; the first priority is given to,

Answer ( Please select your correct option )

- general template
- partial specialization
- complete specialization
- ordinary function

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5



MADE BY WAQAR SIDDHU

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

general template

partial specialization

complete specialization

ordinary function

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System is busy! Please wait..

5

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

- organize data.
- pass arguments to objects of classes.
- add features to existing classes without rewriting them.
- improve data-hiding and encapsulation.

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7

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a base class can be replaced by its derived class,

Answer ( Please select your correct option )

Sub-typing

Super-typing

Multiple-typing

Restricted-typing

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8

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the way to extract common behaviour and attributes from the given classes and make a separate class of those common behaviours and attributes?

Answer ( Please select your correct option )

- Generalization
- Sub-typing
- Specialization
- Extension

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9



**MADE BY WAQAR SIDDHU**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is true about specialization in case of inheritance?

Answer ( Please select your correct option )

- In specialization derived class has some restricted behavior of its own.
- In specialization derived class shows some extended behavior of its parent.
- In specialization derived class should be abstract.
- In specialization, derived class is behaviourally compatible with base class

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10

MADE BY WAQAR SIDDHU

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The function that is automatically called when an object of a class is created is named as \_\_\_\_\_.

Answer ( Please select your correct option )

Constructor

Destructor

Member Functions

Inline Functions

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11

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to free the memory space allocated as a result of object declaration?

Answer ( Please select your correct option )

- Constructor
- New operator
- Destructor
- Accessor Function

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12

MADE BY WAQAR SIDDHU

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

- Noun
- Pronoun
- Verb
- Adverb

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13



MADE BY WAQAR SIDDHU

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

- Directly
- Indirectly
- Consecutively
- Simultaneously

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14



**MADE BY WAQAR SIDDHU**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

default type

static type

abstract type

reference type

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15

MADE BY WAQAR SIDDHU



Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

Answer ( Please select your correct option )

- System
- User
- System and User
- Administrator

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16



**MADE BY WAQAR SIDDHU**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

- Private
- Protected
- Non private
- Public

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17

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A non virtual member function in base class is overridden in derived class; if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

- Derived class
- Abstract class
- Base class
- Concrete class

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18



**MADE BY WAQAR SIDDHU**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

- Public, Private
- Private, Protected
- Protected, Public
- Public, Protected, Private

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

- vector, class
- typename, class
- template, class
- type, class

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20

MADE BY WAQAR SIDDHU

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) int iArray[5];
- 2) int \*pArr = iArray;

Answer ( Please select your correct option )

- Error in first statement
- Error in second statement
- Error in both statements
- No error in both statements

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21



MADE BY WAQAR SIDDHU

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

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22

MADE BY WAQAR SIDDHU

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

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24

MADE BY WAQAR SIDDHU

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 2
- 4

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**MADE BY WAQAR SIDDHU**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

- set,map
- sequence,mapping
- setmet,multipule
- sit,mat

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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27

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ follow try block to catch the thrown object.

Answer ( Please select your correct option )

- Catch block
- Throw block
- Main block
- Try block

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**MADE BY WAQAR SIDDHU**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

We can initialize the constant data members of a class without using the assignment operator through:

Answer ( Please select your correct option )

- Const data members
- Static data members
- Constructor
- Member initialization list

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31



MADE BY WAQAR SIDDHU

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

Inheritance

Protected inheritance

Multiple inheritance

Private inheritance

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32



MADE BY WAQAR SIDDHU

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual function is a function that is expected to redefine in \_\_\_\_\_ class.

Answer ( Please select your correct option )

Base class

Parent class

Super class

Derived class

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MADE BY WAQAR SIDDHU

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

- Manually
- Normally
- Abnormally
- Routinely

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34



MADE BY WAQAR SIDDHU

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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35



MADE BY WAQAR SIDDHU

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.
- providing class growth through natural selection.

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36



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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Abstract
- Virtual

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37



**MADE BY WAQAR SIDDHU**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A template provides a convenient way to make a family of:

Answer ( Please select your correct option )

- variables and data members
- functions and classes
- classes and exceptions
- programs and algorithms

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MADE BY WAQAR SIDDHU

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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MADE BY WAQAR SIDDHU

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 2
- 3
- As many as necessary.
- 1

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**MADE BY WAQAR SIDDHU**

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we set the default values for NON type parameters?

Answer ( Please [click here](#) to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Can we achieve Information Hiding by separating Interface and Implementation of an object? Justify your answer.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe two key components of STL?

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Tell the two ways to indicate the compiler that we are overloading post increment operator.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( Please click here to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give the general syntax of nested try catch blocks?

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,  
1. You have to identify any error/s in this code and describe the reason for error/s.  
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( Please [click here](#) to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Complex{  
private:  
double real, img;  
public:
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Alphabets {  
public:  
virtual void write()=0;  
};
```

Answer ( Please [click here](#) to Add Answer )

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Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

What is the output produced by the following program?

```
#include<iostream.h>

void sample_function(double test) throw (int);

int main()
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
(  
try  
{  
    cout <<"Trying \n";  
    sample_function(98.6);  
    cout <<"Trying after call \n";  
}
```

Answer ( Please [click here](#) to Add Answer )

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
        cout << "Catching\n";  
    }  
    catch(int)  
    {  
        cout << "Catching\n";  
    }  
}
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
cout << "End program.\n";  
return 0;  
}  
void sample_function(double test) throw (int)  
{  
    cout << "Starting sample_function.\n";
```

Answer ( Please [click here](#) to Add Answer )

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Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

```
void sample_function(double test) throw (int)
{
    cout << "Starting sample_function.\n";
    if(test < 100)
        throw 42;
}
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

**VuAnswers.com**

Templates

Overloading

Overriding

Friend function/class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

VuAnswers.com

A < char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

**VuAnswers.com**

template <typename T>

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

typename <template T>

Template Class <ClassName>

Class <Template T>

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when



Answer ( Please select your correct option )

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- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program; the first priority is given to,

Answer ( Please select your correct option )

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- general template
- partial specialization
- complete specialization
- ordinary function

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Question No : 5 of 52

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Considering the resolution order in which compiler search for functions in a program; the first priority is given to,

Answer ( Please select your correct option )

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general template

partial specialization

complete specialization

ordinary function

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Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

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- organize data.
- pass arguments to objects of classes.
- add features to existing classes without rewriting them.
- improve data-hiding and encapsulation.

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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, a base class can be replaced by its derived class,

Answer ( Please select your correct option )

Sub-typing

Super-typing

Multiple-typing

Restricted-typing

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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the way to extract common behaviour and attributes from the given classes and make a separate class of those common behaviours and attributes?

Answer (Please select your correct option )

**VuAnswers.com**

Generalization

Sub-typing

Specialization

Extension

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is true about specialization in case of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

- In specialization derived class has some restricted behavior of its own.
- In specialization derived class shows some extended behavior of its parent.
- In specialization derived class should be abstract.
- In specialization, derived class is behaviourally compatible with base class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The function that is automatically called when an object of a class is created is named as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Constructor

Destructor

Member Functions

Inline Functions

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to free the memory space allocated as a result of object declaration?

Answer ( Please select your correct option )

**VuAnswers.com**

Constructor

New operator

Destructor

Accessor Function

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----

Answer (Please select your correct option )

**VuAnswers.com**

Noun

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Pronoun

Verb

Adverb

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

Directly

Indirectly

Consecutively

Simultaneously

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

default type

static type

abstract type

reference type

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The operations of copy constructor must define by:

Answer ( Please select your correct option )

**VuAnswers.com**

- System
- User
- System and User
- Administrator

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

All the \_\_\_\_\_ members of base class can be accessed from the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

- Private
- Protected
- Non private
- Public

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A non virtual member function in base class is overridden in derived class; if that non virtual function is called through base class pointer to derived class object, then the \_\_\_\_\_ version is used.

Answer ( Please select your correct option )

**VuAnswers.com**

Derived class

Abstract class

Base class

Concrete class

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

**VuAnswers.com**

Public, Private

Private, Protected

Protected, Public

Public, Protected, Private

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

vector, class

typename, class

template, class

type, class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

Answer ( Please select your correct option )

**VuAnswers.com**

Error in first statement

Error in second statement

Error in both statements

No error in both statements

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

VuAnswers.com

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

Made by: Waqar Siddhu

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_instance/s of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

- One
- Two
- All instances of one date type
- All

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

**VuAnswers.com**

More Memory

Less Memory

Same Memory

Different Memory

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

0

Correct answer solved by hadi  
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Cell : 03228043306

1

2

4

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

set,map

sequence,mapping

setmet,multipule

sit,mat

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

**VuAnswers.com**

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

**VuAnswers.com**

Hold objects of class employee.

Store elements in a way that makes them quickly accessible.

Compile c++ programs.

Organize the way objects are stored in memory

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

VuAnswers.com

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ follow try block to catch the thrown object.

Answer ( Please select your correct option )

**VuAnswers.com**

Catch block

Throw block

Main block

Try block

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

We can initialize the constant data members of a class without using the assignment operator through:

Answer ( Please select your correct option )

**VuAnswers.com**

Const data members

Static data members

Constructor

Member initialization list

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

**VuAnswers.com**

- Inheritance
- Protected inheritance
- Multiple inheritance
- Private inheritance

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual function is a function that is expected to redefine in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base class

Parent class

Super class

Derived class

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

In abnormal termination our program is terminated \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Manually

Normally

Abnormally

Routinely

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

VuAnswers.com

- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.
- providing class growth through natural selection.

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base

Derived

Abstract

Virtual

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A template provides a convenient way to make a family of:

Answer ( Please select your correct option )

**VuAnswers.com**

variables and data members

functions and classes

classes and exceptions

programs and algorithms

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

**VuAnswers.com**

data type

meta type

virtual type

pointer type

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

2

3

As many as necessary.

1

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

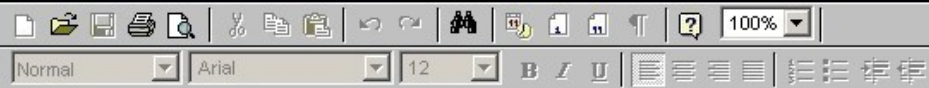
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we set the default values for NON type parameters?

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Can we achieve Information Hiding by separating Interface and Implementation of an object? Justify your answer.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



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**Made by: Waqar Siddhu**

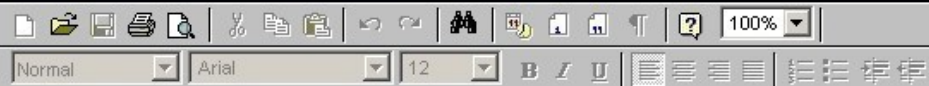
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

In which situations we should use **Operator Overloading** and in which situations we should use **Templates**.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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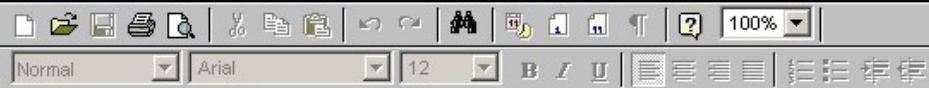
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe two key components of STL?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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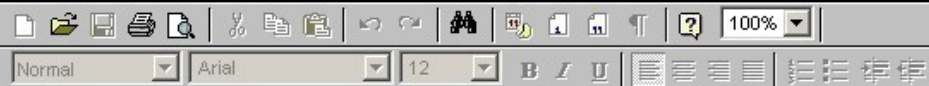
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

If we declare a function as friend of a template class will it be a friend for a particular data type or for all data types of that class.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

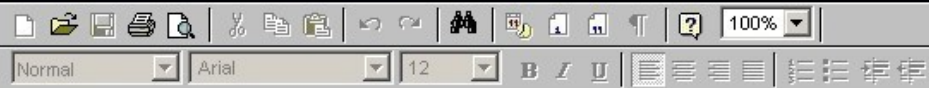
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Tell the two ways to indicate the compiler that we are overloading post increment operator.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

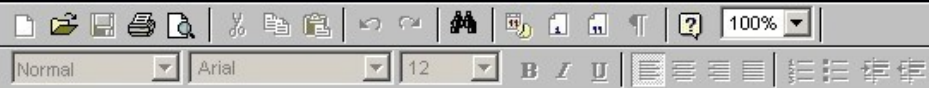
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation do we need to implement virtual inheritance? Explain with the help of an example.

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

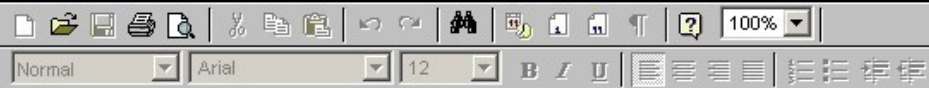
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give the general syntax of nested try catch blocks?

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Complex{  
private:  
double real, img;  
public:
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code segment:

```
class Alphabets {  
public:  
virtual void write()=0;  
};
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

What is the output produced by the following program?

```
#include<iostream.h>
```

```
void sample_function(double test) throw (int);
```

```
int main()
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



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**Made by: Waqar Siddhu**

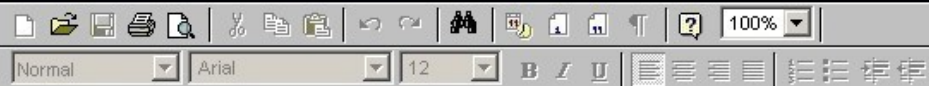
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
(  
    try  
    (  
        cout << "Trying \n";  
        sample_function(98.6);  
        cout << "Trying after call \n";  
    )  
)
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
        cout << "Flying after catch\n";  
    }  
    catch(int)  
    {  
        cout << "Catching\n";  
    }  
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com

Normal Arial 12 B I U 100%

Normal Arial 12 B I U

Made by: Waqar Siddhu

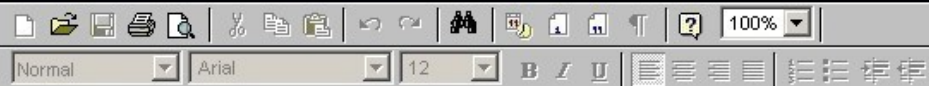
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
    cout << "End program.\n";  
    return 0;  
}  
void sample_function(double test) throw (int)  
{  
    cout << "Starting sample_function.\n";
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
void sample_function(double test) throw (int)
{
    cout << "Starting sample_function.\n";
    if(test < 100)
        throw 42;
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

Start Time: 1:12 PM  
**119:00**  
Time Left

Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

Start Time: 1:12 PM  
**119:00**  
Time Left

2



**MADE BY WAQAR SIDDHU**

Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Templates automatically create different versions of a function,

Answer ( Please select your correct option )

- depending on user input.
- At compile time.
- Depending on static time.
- Depending on function arguments.

Start Time: 1:12 PM  
**119:00**  
Time Left

3

**MADE BY WAQAR SIDDHU**

Question No : 4 of 52 Marks: 1 (Budgeted Time 1 Min)

When the base class and the derived class have a member function with the same name, you must be more specific which function you want to call (using \_\_\_\_\_).

Answer ( Please select your correct option )

- scope resolution operator
- dot operator
- null operator
- Operator overloading

Start Time: 1:12 PM  
**119:00**  
Time Left

4



**MADE BY WAQAR SIDDHU**

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

- general template
- partial specialization
- complete specialization
- ordinary function

Start Time: 1:12 PM  
**119:00**  
Time Left

5

**MADE BY WAQAR SIDDHU**

Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

When is a constructor called?

Answer ( Please select your correct option )

- Each time the constructor identifier is used in a program statement
- During the instantiation of a new object
- During the construction of a new class
- At the beginning of any program execution

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**119:00**  
Time Left

6 

**MADE BY WAQAR SIDDHU**

Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

```
Consider the code below,  
class Fred {  
public:  
Fred();  
...  
};
```

Answer ( Please select your correct option )

- Fred a[10]; calls the default constructor 09 times  
 Fred\* p = new Fred[10]; calls the default constructor 10 times
- Produce an error
- Fred a[10]; calls the default constructor 11 times  
 Fred\* p = new Fred[10]; calls the default constructor 11 times
- Fred a[10]; calls the default constructor 10 times  
 Fred\* p = new Fred[10]; calls the default constructor 10 times

Start Time: 1:12 PM  
**119:00**  
Time Left

7

**MADE BY WAQAR SIDDHU**

100% zoom

Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

If **Rollno** is a **const** data member of a class **student** then which definition is correct for the member function **show ()**

Answer ( Please select your correct option )

- `int show() const { return Rollno; }`
- `void show() const { return Rollno; }`
- `int show() const { return Rollno + 50; }`
- `int show(num) const { Rollno = num; }`

Start Time: 1:12 PM  
**119:00**  
Time Left

8 [Progress Bar] [Info] [Back] [Next] [Print]

**MADE BY WAQAR SIDDHU**

Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following can be the instance of class Vehicle?

Answer ( Please select your correct option )

- Car, Computer, Desk
- Ahmad, Bicycle, Truck
- Computer, Truck, Ahmad
- Car, Bicycle, Truck

Start Time: 1:12 PM  
**119:00**  
Time Left

9



**MADE BY WAQAR SIDDHU**

Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Which is true about sub-typing in case of inheritance?

Answer ( Please select your correct option )

- In sub-typing derived class shows some extended behavior of its parent.
- In sub-typing derived class shows some restricted behavior of its parent class.
- In sub-typing derived class should be abstract.
- Sub-typing has no relation with inheritance

Start Time: 1:12 PM  
**119:00**  
Time Left

10



**MADE BY WAQAR SIDDHU**

Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

A C++ class is similar to a \_\_\_\_\_.

Answer ( Please select your correct option )

- Structure
- Header File
- Library File
- Function

Start Time: 1:12 PM  
**119:00**  
Time Left

11



**MADE BY WAQAR SIDDHU**

Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

What will be the value of the variable data and data2 respectively, If the function below is called 4 times?

```
void func()
{
  static int data = 4;
  int data2 = 4;
```

Answer ( Please select your correct option )

- 8, 5
- 5, 8
- 5, 5
- 7, 5

Start Time: 1:12 PM  
**119:00**  
Time Left

Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

Answer ( Please select your correct option )

- Protected members
- Global members
- Static members
- Friends members

Start Time: 1:12 PM  
**119:00**  
Time Left

13



**MADE BY WAQAR SIDDHU**

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

- Overloaded
- Copy riding
- Overwriting
- Overriding

Start Time: 1:12 PM  
**119:00**  
Time Left

14



**MADE BY WAQAR SIDDHU**

Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

- can be
- cannot be
- does restrict to be
- never

Start Time: 1:12 PM  
**119:00**  
Time Left

15



**MADE BY WAQAR SIDDHU**

Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

- specialization
- inheritance
- abstraction
- composition

Start Time: 1:12 PM  
**119:00**  
Time Left

16



**MADE BY WAQAR SIDDHU**

Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

The mechanism of selecting function at run time according to the nature of calling object is called,

Answer ( Please select your correct option )

- late binding
- static binding
- virtual binding
- hybrid binding

Start Time: 1:12 PM  
**119:00**  
Time Left

17



**MADE BY WAQAR SIDDHU**

Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following causes run time binding?

Answer ( Please select your correct option )

- Declaring object of abstract class
- Declaring pointer of abstract class
- Declaring overridden methods as non-virtual
- Declaring object of derived class

Start Time: 1:12 PM  
**119:00**  
Time Left

18



**MADE BY WAQAR SIDDHU**

Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

- Public, Private
- Private, Protected
- Protected, Public
- Public, Protected, Private

Start Time: 1:12 PM  
**119:00**  
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19



**MADE BY WAQAR SIDDHU**

Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:  
1) int iArray[5];  
2) int \*pArr = iArray;

Answer ( Please select your correct option )

- Error in first statement
- Error in second statement
- Error in both statements
- No error in both statements

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20



**MADE BY WAQAR SIDDHU**

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

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21



**MADE BY WAQAR SIDDHU**

Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //....  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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**MADE BY WAQAR SIDDHU**

Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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23



**MADE BY WAQAR SIDDHU**

Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

- variable
- array
- function
- datatype

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24



**MADE BY WAQAR SIDDHU**

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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25



**MADE BY WAQAR SIDDHU**

Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

- 11 for v and 3 for w.
- 0 for v and 0 for w.
- 0 for v and 3 for w.
- 3 for v and 11 for w.

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26



**MADE BY WAQAR SIDDHU**

Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

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27



**MADE BY WAQAR SIDDHU**

Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

Using catch blocks in **incorrect order** is \_\_\_\_\_ error.

Answer ( Please select your correct option )

- Syntax
- Logical
- Grammatical
- Runtime

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28



**MADE BY WAQAR SIDDHU**

Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

We must release dynamic memory allocated in try block in \_\_\_\_\_

Answer ( Please select your correct option )

- Catch block
- In main function block
- No need to release memory
- In constructor

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29



**MADE BY WAQAR SIDDHU**

Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

In inheritance hierarchy which one is on the top?

Answer ( Please select your correct option )

- Subtyping
- Specialization
- Extension
- Generalization

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30



**MADE BY WAQAR SIDDHU**

Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

- Inheritance
- Protected inheritance
- Multiple inheritance
- Private inheritance

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31



**MADE BY WAQAR SIDDHU**

Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ operator will take only one operand.

Answer ( Please select your correct option )

- Int
- This
- Const
- New

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32



**MADE BY WAQAR SIDDHU**

Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

A class that declares or inherits a virtual function is called a \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Inherited
- Protected
- Polymorphic
- Friend

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33



**MADE BY WAQAR SIDDHU**

Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> vvec;  
After adding the statement,  
vvec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of vvec and will initialize it with 21.
- It will add an element to the center of vvec and will reinitialize it with 21.
- It will delete an element to the end (the back) of vvec and will reinitialize it with 21.
- It will add an element to the end (the back) of vvec and initialize it with 21.

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34



**MADE BY WAQAR SIDDHU**

Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

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35



**MADE BY WAQAR SIDDHU**

Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

- providing class growth through natural selection.
- facilitating class libraries.
- avoiding the rewriting of code.
- providing a useful conceptual framework.

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36



**MADE BY WAQAR SIDDHU**

Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

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**MADE BY WAQAR SIDDHU**

Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Abstract
- Virtual

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38



**MADE BY WAQAR SIDDHU**

Question No : 39 of 52 Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- pointer type
- meta type
- virtual type
- data type

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39



**MADE BY WAQAR SIDDHU**

Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 1
- 2
- 3
- As many as necessary.

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40



**MADE BY WAQAR SIDDHU**

Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

What are the non - type parameters for templates?

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

Define Catch Handler in brief.

Answer ( Please click here to Add Answer )

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42

Navigation controls including an information icon, back, forward, and search buttons.

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Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

How static and dynamic binding is used in the case of virtual functions? Justify your answer as well.

Answer ( [Please click here to Add Answer](#) )

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43

Navigation icons: Information (i), Previous (left arrow), Next (right arrow), and Print (printer icon).

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Question No : 44 of 52 Marks: 2 (Budgeted Time 4 Min)

Can we use initialization list to set the value of any base class public data member? Justify your answer in either case as well.

Answer ( [Please click here to Add Answer](#) )

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44

Navigation icons: Information, Previous, Home, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 45 of 52 Marks: 3 (Budgeted Time 6 Min)

Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( [Please click here to Add Answer](#) )

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45

Navigation icons: Information, Previous, Home, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Give c++ code to overload assignment operator for string class.

Answer ( [Please click here to Add Answer](#) )

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46

Navigation icons: Information, Previous, Home, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Consider the code below,

```
template< typename T >  
class T1 {  
    public:  
    T i;
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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47 i ⏪ ⏩ ⏴ ⏵

**MADE BY WAQAR SIDDHU**

Question No : 48 of 52 Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management; also describe how we can correct that error/s.

```
class Test{  
public:  
int function1(){
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level.

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48

Navigation icons: Information, Previous, Home, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Write c++ code to overload **subscript[]** operator for **String** class.

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level.

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Navigation controls including a question number '49', a progress slider, and buttons for Home, Previous, Next, and End.

**MADE BY WAQAR SIDDHU**

Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

Consider the code below,

```
#include <iostream>
#include <stdlib.h>
using namespace std;
class Shape{
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Navigation controls including a page number '50', a progress slider, and buttons for Home, Previous, Next, and End.

**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

There are some errors in the code given below, you have to

1. Indicate the line no. with error/s
2. Give the reason for error/s
3. Correct the error/s.

1. #include <iostream>

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The editor area is currently empty.

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51



**MADE BY WAQAR SIDDHU**

Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

Answer ( Please click here to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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52 | [Info] [Previous] [Next] [Print]

**MADE BY WAQAR SIDDHU**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

**VuAnswers.com**

Templates

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Overloading

Overriding

Friend function/class

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Facilitates reuse of class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Does not facilitate reuse of class

Does not support generic methods

Does not support static members

**Made by: Waqar Siddhu**

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Templates automatically create different versions of a function,

Answer ( Please select your correct option )

**VuAnswers.com**

- depending on user input.
- At compile time.
- Depending on static time.
- Depending on function arguments.

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

When the base class and the derived class have a member function with the same name, you must be more specific which function you want to call (using \_\_\_\_\_).

Answer ( Please select your correct option )

**VuAnswers.com**

scope resolution operator

dot operator

null operator

Operator overloading

email : [usmanraj20@gmail.com](mailto:usmanraj20@gmail.com)

Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program; the first priority is given to,

Answer ( Please select your correct option )

**VuAnswers.com**

general template

partial specialization

complete specialization

ordinary function

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

When is a constructor called?

Answer ( Please select your correct option )

**VuAnswers.com**

- Each time the constructor identifier is used in a program statement
- During the instantiation of a new object
- During the construction of a new class
- At the beginning of any program execution

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the code below,

```
class Fred {  
public:  
Fred();  
...  
};
```

Answer ( Please select your correct option )

VuAnswers.com

- Fred a[10]; calls the default constructor 09 times
- Fred\* p = new Fred[10]; calls the default constructor 10 times
- Produce an error
- Fred a[10]; calls the default constructor 11 times
- Fred\* p = new Fred[10]; calls the default constructor 11 times
- Fred a[10]; calls the default constructor 10 times
- Fred\* p = new Fred[10]; calls the default constructor 10 times

Correct answer solved by hadi  
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Cell : 03228043306

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

If **Rollno** is a **const** data member of a class **student** then which definition is correct for the member function **show ()**

Answer ( Please select your correct option )

[VuAnswers.com](http://VuAnswers.com)

- `int show() const { return Rollno; }`
- `void show() const { return Rollno; }`
- `int show() const { return Rollno + 50; }`
- `int show(num) const { Rollno = num; }`

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following can be the instance of class Vehicle?

Answer ( Please select your correct option )

**VuAnswers.com**

Car, Computer, Desk

Ahmad, Bicycle, Truck

Computer, Truck, Ahmad

Car, Bicycle, Truck

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is true about sub-typing in case of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

In sub-typing derived class shows some extended behavior of its parent.

In sub-typing derived class shows some restricted behavior of its parent class.

In sub-typing derived class should be abstract.

Sub-typing has no relation with inheritance

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

A C++ class is similar to a \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Structure

Correct answer solved by hadi  
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Cell : 03228043306

Header File

Library File

Function

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

What will be the value of the variable data and data2 respectively, If the function below is called 4 times?

```
void func()
{
    static int data = 4;
    int data2 = 4;
```

Answer ( Please select your correct option )

**VuAnswers.com**

8, 5

5, 8

5, 5

7, 5

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which members are lies somewhere between public and private members?

Answer ( Please select your correct option )

**VuAnswers.com**

Protected members

Correct answer solved by hadi  
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Cell : 03228043306

Global members

Static members

Friends members

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Overloaded

Copy riding

Overwriting

Overriding

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

**VuAnswers.com**

can be

cannot be

does restrict to be

never

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

**VuAnswers.com**

specialization

inheritance

abstraction

composition

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

The mechanism of selecting function at run time according to the nature of calling object is called,

Answer ( Please select your correct option )

**VuAnswers.com**

late binding

static binding

virtual binding

hybrid binding

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following causes run time binding?

Answer ( Please select your correct option )

**VuAnswers.com**

Declaring object of abstract class

Declaring pointer of abstract class

Declaring overridden methods as non-virtual

Declaring object of derived class

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Multiple inheritance can be of type

Answer ( Please select your correct option )

**VuAnswers.com**

Public, Private

Private, Protected

Protected, Public

Public, Protected, Private

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following statements:

- 1) `int iArray[5];`
- 2) `int *pArr = iArray;`

Answer ( Please select your correct option )

**VuAnswers.com**

Error in first statement

Error in second statement

Error in both statements

No error in both statements

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

**VuAnswers.com**

it defines a class template for integers only

it defines a class template for any data type

class templates are not defined in this way

it defines template functions

Correct answer solved by hadi  
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**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*> {  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

**VuAnswers.com**

This specialization can be used as the common implementation for all Vectors of pointers.

This specialization can then be used as the implimentation for all types of classes.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

This specialization can then be used for double type pointers.

This specialization should be used for Vectors of int types.

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

One



Two



All instances of one date type



All



**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

variable

array

function

datatype

Correct answer solved by hadi  
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Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

**VuAnswers.com**

A standalone function that operates on containers.

A link between member functions and containers.

A friend function of appropriate container classes.

A member function of appropriate container classes.

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

**VuAnswers.com**

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

Answer ( Please select your correct option )

**VuAnswers.com**

- the last element copied from.
- the last element copied to.
- the element one past the last element copied from.
- the element one past the last element copied to.

**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Using catch blocks in **incorrect order** is \_\_\_\_\_ error.

Answer ( Please select your correct option )

**VuAnswers.com**

Syntax

Logical

Grammatical

Runtime

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

We must release dynamic memory allocated in try block in \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Catch block

In main function block

No need to release memory

In constructor

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

In inheritance hierarchy which one is on the top?

Answer ( Please select your correct option )

**VuAnswers.com**

Subtyping

Specialization

Extension

Generalization

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to reuse the characteristics of more than one parent class, we must use:

Answer ( Please select your correct option )

**VuAnswers.com**

Inheritance

Protected inheritance

Multiple inheritance

Private inheritance

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ operator will take only one operand.

Answer ( Please select your correct option )

**VuAnswers.com**

Int

This

Const

New

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A class that declares or inherits a virtual function is called a \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Inherited

Protected

Polymorphic

Friend

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statment,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

**VuAnswers.com**

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

**VuAnswers.com**

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is not the Advantage of inheritance?

Answer ( Please select your correct option )

**VuAnswers.com**

providing class growth through natural selection.

facilitating class libraries.

avoiding the rewriting of code.

providing a useful conceptual framework.

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

**VuAnswers.com**

Generic element

Heading element

Paragraph element

Nothing will be printed.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A pointer to a base class can point to object of a \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base

Derived

Abstract

Virtual

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

**VuAnswers.com**

pointer type

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

meta type

virtual type

data type

**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

1

2

3

As many as necessary.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

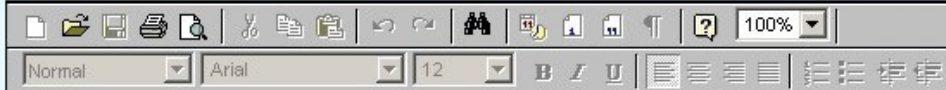
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What are the non - type parameters for templates?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

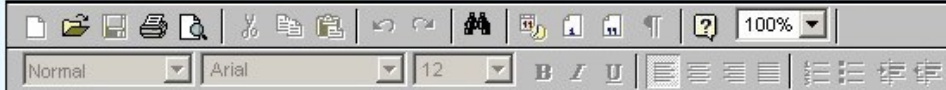
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Define Catch Handler in berief.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

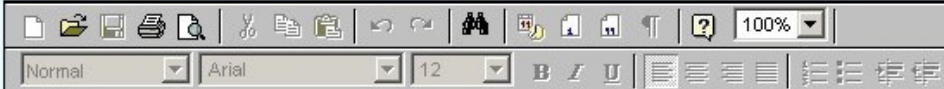
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

How static and dynamic binding is used in the case of virtual functions? Justify your answer as well.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Can we use initialization list to set the value of any base class public data member? Justify your answer in either case as well.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

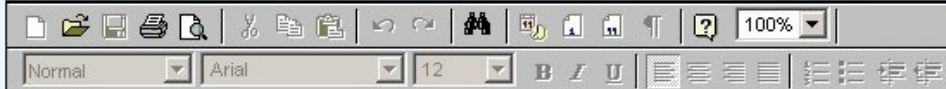
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

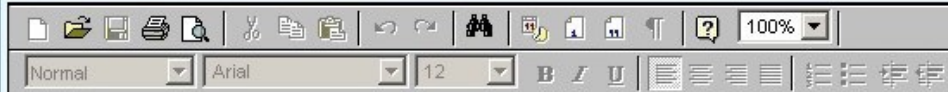
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Give c++ code to overload assignment operator for string class.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 47 of 52

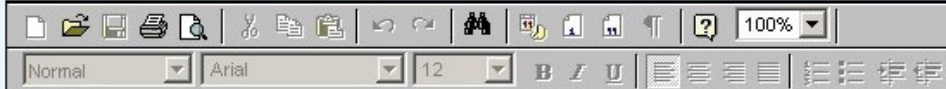
Marks: 3 (Budgeted Time 6 Min)

Consider the code below,

```
template< typename T >  
class T1 {  
    public:  
    T i;
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 48 of 52

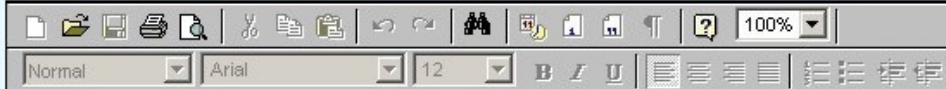
Marks: 3 (Budgeted Time 6 Min)

Tell the logical error/s in the code given below with reference to resource management, also describe how we can correct that error/s.

```
class Test{  
  
public:  
int function1(){
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

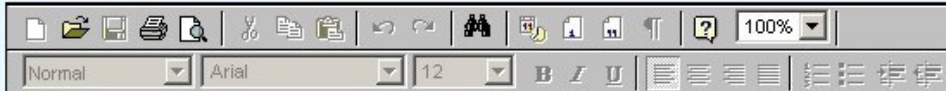
Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Write c++ code to overload **subscript[]** operator for **String class**.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



*Made by: Waqar Siddhu*

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the code below,

```
#include <iostream>
#include <stdlib.h>
using namespace std;
class Shape{
```

Answer ( [Please click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

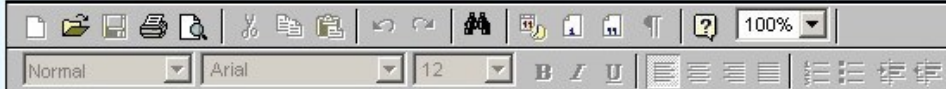
There are some errors in the code given below, you have to

1. Indicate the line no. with error/s
2. Give the reason for error/s
3. Correct the error/s.

1. #include <iostream>

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

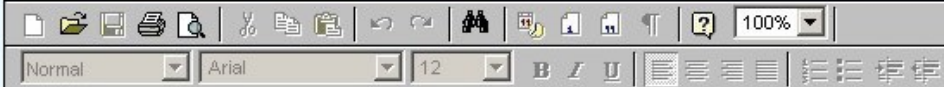
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

A< char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Start Time: 10:33 PM

116:00

Time Left



1

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class `Derv` that is privately derived from class `Base`. An object of class `Derv` located in `main()` can access

Answer ( Please select your correct option )

- public members of `Derv`.
- protected members of `Derv`.
- private members of `Derv`.
- protected members of `Base`.

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Time Left

2



MADE BY WAQAR SIDDHU

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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**116:00**  
Time Left

3



MADE BY WAQAR SIDDHU

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

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**116:00**  
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4



MADE BY WAQAR SIDDHU

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

general template

partial specialization

complete specialization

ordinary function

Start Time: 10:33 PM

116:00

Time Left



5



MADE BY WAQAR SIDDHU

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

- make general classes into more specific classes.
- pass arguments to objects of classes.
- improve data hiding and encapsulation.
- providing class growth through natural selection.

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Time Left



6



MADE BY WAQAR SIDDHU

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

When the base class can not be replaced by its derived class then it is called,

Answer ( Please select your correct option )

- Sub-typing
- Super-typing
- Generalization
- Specialization

Start Time: 10:33 PM  
**116:00**  
Time Left

7



**MADE BY WAQAR SIDDHU**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A private member or variable is not accessible to:

Answer ( Please select your correct option )

- Base class
- Derived class
- Abstract class
- virtual class

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Time Left

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Classes like TwoDimensionalShape and ThreeDimensionalShape would normally be \_\_\_\_\_, while classes like Sphere and Cube would normally be \_\_\_\_\_.

Answer ( Please select your correct option )

- Concrete, abstract
- Concrete, static
- Abstract, base
- Abstract, concrete

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9



MADE BY WAQAR SIDDHU

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

When a class is derived from a class with a pure virtual function and no definition is supplied for that pure virtual function in the derived class, that derived class is also \_\_\_\_\_.

Answer ( Please select your correct option )

- An abstract class
- A static class
- A concrete class
- A Base class

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Time Left

10

MADE BY WAQAR SIDDHU

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Using encapsulation we can achieve,

Answer ( Please select your correct option )

- Information hiding, least interdependencies, implementation independence
- Least interdependencies, information hiding, inheritance
- Implementation independence, polymorphism, information hiding
- Inheritance, least interdependencies, information hiding

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Time Left



11



MADE BY WAQAR SIDDHU

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Keeping in view the principle of abstraction, which information can be stored by an organization for any particular employee.

Answer ( Please select your correct option )

- Name, Relatives, Age
- Name, Past experience, Hobbies in spare time
- Name, Past experience, Age
- Name, Hobbies in spare time, Relatives

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Time Left

12

MADE BY WAQAR SIDDHU

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

The \_\_\_\_\_ keyword tells the compiler to substitute the code within the function definition for every instance of a function call.

Answer ( Please select your correct option )

- Virtual
- Inline
- Instance
- Static

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13

MADE BY WAQAR SIDDHU

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to free the memory occupied by the object, we use -----.

Answer ( Please select your correct option )

Constructor

Destructor

Shallow Copy

Deep Copy

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Time Left



14



MADE BY WAQAR SIDDHU

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

Directly

Indirectly

Consecutively

Simultaneously

Start Time: 10:33 PM

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15



MADE BY WAQAR SIDDHU

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

- Overwriting
- Overriding
- Overloaded
- Copy riding

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16

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

- specialization
- inheritance
- abstraction
- composition

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17



MADE BY WAQAR SIDDHU

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following terms must relate to polymorphism?

Answer ( Please select your correct option )

Static allocation

Static typing

Dynamic binding

Dynamic allocation

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18



MADE BY WAQAR SIDDHU

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

template < class class\_name >

template < class\_name data\_type >

template < class T >

class template < class\_name >

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

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Time Left



20



MADE BY WAQAR SIDDHU

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>(  
    void** p;  
    //...  
    void*& operator[] ((int i);  
);
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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Time Left



21



MADE BY WAQAR SIDDHU

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

Reusability

Writability

Maintainability

Efficient memory usage

Start Time: 10:33 PM

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Time Left



22



MADE BY WAQAR SIDDHU

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

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116:00

Time Left



23



MADE BY WAQAR SIDDHU

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

More Memory

Less Memory

Same Memory

Different Memory

Start Time: 10:33 PM

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Time Left



24



MADE BY WAQAR SIDDHU

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 2
- 4

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Time Left

25



MADE BY WAQAR SIDDHU

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following functions returns the total number of elements in a vector.

Answer ( Please select your correct option )

length();

size();

ele();

veclen();

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Time Left



26



MADE BY WAQAR SIDDHU

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

set,map

sequence,mapping

setmet,multipule

sit,mat

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Time Left



27



MADE BY WAQAR SIDDHU

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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28

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

Answer ( Please select your correct option )

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

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116:00

Time Left



29



MADE BY WAQAR SIDDHU

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

"This" pointer returns:

Answer ( Please select your correct option )

Reference of previous object

Reference of preceeded object

Reference of current object

Reference of next object

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Time Left



30



MADE BY WAQAR SIDDHU

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not the main purpose of abstraction?

Answer ( Please select your correct option )

- Only shows the concerned details of the object
- Show all the details of the object
- Increases the complexity
- Removing unwanted details in some particular context

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31



Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

- Only one per constructor.
- As many as the application asks for.
- Only one per class.
- One object per variable.

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Time Left



32



MADE BY WAQAR SIDDHU

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ operator will take only one operand.

Answer ( Please select your correct option )

- New
- Const
- Int
- This

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Time Left

33



**MADE BY WAQAR SIDDHU**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ ensure that the correct function is called for an object, regardless of the expression used to make the function call.

Answer ( Please select your correct option )

- Static functions
- Virtual functions
- Friend functions
- Inline functions

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Time Left

34



MADE BY WAQAR SIDDHU

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chose the best option)

Answer ( Please select your correct option )

Data can be quickly inserted or deleted at any arbitrary location.

Data can be relatively slowly inserted or deleted at any arbitrary location.

Data can not be quickly inserted or deleted at either end.

Data can be relatively slowly inserted or deleted at either end.

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Time Left



35



MADE BY WAQAR SIDDHU

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> vvec;  
After adding the statement,  
vvec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of vvec and will initialize it with 21.
- It will add an element to the center of vvec and will reinitialize it with 21.
- It will delete an element to the end (the back) of vvec and will reinitialize it with 21.
- It will add an element to the end (the back) of vvec and initialize it with 21.

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Time Left



36



MADE BY WAQAR SIDDHU

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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Time Left



37



MADE BY WAQAR SIDDHU

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one is a logical abstract base class for a class called "footballPlayer"?

Answer ( Please select your correct option )

- Ground
- Sport
- Athlete
- Team.

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Time Left

38



MADE BY WAQAR SIDDHU

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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Time Left

39



MADE BY WAQAR SIDDHU

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

- 2
- 3
- As many as necessary.
- 1

Start Time: 10:33 PM

116:00  
Time Left

40



MADE BY WAQAR SIDDHU

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe the way to declare a template function as a friend of any class.

Answer ( Please click here to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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**116:00**  
Time Left

41



**MADE BY WAQAR SIDDHU**

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Illustrate any two properties of a constructor.

Answer ( Please click here to Add Answer )

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**116:00**  
Time Left

42



**MADE BY WAQAR SIDDHU**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

State any conflict that may arise due to multiple inheritance.

Answer ( Please click here to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

43



**MADE BY WAQAR SIDDHU**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

44



**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Consider the following information:

Class name= Doctor

Attributes= Id, name, designation, salary

Methods=checkup, prescribe, eat, walk

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

45



**MADE BY WAQAR SIDDHU**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

In both virtual inheritance and multiple inheritance, copy/copies of base class are created. Please list down; how many copy/copies of base class are created for:

- Virtual Inheritance
- Multiple inheritance

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

46



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Give C++ code of template function to print the values of any type of array.  
*Hint:* This function will take two parameters one will be array pointer and other will be size of the array.

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 10:33 PM  
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Time Left

47



**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Write C++ code that uses try catch block in member initialization list of any class.

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

48



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,  
1. You have to identify any error/s in this code and describe the reason for error/s.  
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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49

**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program which consists of a class named **Zakat** and consists of two data members **OwnerName** and **Totalamount**, the class should also consists of three constructors i.e. Default constructor , one argument constructor and two argument constructor.  
The class should further consists of a member function named **Cal\_zakat ()** which calculate the zakat.  
It should be keep in mind that the zakat will be calculated only if the **Totalamount** is greater than or equal to 20,000.  
In main program define three object of this class for respective constructors and also display the zakat for each object.

Answer ( Please click here to Add Answer )

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Time Left

50 [Progress Bar] [Info] [Previous] [Next] [Print] [Help]

MADE BY WAQAR SIDDHU

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code:

```
// publication class and derived classes
#include <iostream>
#include <string>
using namespace std;
```

Answer ( Please click here to Add Answer )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

51



**MADE BY WAQAR SIDDHU**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for the **overloaded subscript operator** of following template Vector class.

```
template< class T >  
class Vector {  
private:  
    T* ptr;
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

Start Time: 10:33 PM  
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Time Left

52

Navigation icons: Information, Previous, Play, Next, Print

**MADE BY WAQAR SIDDHU**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
T* ptr;  
int size;  
int index;  
public:  
    T& operator [] (int); // overloaded subscript operator  
};
```

Answer ( [Please click here to Add Answer](#) )

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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Time Left

52



**MADE BY WAQAR SIDDHU**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

VuAnswers.com

A < char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Made by: Waqar Siddhu

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

**VuAnswers.com**

public members of Derv.

protected members of Derv.

private members of Derv.

protected members of Base.

**Made by: Waqar Siddhu**

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

**VuAnswers.com**

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

**VuAnswers.com**

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Considering the resolution order in which compiler search for functions in a program, the first priority is given to,

Answer ( Please select your correct option )

**VuAnswers.com**

general template

partial specialization

complete specialization

ordinary function

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Inheritance is a way to

Answer ( Please select your correct option )

**VuAnswers.com**

- make general classes into more specific classes.
- pass arguments to objects of classes.
- improve data hiding and encapsulation.
- providing class growth through natural selection.
- 

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

When the base class can not be replaced by its derived class then it is called,

Answer ( Please select your correct option )

**VuAnswers.com**

Sub-typing

Super-typing

Generalization

Specialization

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A private member or variable is not accessible to:

Answer ( Please select your correct option )

**VuAnswers.com**

Base class

Derived class

Abstract class

virtual class

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Classes like TwoDimensionalShape and ThreeDimensionalShape would normally be \_\_\_\_\_, while classes like Sphere and Cube would normally be \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

Concrete, abstract

Concrete, static

Abstract, base

Abstract, concrete

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

When a class is derived from a class with a pure virtual function and no definition is supplied for that pure virtual function in the derived class, that derived class is also \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

An abstract class

A static class

A concrete class

A Base class

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Using encapsulation we can achieve,

Answer ( Please select your correct option )

**VuAnswers.com**

- Information hiding, least interdependencies, implementation independence
- Least interdependencies, information hiding, inheritance
- Implementation independence, polymorphism, information hiding
- Inheritance, least interdependencies, information hiding

**Made by: Waqar Siddhu**

Keeping in view the principle of abstraction, which information can be stored by an organization for any particular employee.

Answer ( Please select your correct option )

**VuAnswers.com**

- Name, Relatives, Age
- Name, Past experience, Hobbies in spare time
- Name, Past experience, Age
- Name, Hobbies in spare time, Relatives

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

The \_\_\_\_\_ keyword tells the compiler to substitute the code within the function definition for every instance of a function call.

Answer ( Please select your correct option )

**VuAnswers.com**

Virtual

Inline

Instance

Static

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to free the memory occupied by the object, we use -----.

Answer ( Please select your correct option )

**VuAnswers.com**

Constructor

Destructor

Shallow Copy

Deep Copy

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Public methods of base class can be \_\_\_\_\_ accessed in the derived class.

Answer ( Please select your correct option )

**VuAnswers.com**

Directly

Indirectly

Consecutively

Simultaneously

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

A base class member or method that is alternatively defined in derived class is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Overwriting

Overriding

Overloaded

Copy riding

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

In Private \_\_\_\_\_ only member functions and friend classes or functions of a derived class can convert pointer or reference of derived object to that of parent object.

Answer ( Please select your correct option )

**VuAnswers.com**

specialization

inheritance

abstraction

composition

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following terms must relate to polymorphism?

Answer ( Please select your correct option )

**VuAnswers.com**

Static allocation

Static typing

Dynamic binding

Dynamic allocation

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

**VuAnswers.com**

template < class class\_name >

template < class\_name data\_type >

template < class T >

class template < class\_name >

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

**VuAnswers.com**

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*>{  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

**VuAnswers.com**

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

**VuAnswers.com**

Reusability

Writability

Maintainability

Efficient memory usage

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is example of complete specialization,

Answer ( Please select your correct option )

VuAnswers.com

`template <typename T> class Vector { };`

`template <typename T> class Vector<T*> { };`

`template<> class Vector <char*> { };`

`template <class T> class Vector< T *> { };`

Made by: Waqar Siddhu

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Template functions use \_\_\_\_\_ than ordinary functions.

Answer ( Please select your correct option )

**VuAnswers.com**

More Memory

Less Memory

Same Memory

Different Memory

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer (Please select your correct option )

**VuAnswers.com**

0

1

2

4

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following functions returns the total number of elements in a vector.

Answer ( Please select your correct option )

**VuAnswers.com**

length();

size();

ele();

veclen();

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Two important STL associative containers are \_\_\_\_\_ and \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

set,map

sequence,mapping

setmult,multipule

sit,mat

**Made by: Waqar Siddhu**

A vector is an appropriate container if you

Answer ( Please select your correct option )

**VuAnswers.com**

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

Answer ( Please select your correct option )

**VuAnswers.com**

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

"This" pointer returns:

Answer (Please select your correct option )

[VuAnswers.com](http://VuAnswers.com)

Reference of previous object

Reference of preceded object

Reference of current object

Reference of next object

**Made by: Waqar Siddhu**

Which of the following is not the main purpose of abstraction?

Answer (Please select your correct option )

**VuAnswers.com**

- Only shows the concerned details of the object
- Show all the details of the object
- Increases the complexity
- Removing unwanted details in some particular context

**Made by: Waqar Siddhu**

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

**VuAnswers.com**

Only one per constructor.

As many as the application asks for.

Only one per class.

One object per variable.

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ operator will take only one operand.

Answer (Please select your correct option )

**VuAnswers.com**

New

Const

Int

This

**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ ensure that the correct function is called for an object, regardless of the expression used to make the function call.

Answer ( Please select your correct option )

**VuAnswers.com**

Static functions

Virtual functions

Friend functions

Inline functions

**Made by: Waqar Siddhu**

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In a de-queue, (chosed the best option)

Answer ( Please select your correct option )

**VuAnswers.com**

Data can be quickly inserted or deleted at any arbitrary location.

Data can be relatively slowly inserted or deleted at any arbitrary location.

Data can not be quickly inserted or deleted at either end.

Data can be relatively slowly inserted or deleted at either end.

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statment,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

**VuAnswers.com**

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one is a logical abstract base class for a class called "footballPlayer"?

Answer ( Please select your correct option )

**VuAnswers.com**

Ground

Sport

Athlete

Team

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

**VuAnswers.com**

data type

meta type

virtual type

pointer type

**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Each try block can have \_\_\_\_\_ no. of catch blocks.

Answer ( Please select your correct option )

**VuAnswers.com**

2

3

As many as necessary.

1

**Made by: Waqar Siddhu**

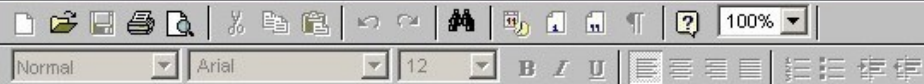
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Describe the way to declare a template function as a friend of any class.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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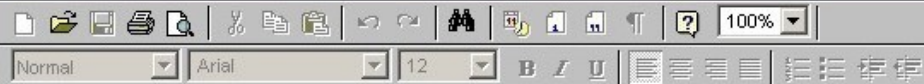
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Illustrate any two properties of a constructor.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

State any conflict that may arise due to multiple inheritance.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

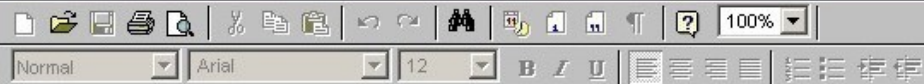
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What do you mean by Stack unwinding?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Consider the following information:

Class name= Doctor

Attributes= Id, name, designation, salary

Methods=checkup, prescribe, eat, walk

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

In both virtual inheritance and multiple inheritance, copy/copies of base class are created. Please list down, how many copy/copies of base class are created for:

- Virtual Inheritance
- Multiple inheritance

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 47 of 52

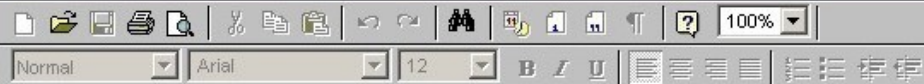
Marks: 3 (Budgeted Time 6 Min)

Give C++ code of template function to print the values of any type of array.

*Hint:* This function will take two parameters one will be array pointer and other will be size of the array.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

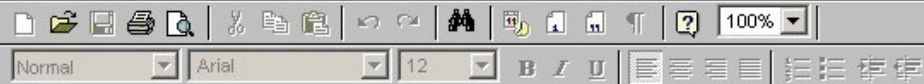
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Write C++ code that uses try catch block in member initialization list of any class.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

The code given below has one template function as a friend of a template class,

1. You have to identify any error/s in this code and describe the reason for error/s.
2. Give the correct code after removing the error/s.

```
template<typename U>  
void Test(U);
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

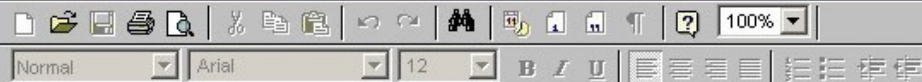
Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program which consists of a class named **Zakat** and consists of two data members **OwnerName** and **Totalamount**, the class should also consists of three constructors i.e. Default constructor , one argument constructor and two argument constructor.  
The class should further consists of a member function named **Cal\_zakat ()** which calculate the zakat.  
It should be keep in mind that the zakat will be calculated only if the **Totalamount** is greater than or equal to 20,000.  
In main program define three object of this class for respective constructors and also display the zakat for each object.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 51 of 52

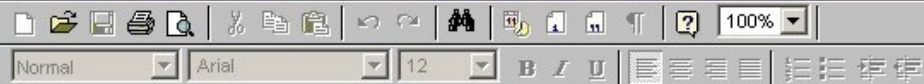
Marks: 5 (Budgeted Time 10 Min)

Consider the following code:

```
// publication class and derived classes
#include <iostream>
#include <string>
using namespace std;
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Write C++ code for the **overloaded subscript operator** of following template Vector class.

```
template< class T >  
class Vector {  
private:  
    T* ptr;
```

Answer ( [Please click here to Add Answer](#) )

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Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
T* ptr;  
int size;  
int index;  
public:  
    T& operator [](int); // overloaded subscript operator  
};
```

Answer ( [Please click here to Add Answer](#) )

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Made by: Waqar Siddhu

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

- Templates
- Overloading
- Overriding
- Friend function/class

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1



**MADE BY WAQAR SIDDHU**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

A < char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

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2



MADE BY WAQAR SIDDHU

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

- public members of Derv.
- protected members of Derv.
- private members of Derv.
- protected members of Base.

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3



MADE BY WAQAR SIDDHU

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

template <typename T>

typename <template T>

Template Class <ClassName>

Class <Template T>

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4



MADE BY WAQAR SIDDHU

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

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**MADE BY WAQAR SIDDHU**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

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**MADE BY WAQAR SIDDHU**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

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7



MADE BY WAQAR SIDDHU

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect line regarding function template?

Answer ( Please select your correct option )

template<class T>

template <typename U>

Class<template T>

template < class T, class U>

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8

MADE BY WAQAR SIDDHU

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following acts as an interface of the class?

Answer ( Please select your correct option )

- Private member functions
- Public data members
- Public member functions
- Private data members

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**MADE BY WAQAR SIDDHU**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function ding() in base and derived class, and pointer p to base class object contains the address of derived class object, then the statement p->ding() will execute ding() member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

- Base
- Derived
- Virtual
- Implemented

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10



MADE BY WAQAR SIDDHU

Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

Encapsulation is a feature of Object Oriented Programming which means,

Answer ( Please select your correct option )

- Keep data separated from code
- Keep data and code in a single place
- Keep data separated from code and also keep data and code in a single place
- Reusing code by creating new classes from previously created classes

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**MADE BY WAQAR SIDDHU**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Abstract class has \_\_\_\_\_.

Answer ( Please select your correct option )

- Zero Instances
- One Instance
- Two Instances
- Many Instances

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12



Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is an example of accessor function?

Answer ( Please select your correct option )

- Constructors for intilizing objects
- Getters for getting data member values
- Destructors to free the memory space
- Copy constructor to create a new object from existing object

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13

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

A **friend** function can access a class's private data without being a \_\_\_\_\_.

Answer ( Please select your correct option )

- Static member of the class
- None member of the class
- Member of the class
- Constant member of the class

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14

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

- Noun
- Pronoun
- Verb
- Adverb

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**MADE BY WAQAR SIDDHU**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

default type

static type

abstract type

reference type

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16



MADE BY WAQAR SIDDHU

Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

- can be
- cannot be
- does restrict to be
- never

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**MADE BY WAQAR SIDDHU**

Question No : 18 of 52


Marks: 1 (Budgeted Time 1 Min)

When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

Answer ( Please select your correct option )

- Run time
- Compile time
- Processing time
- Execution time

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

- vector, class
- typename, class
- template, class
- type, class

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MADE BY WAQAR SIDDHU

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

- template < class class\_name >
- template < class\_name data\_type >
- template < class T >
- class template < class\_name >

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MADE BY WAQAR SIDDHU

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

- it defines a class template for integers only
- it defines a class template for any data type
- class templates are not defined in this way
- it defines template functions

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*> {  
    void** p;  
    //....  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

Reusability

Writability

Maintainability

Efficient memory usage

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MADE BY WAQAR SIDDHU

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_instance/s of that class.

Answer ( Please select your correct option )

- One
- Two
- All instances of one date type
- All

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**MADE BY WAQAR SIDDHU**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

- variable
- array
- function
- datatype

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**MADE BY WAQAR SIDDHU**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

- 0
- 1
- 2
- 4

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

- 11 for v and 3 for w.
- 0 for v and 0 for w.
- 0 for v and 3 for w.
- 3 for v and 11 for w.

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29

Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

- Hold objects of class employee.
- Store elements in a way that makes them quickly accessible.
- Compile c++ programs.
- Organize the way objects are stored in memory

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MADE BY WAQAR SIDDHU

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

Answer ( Please select your correct option )

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

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31



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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Objects having identical characteristics belong to,

Answer ( Please select your correct option )

- Same class
- Two different classes
- Any number of different classes
- Objects can not have identical characteristics

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32

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A static member function can be called, even when an object is not \_\_\_\_\_.

Answer ( Please select your correct option )

- Excecute
- Define
- Instantiated
- Mention

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**MADE BY WAQAR SIDDHU**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

The following overloaded operator ..... takes no argument.

Answer ( Please select your correct option )

- /
- 
- +
- ++

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34



MADE BY WAQAR SIDDHU

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

- Only one per constructor.
- As many as the application asks for.
- Only one per class.
- One object per variable.

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**MADE BY WAQAR SIDDHU**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> vvec;  
After adding the statement,  
vvec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

- It will add an element to the start of vvec and will initialize it with 21.
- It will add an element to the center of vvec and will reinitialize it with 21.
- It will delete an element to the end (the back) of vvec and will reinitialize it with 21.
- It will add an element to the end (the back) of vvec and initialize it with 21.

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

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37



MADE BY WAQAR SIDDHU

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

- Parameters, temporary
- Parameters, null
- Parameters, default
- Parameters, zero

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

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39



MADE BY WAQAR SIDDHU

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

- data type
- meta type
- virtual type
- pointer type

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Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Sort the following data in the order in which compiler searches a function?  
Complete Specialization, Generic Template, Partial Specialization, Ordinary Function.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Friend functions minimize "Encapsulation", What is your opinion?

Answer ( Please [click here](#) to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

State any two reasons why virtual methods can not be static?

Answer ( Please click here to Add Answer )

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**MADE BY WAQAR SIDDHU**

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Give two advantages that Iterators provide over Cursors.

Answer ( Please [click here](#) to Add Answer )

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Navigation controls including an information icon, back, forward, and search buttons.

**MADE BY WAQAR SIDDHU**

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Describe three properties necessary for a container to implement Generic Algorithms.

Answer ( [Please click here to Add Answer](#) )

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46



**MADE BY WAQAR SIDDHU**

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Consider the following code:

```
class Teacher {  
int id  
char * name;  
float salary
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

What is Graceful Termination method of Error Handling, give its example using C++ code.

Answer ( Please click here to Add Answer )

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48



**MADE BY WAQAR SIDDHU**

Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

See the 5 code snippets below and tell whether these are correct or incorrect also justify your answers in the table given at the end.

Snippet No.1

```
template < class T>  
class A {
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program which consists of a class named **Department**, this class should consists of two data members **DeptName** and **No\_of\_emps**, The class should further consists of three overloaded constructors, i.e. Default constructor, one argument constructor and two argument constructor and a member function named **Display** which display the Department information.

In main program define three reference variables for respective constructors and display its information.

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code:

```
// publication class and derived classes
#include <iostream>
#include <string>
using namespace std;
```

Answer ( [Please click here to Add Answer](#) )

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**MADE BY WAQAR SIDDHU**

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

Answer ( Please click here to Add Answer )

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52

Navigation icons: Information, Previous, Home, Next, and Print.

**MADE BY WAQAR SIDDHU**

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

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Templates

Overloading

Overriding

Friend function/class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the correct way of declaring an object of user defined template class A for char type members?

Answer ( Please select your correct option )

VuAnswers.com

A < char > obj;

<char>A obj;

A obj<char>;

Obj <char> A;

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

**VuAnswers.com**

- public members of Derv.
- protected members of Derv.
- private members of Derv.
- protected members of Base.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer (Please select your correct option )

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- `template <typename T>`
- `typename <template T>`
- `Template Class <ClassName>`
- `Class <Template T>`

Made by: Waqar Siddhu

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Facilitates reuse of class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Does not facilitate reuse of class

Does not support generic methods

Does not support static members

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

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- a function do not returns by value.
- an argument is passed by value.
- a function returns by reference.
- an argument is passed by reference.

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

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- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect line regarding function template?

Answer ( Please select your correct option )

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template<class T>

template <typename U>

Class<template T>

template < class T, class U>

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following acts as an interface of the class?

Answer ( Please select your correct option )

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Private member functions

Public data members

Public member functions

Private data members

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

Base

Derived

Virtual

Implemented

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Encapsulation is a feature of Object Oriented Programming which means,

Answer ( Please select your correct option )

**VuAnswers.com**

- Keep data separated from code
- Keep data and code in a single place
- Keep data separated from code and also keep data and code in a single place
- Reusing code by creating new classes from previously created classes

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Abstract class has \_\_\_\_\_.

Answer (Please select your correct option )

**VuAnswers.com**

Zero Instances

One Instance

Two Instances

Many Instances

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is an example of accessor function?

Answer ( Please select your correct option )

**VuAnswers.com**

- Constructors for intilizing objects
- Getters for getting data member values
- Destructors to free the memory space
- Copy constructor to create a new object from existing object

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

A **friend** function can access a class's private data without being a \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Static member of the class

None member of the class

Member of the class

Constant member of the class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

**VuAnswers.com**

Noun

Pronoun

Verb

Adverb

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_ .

Answer ( Please select your correct option )

**VuAnswers.com**

default type

static type

abstract type

reference type

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

**VuAnswers.com**

can be

cannot be

does restrict to be

never

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Run time

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Compile time

Processing time

Execution time

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

vector, class

typename, class

template, class

type, class

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

When we write a class template the first line must be:

Answer ( Please select your correct option )

**VuAnswers.com**

template < class class\_name >

template < class\_name data\_type >

template < class T >

class template < class\_name >

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

**VuAnswers.com**

it defines a class template for integers only

it defines a class template for any data type

class templates are not defined in this way

it defines template functions

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

```
template<> class Vector<void*> {  
    void** p;  
    //...  
    void*& operator[] ((int i);  
};
```

Answer ( Please select your correct option )

**VuAnswers.com**

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

VuAnswers.com

Reusability

Writability

Maintainability

Efficient memory usage

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

**VuAnswers.com**

One

Two

All instances of one date type

All

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

variable

array

function

datatype

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

0

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

1

2

4

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

**VuAnswers.com**

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

**VuAnswers.com**

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

**VuAnswers.com**

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

Answer ( Please select your correct option )

**VuAnswers.com**

Hold objects of class employee.

Store elements in a way that makes them quickly accessible.

Compile c++ programs.

Organize the way objects are stored in memory

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

The find() algorithm

Answer ( Please select your correct option )

**VuAnswers.com**

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

**Made by: Waqar Siddhu**

Objects having identical characteristics belong to,

Answer ( Please select your correct option )

**VuAnswers.com**

Same class

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Two different classes

Any number of different classes

Objects can not have identical characteristics

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A static member function can be called, even when an object is not \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Excecute

Define

Instantiated

Mention

**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

The following overloaded operator ..... takes no argument.

Answer ( Please select your correct option )

VuAnswers.com

/

-

+

++

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

**VuAnswers.com**

Only one per constructor.

As many as the application asks for.

Only one per class.

One object per variable.

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

**VuAnswers.com**

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

**VuAnswers.com**

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

**VuAnswers.com**

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element", }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

**VuAnswers.com**

Generic element

Heading element

Paragraph element

Nothing will be printed.

**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

VuAnswers.com

data type

meta type

virtual type

pointer type

Correct answer solved by hadi  
email : usmanraj20@gmail.com  
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Sort the following data in the order in which compiler searches a function?  
Complete Specialization, Generic Template, Partial Specialization, Ordinary Function.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

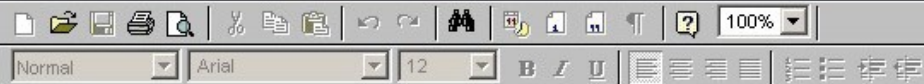
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Friend functions minimize "Encapsulation", What is your opinion?

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

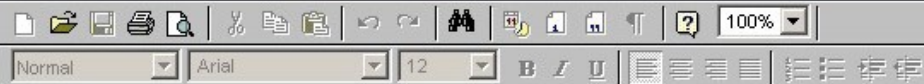
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

State any two reasons why virtual methods can not be static?

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

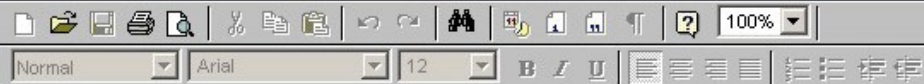
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Give two advantages that Iterators provide over Cursors.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

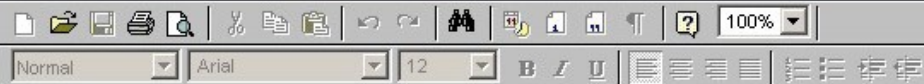
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

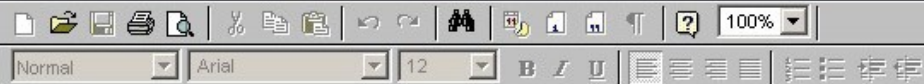
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Describe three properties necessary for a container to implement Generic Algorithms.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



**Made by: Waqar Siddhu**

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Consider the following code:

```
class Teacher {  
int id  
char * name;  
float salary
```

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

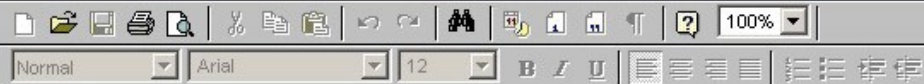
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

What is Graceful Termination method of Error Handling, give its example using C++ code.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

See the 5 code snippets below and tell whether these are correct or incorrect also justify your answers in the table given at the end.

### Snippet No.1

```
template< class T>  
class A {
```

Answer ( Please [click here to Add Answer](#) )

**VuAnswers.com**



**Made by: Waqar Siddhu**

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program which consists of a class named **Department**, this class should consists of two data members **DeptName** and **No\_of\_emps**, The class should further consists of three overloaded constructors, i.e. Default constructor, one argument constructor and two argument constructor and a member function named **Display** which display the Department information.

In main program define three reference variables for respective constructors and display its information.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following code:

```
// publication class and derived classes
#include <iostream>
#include <string>
using namespace std;
```

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

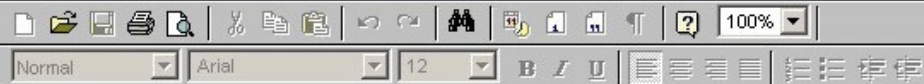
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

Answer ( Please [click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best approach to implement generic algorithms with minimum number of coding lines?

Answer ( Please select your correct option )

VuAnswers.com

- Templates
- Overloading
- Overriding
- Friend function/class

Made by: Waqar Siddhu



Identify the correct way of declaring an object of user defined template class **A** for char type members?

Answer ( Please select your correct option )

VuAnswers.com

A< char > obj;



<char>A obj;

A obj<char>;

Obj <char> A;

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Assume a class Derv that is privately derived from class Base. An object of class Derv located in main() can access

Answer ( Please select your correct option )

VuAnswers.com

public members of Derv.



protected members of Derv.

private members of Derv.

protected members of Base.

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to define a class template, the first line of definition must be:

Answer ( Please select your correct option )

VuAnswers.com

- `template <typename T>`
- `typename <template T>`
- `Template Class <ClassName>`
- `Class <Template T>`

Made by: Waqar Siddhu

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

A class template \_\_\_\_\_

Answer ( Please select your correct option )

VuAnswers.com

- Facilitates reuse of class
- Does not facilitate reuse of class
- Does not support generic methods
- Does not support static members

Made by: Waqar Siddhu

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

A copy constructor is invoked when

Answer ( Please select your correct option )

VuAnswers.com

a function do not returns by value.

an argument is passed by value.

a function returns by reference.

an argument is passed by reference.

Made by: Waqar Siddhu

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose we have two derived classes from a single class, can we write a method with same name in both these derived classes ? Choose the best option.

Answer ( Please select your correct option )

VuAnswers.com

- No
- Only if the two classes have the same name
- Only if the main program does not declare both kinds
- Yes

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect line regarding function template?

Answer ( Please select your correct option )

VuAnswers.com

template<class T>

template <typename U>

Class<template T>

template < class T, class U>

Made by: Waqar Siddhu

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following acts as an interface of the class?

Answer ( Please select your correct option )

VuAnswers.com

Private member functions

Public data members

Public member functions

Private data members

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

A virtual member function `ding()` in base and derived class, and pointer `p` to base class object contains the address of derived class object, then the statement `p->ding()` will execute `ding()` member function in \_\_\_\_\_ class.

Answer ( Please select your correct option )

**VuAnswers.com**

- Base
- Derived
- Virtual
- Implemented

**Made by: Waqar Siddhu**

Encapsulation is a feature of Object Oriented Programming which means,

Answer ( Please select your correct option )

VuAnswers.com

- Keep data separated from code
- Keep data and code in a single place **not sure**
- Keep data separated from code and also keep data and code in a single place
- Reusing code by creating new classes from previously created classes

Made by: Waqar Siddhu

Abstract class has \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

Zero Instances

One Instance

Two Instances

Many Instances

Made by: Waqar Siddhu

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is an example of accessor function?

Answer ( Please select your correct option )

VuAnswers.com

- Constructors for intilizing objects
- Getters for getting data member values
- Destructors to free the memory space
- Copy constructor to create a new object from existing object

Made by: Waqar Siddhu

A **friend** function can access a class's private data without being a \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

Static member of the class

None member of the class

Member of the class

Constant member of the class

Made by: Waqar Siddhu

A class can be identified from a statement by -----.

Answer ( Please select your correct option )

VuAnswers.com

Noun

Pronoun

Verb

Adverb

Made by: Waqar Siddhu

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

The type that is used to declare a reference or pointer is called its \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

default type

static type

abstract type

reference type

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

If a class D has been derived using protected inheritance from class B (If B is a protected base and D is derived class) then public and protected members of B \_\_\_\_\_ accessed by member functions and friends of class D and classes derived from D.

Answer ( Please select your correct option )

VuAnswers.com

can be

cannot be

does restrict to be

never

Made by: Waqar Siddhu

When a virtual function is called by referencing a specific object by name and using the dot member selection operator (e.g., squareObject.draw()), the reference is resolved at \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Run time

Compile time

Processing time

Execution time

**Made by: Waqar Siddhu**

A template argument is preceded by the keyword \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

vector, class

typename, class

template, class

**idea**

type, class

Made by: Waqar Siddhu

When we write a class template the first line must be:

Answer ( Please select your correct option )

VuAnswers.com

template < class class\_name >

template < class\_name data\_type >

template < class T >

class template < class\_name >

Made by: Waqar Siddhu

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following definition

```
template < class T > class Xyz { ... };
```

Answer ( Please select your correct option )

VuAnswers.com

it defines a class template for integers only

it defines a class template for any data type

class templates are not defined in this way

it defines template functions

Made by: Waqar Siddhu

```
template<> class Vector<void*>{  
    void** p;  
    //...  
    void*& operator[] ((int i),  
};
```

Answer ( Please select your correct option )

VuAnswers.com

- This specialization can be used as the common implementation for all Vectors of pointers.
- This specialization can then be used as the implimentation for all types of classes.
- This specialization can then be used for double type pointers.
- This specialization should be used for Vectors of int types.

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT an advantage of generic programming?

Answer ( Please select your correct option )

VuAnswers.com

Reusability

Writability

Maintainability

Efficient memory usage

Made by: Waqar Siddhu

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of \_\_\_\_\_ instance/s of that class.

Answer ( Please select your correct option )

VuAnswers.com

One



Two



All instances of one date type



All



Made by: Waqar Siddhu

Vectors contain contiguous elements stored as a[an] \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

variable

array

function

datatype

Made by: Waqar Siddhu

By default the vector data items are initialized to \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

0

1

2

4

Made by: Waqar Siddhu

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

An STL algorithm is

Answer ( Please select your correct option )

VuAnswers.com

- A standalone function that operates on containers.
- A link between member functions and containers.
- A friend function of appropriate container classes.
- A member function of appropriate container classes.

Made by: Waqar Siddhu

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A vector is an appropriate container if you

Answer ( Please select your correct option )

VuAnswers.com

- want to insert lots of new elements at arbitrary locations in the vector.
- want to insert new elements, but always at the front of the container.
- are given an index number in order to quickly access the corresponding element.
- are given an element key value in order to quickly access the corresponding element.

Made by: Waqar Siddhu

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Vector V with default constructor is defined, and another vector W is defined with one argument constructor with size 11, and insert 3 elements into each of these vectors with push\_back(), then the size() member function will return \_\_\_ for V and \_\_\_ for W.

Answer ( Please select your correct option )

VuAnswers.com

11 for v and 3 for w.

0 for v and 0 for w.

0 for v and 3 for w.

3 for v and 11 for w.

Made by: Waqar Siddhu

An STL container can not be used to:

Answer ( Please select your correct option )

VuAnswers.com

Hold objects of class employee.

Store elements in a way that makes them quickly accessible.

Compile c++ programs.

Organize the way objects are stored in memory

Made by: Waqar Siddhu

The find() algorithm

Answer ( Please select your correct option )

VuAnswers.com

- Finds matching sequences of elements in two containers.
- Finds a container that matches a specified container.
- Takes iterators as its first two arguments.
- Takes container elements as its first two arguments.

Made by: Waqar Siddhu

Objects having identical characteristics belong to,

Answer ( Please select your correct option )

VuAnswers.com

Same class

Two different classes

Any number of different classes

Objects can not have identical characteristics

Made by: Waqar Siddhu

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

A static member function can be called, even when an object is not \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

Excecute



Define



Instantiated



Mention



Made by: Waqar Siddhu

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

The following overloaded operator ..... takes no argument.

Answer ( Please select your correct option )

VuAnswers.com

/

-

+

++

Made by: Waqar Siddhu

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

How many objects for a class can be constructed in an application?

Answer ( Please select your correct option )

VuAnswers.com

Only one per constructor.

As many as the application asks for.

Only one per class.

One object per variable.

Made by: Waqar Siddhu

Suppose you create an uninitialized vector as follows:

```
vector<int> evec;  
After adding the statement,  
evec.push_back(21);  
what will happen?
```

Answer ( Please select your correct option )

VuAnswers.com

- It will add an element to the start of evec and will initialize it with 21.
- It will add an element to the center of evec and will reinitialize it with 21.
- It will delete an element to the end (the back) of evec and will reinitialize it with 21.
- It will add an element to the end (the back) of evec and initialize it with 21.

Made by: Waqar Siddhu

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A static function

Answer ( Please select your correct option )

VuAnswers.com

- should be called when an object is destroyed.
- is closely connected to an individual object of a class.
- can be called using the class name followed by function name.
- is used when a dummy object must be created.

Made by: Waqar Siddhu

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Default constructor either has no \_\_\_\_\_ or parameters with \_\_\_\_\_ values.

Answer ( Please select your correct option )

VuAnswers.com

Parameters, temporary

Parameters, null

Parameters, default

Parameters, zero

Made by: Waqar Siddhu

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

```
class DocElement
{
public:
    virtual void Print() { cout << "Generic element"; }
};
class Heading : public DocElement
```

Answer ( Please select your correct option )

VuAnswers.com

- Generic element
- Heading element
- Paragraph element
- Nothing will be printed.

Made by: Waqar Siddhu

The specialization pattern <T\*> after the name says that this specialization is to be used for every,

Answer ( Please select your correct option )

VuAnswers.com

data type

meta type

virtual type

pointer type

Made by: Waqar Siddhu

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Sort the following data in the order in which compiler searches a function?  
Complete Specialization, Generic Template, Partial Specialization, Ordinary Function.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Friend functions minimize "Encapsulation", What is your opinion?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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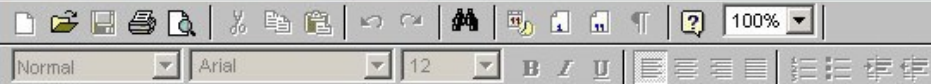
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

State any two reasons why virtual methods can not be static?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Give two advantages that Iterators provide over Cursors.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



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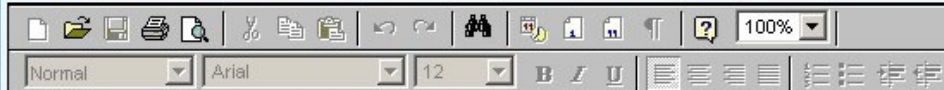
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a template function that takes one template parameter and always returns value that is always equal to double of its parameter value (parameter \* 2).

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

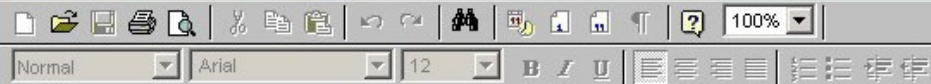
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Describe three properties necessary for a container to implement Generic Algorithms.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 47 of 52

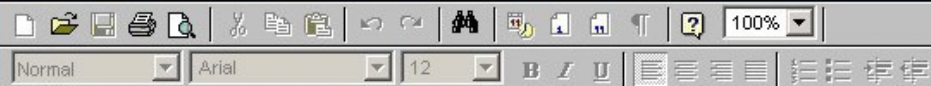
Marks: 3 (Budgeted Time 6 Min)

Consider the following code:

```
class Teacher {  
int id  
char * name;  
float salary
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

What is Graceful Termination method of Error Handling, give its example using C++ code.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

See the 5 code snippets below and tell whether these are correct or incorrect also justify your answers in the table given at the end.

### Snippet No.1

```
template< class T>  
class A {
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Write a program which consists of a class named **Department**, this class should consists of two data members **DeptName** and **No\_of\_emps**, The class should further consists of three overloaded constructors, i.e. Default constructor, one argument constructor and two argument constructor and a member function named **Display** which display the Department information.

In main program define three reference variables for respective constructors and display its information.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Consider the following code:

```
// publication class and derived classes
#include <iostream>
#include <string>
using namespace std;
```

VuAnswers.com

Answer ( [Please click here to Add Answer](#) )



Made by: Waqar Siddhu

Create a Vector array of length 8, and also initialize the elements of this array with values 0 1 2 3 4 5 6 7.

VuAnswers.com

Answer ( [Please click here to Add Answer](#) )



Made by: Waqar Siddhu