DOWNLOAD SOLVED FINAL

PAST PAPERS BY WAQAR SIDDHU

More in PDF From

VU Answer

Get All Solutions.

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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

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

- Derived
- Abstract
- virtual

Made by: Waqar Siddh

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

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

- Virtual
- Implemented

Made by: Waqar Siddh

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 Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddh

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 maintainablity

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

Made by: Waqar Siddh

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 Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

- 1
- -1
- Null

Made by: Waqar Siddh

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

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

- Indirectly
- Consecutively
- Simultaneously

Made by: Waqar Siddh

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 Siddh

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

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

- System and User
- Administrator

Made by: Waqar Siddh

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 Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddh

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 Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddh

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 Siddh

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddh

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 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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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 Siddh

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

In a de-queue, (chose 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 Siddh

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 statment,
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 Siddh

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 Siddh

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 Siddh

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.

VuAnswers.com

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

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
email : usmanraj20@gmail.com
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,

VuAnswers.com

Answer (Please select your correct option)

- 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,

VuAnswers.com

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

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
email : usmanraj20@gmail.com
Cell : 03228043306

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 Assocation
- 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
email : usmanraj20@gmail.com
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
email : usmanraj20@gmail.com
Cell : 03228043306

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 _____.

VuAnswers.com

Answer (Please select your correct option)

- 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
email : usmanraj20@gmail.com
Cell : 03228043306

- 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
email : usmanraj20@gmail.com
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.

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
email : usmanraj20@gmail.com
Cell : 03228043306

Made by: Waqar Siddhu

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

Vectors contain contiguous elements stored as a[an] _____.

VuAnswers.com

Answer (Please select your correct option)

- 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
email : usmanraj20@gmail.com
Cell : 03228043306

- 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.

VuAnswers.com

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.

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
email : usmanraj20@gmail.com
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

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

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

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

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

Made by: Waqar Siddhu

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)

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
email : usmanraj20@gmail.com
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
email : usmanraj20@gmail.com
Cell : 03228043306

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?

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 : 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.

VuAnswers.com

Answer (Please select your correct option)

- 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.

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 : 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

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

- 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 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.
- a function returns by reference.
- an argument is passed by reference.

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

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.

VuAnswers.com

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

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 Si

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
email : usmanraj20@gmail.com
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
email : usmanraj20@gmail.com
Cell : 03228043306

- 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;
```

VuAnswers.com

Answer (Please select your correct option)

- 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
email : usmanraj20@gmail.com
Cell : 03228043306

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.

VuAnswers.com

Answer (Please select your correct option)

- 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,

VuAnswers.com

Answer (Please select your correct option)

- late binding
- static binding
- virtual binding
- hybrid binding

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)

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

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)

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
```

VuAnswers.com

Answer (Please select your correct option)

- 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

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.

VuAnswers.com

Answer (Please select your correct option)

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

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)

Template functions use _____ than ordinary functions.

VuAnswers.com

Answer (Please select your correct option)

- 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

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 : 26 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 : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

VuAnswers.com

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

Made by: Waqar Siddhu

Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

VuAnswers.com

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.

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)

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

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?

VuAnswers.com

Answer (Please select your correct option)

- Obfustication
- Data Mining
- Compilation
- Encapsulation

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)

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

VuAnswers.com

Answer (Please select your correct option)

- 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.

VuAnswers.com

Answer (Please select your correct option)

- 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:

VuAnswers.com

Answer (Please select your correct option)

- Aggregation
- Composition
- Inheritance
- One way association

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)

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

VuAnswers.com

Answer (Please select your correct option)

- 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
email : usmanraj20@gmail.com
Cell : 03228043306

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
email : usmanraj20@gmail.com
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

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
email : usmanraj20@gmail.com
Cell : 03228043306

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
email : usmanraj20@gmail.com
Cell : 03228043306

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?

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)

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>

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)

A copy constructor is invoked when

VuAnswers.com

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.

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

email : 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,

VuAnswers.com

Answer (Please select your correct option)

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

Made by: Waqar Siddhu

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

Inheritance is a way to

VuAnswers.com

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.

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

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

- 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?

VuAnswers.com

Answer (Please select your correct option)

- 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?

VuAnswers.com

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

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 _____.

VuAnswers.com

Answer (Please select your correct option)

- 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?

VuAnswers.com

Answer (Please select your correct option)

- 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_____ .

VuAnswers.com

Answer (Please select your correct option)

- 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:

VuAnswers.com

Answer (Please select your correct option)

- 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.

VuAnswers.com

Answer (Please select your correct option)

- Private
- Protected
- Non private
- Public

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

VuAnswers.com

Answer (Please select your correct option)

- 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

VuAnswers.com

Answer (Please select your correct option)

- 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 _____.

VuAnswers.com

Answer (Please select your correct option)

- 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;

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

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,

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 : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Non Template Friend functions of a class are friends of _____instance/s of that class.

VuAnswers.com

Answer (Please select your correct option)

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

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

Made by: Waqar Siddh

Question No : 24 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

Made by: Waqar Siddhu

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

By default the vector data items are initialized to _____.

VuAnswers.com

Answer (Please select your correct option)

- 0

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

VuAnswers.com

Answer (Please select your correct option)

- 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

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 : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

An STL container can not be used to:

VuAnswers.com

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

Made by: Waqar Siddhu

Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

The copy() algorithm returns an iterator to

VuAnswers.com

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.

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

VuAnswers.com

Answer (Please select your correct option)

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

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)

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

VuAnswers.com

Answer (Please select your correct option)

- 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.

VuAnswers.com

Answer (Please select your correct option)

- Base class
- Parent class
- Super class
- Derived class

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)

In abnormal termination our program is terminated _____.

VuAnswers.com

Answer (Please select your correct option)

- 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.

VuAnswers.com

Answer (Please select your correct option)

- 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?

VuAnswers.com

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.

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 pointer to a base class can point to object of a _____ class.

VuAnswers.com

Answer (Please select your correct option)

- 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:

VuAnswers.com

Answer (Please select your correct option)

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

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)

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

VuAnswers.com

Answer (Please select your correct option)

- 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 : 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)

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

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

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

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

- 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 : 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
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
email : usmanraj20@gmail.com
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 ()**

VuAnswers.com

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; }

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
email : usmanraj20@gmail.com

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
email : usmanraj20@gmail.com
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;
```

VuAnswers.com

Answer (Please select your correct option)

- 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
email : usmanraj20@gmail.com
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

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

- cannot be
- does restrict to be
- never

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
email : usmanraj20@gmail.com
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 : 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.

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

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
email : usmanraj20@gmail.com
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 : 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 : 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

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)

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
- setmet,multipule
- sit,mat

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)

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

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

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)

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, (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.

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 : 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

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.

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

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 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

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

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

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
- 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 idea
- 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

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

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
- 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.

VuAnswers.com

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.

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

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

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

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

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)

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

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

Made by: Waqar Siddhu

MORE PAST PAPERS BY WAQAR SIDDHU

Provide Solved in PDF Get From

VU Answer

Get