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Question # 15 of 15 (Start time: 10:30:25 PM, 03 February 2023)

Total Marks: 1

If we have not given any constructor for the class, compiler generates which of the following constructors?

Select the correct option

- ☐ Explicit Parameterized Constructor
- ☒ Implicit Default Constructor
- ☐ Implicit Parameterized Constructor
- ☐ Explicit Default Constructor

Question # 14 of 15 (Start time: 10:29:51 PM, 03 February 2023)

Total Marks: 1

Consider the code below:

```
class class1
{
    private: void func1();
};

class class2 : public class1
{
};

Function func1 of class1 is _____ in class2.
```

Select the correct option

- ☐ public
- ☒ private

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When derived class has user defined assignment operator,

Select the correct option

- ☐ Compiler itself calls base class assignment operator.
- ☐ Compiler does nothing.
- ☒ Compiler itself calls base class default constructor.
- ☐ Compiler itself calls base class copy constructor.

Click to Save Answer & Move to Next Question

Question # 12 of 15 (Start time: 10:27:31 PM, 03 February 2023) Total Marks: 1

When we want to have exactly identical operations on different data types, _____ are used.

Select the correct option

- ☐ Function Overriding
- ☐ None of the given options
- ☒ Function Overloading
- ☐ Function Templates

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Question # 14 of 15 (Start time: 10:22:37 PM, 30 January 2023) Total Marks: 1

We can change behavior of a template using _____.

Select the correct option

- ☐ Function Templates
- ☐ None of the given options
- ☐ Class Templates
- ☒ Template Parameters

Question # 13 of 15 (Start time: 10:21:45 PM, 30 January 2023) Total Marks: 1

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

Select the correct option

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

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Which of the following is/are casting operator(s) in C++?

Select the correct option

- ☐ static_cast
- ☐ dynamic_cast
- ☐ const_cast
- ☒ All of the given options

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Question # 11 of 15 (Start time: 10:18:42 PM, 30 January 2023) Total Marks: 1

We can access private members of the class from outside the class using _____ operator with its object pointer.

Select the correct option

- ☐ *
- ☐ None of the given options
- ☒ ->
- ☐ &

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Question # 11 of 15 (Start time: 10:18:42 PM, 30 January 2023) Total Marks: 1

We can access private members of the class from outside the class using _____ operator with its object pointer.

Select the correct option

- ☐ -
- ☐ None of the given options
- ☒ ->
- ☐ &

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Question # 10 of 15 (Start time: 10:17:39 PM, 30 January 2023) Total Marks: 1

Compiler generated copy constructor performs _____.

Select the correct option

- ☐ None of these options
- ☐ Deep copy
- ☒ Shallow copy
- ☐ Both Shallow and Deep copy

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Question # 9 of 15 (Start time: 10:17:01 PM, 30 January 2023) Total Marks: 1

Consider the following two lines of code written for a class Student,

```
1. Student subj1,subj2;  
2. subj2 = subj1;
```

In line No.2, which constructor of Student class will be called?

Select the correct option

- ☒ Copy constructor of Student class
- ☐ Default constructor of Student class
- ☐ Both Default and Copy constructor of Student class
- ☐ No constructor will be called

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class class1
{
public: void func1();
};
class class2 : private class1
{
};
Function func1 of class1 is _____ in class2.

Select the correct option

- ☐ public
- ☐ none of the given options
- ☒ private/hidden
- ☐ protected

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Question # 7 of 15 (Start time: 10:15:45 PM, 30 January 2023) Total Marks: 1

```
class class1 {
private:
void func1();
};
class class2 : private class1 {
};
Function func1 of class1 is _____ in class2,
```

Select the correct option

☒ private

☐ public

☐ protected

☐ none of the given options

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Question # 6 of 15 (Start time: 10:13:41 PM, 30 January 2023) Total Marks: 1

In c++, compiler can generate which of the following operators' code,

Select the correct option

☐ &&

☐ ==

☒ =

☐ &

Search 13... ENG 10:15 PM

Consider the code below:

```
class class1
{
private: void func1();
}

class class2: protected class1
{
}

Function func1 of class1 is _____ in class2.
```

Select the correct option

☐ public

☒ protected

☐ none of the given options

A template provides a convenient way to make a family of

Select the correct option

☐ variables and data members

☐ classes and exceptions

☐ programs and algorithms

☒ functions and classes

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If the user does not specify the type of inheritance then the default type of inheritance is _____.

Select the correct option

☐	Public inheritance
☒	None of the given
☐	Private inheritance
☐	Protected inheritance

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Question 2010 (Score: 100%) (Time: 10:09 PM, 10:09 PM, 10:09 PM, 10:09 PM)

If the user does not specify the type of inheritance then the default type of inheritance is _____.

Select the correct option

☐	Public inheritance
☒	None of the given
☐	Private inheritance
☐	Protected inheritance

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Question # 10 of 15 (Start time: 10:25:36 PM, 03 February 2023) Total Marks: 1

Friend Functions of a class are _____ members of that class.

Select the correct option

- ☐ Private
- ☒ None of the given options.
- ☐ Public
- ☐ Protected

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CS304 - Object Oriented Programming (Quiz 3) Quiz Start Time: 10:07 PM, 30 January 2023

Question # 1 of 15 (Start time: 10:07:03 PM, 30 January 2023) Total Marks: 1

In C++ generic programming is done using_____

Select the correct option

- ☐ Packages
- ☒ Templates
- ☐ Procedures
- ☐ None of these

Search 13... ENG 10:07 PM

Question # 9 of 15 (Start time: 10:25:02 PM, 03 February 2023)

Total Marks: 1

In case of public inheritance, protected members of base class will be _____ in derived class?

Select the correct option

- ☒ protected
- ☐ public
- ☐ private
- ☐ hidden

Question # 8 of 15 (Start time: 10:24:33 PM, 03 February 2023)

Total Marks: 1

Consider the code below:

```
class class1
{
    private: int i;
};

class class2 : protected class1
{
};
```

Then int member i of class1 is _____ in class2.

Select the correct option

- ☐ protected
- ☒ private

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Question # 5 of 15 (Start time: 10:22:16 PM, 03 February 2023) Total Marks: 1

In C++, dynamic binding and polymorphism will be achieved when member function will be _____

Select the correct option

☐ private

☒ virtual

☐ inline

☐ public

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Question # 4 of 15 (Start time: 10:21:46 PM, 03 February 2023) Total Marks: 1

In case of protected inheritance, public members of base class will be _____ in derived class?

Select the correct option

☐ hidden

☐ public

☒ protected

☐ private

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Question # 3 of 15 (Start time: 10:20:25 PM, 03 February 2023) Total Marks: 1

The C++ code statement class A: public B shows _____ relationship.

Select the correct option

☐	Composition
☐	Simple Association
☒	Inheritance
☐	Aggregation

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Question # 20 of 20 (Start time: 08:00:00 PM, 03 February 2023) Total Marks: 1

Consider the code below,

```
class class1{ public: void func1(); };
class class2: public class1 { };
Function func1 of class1 is _____ in class2.
```

Select the correct option

☐	Protected
☐	Hidden
☐	Private
☒	Public

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If the data members of an object have been dynamically allocated then it is required to do

Select the correct option

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☐ Both of the given options

☐ Shallow copy

☐ None of the given options

☒ Deep copy

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Which of the following is insertion operator?

Select the correct option

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☐ >>

☐ v

☒ <<

☐ ^

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In C++ classes, how many access specifiers are there?

Select the correct option

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☒ 3

☐ None of the given options

☐ 2

☐ 4

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Question # 2 of 15 (Start time: 10:19:36 PM, 03 February 2023) Total Marks: 1

In case of private inheritance, protected members of base class will be _____ in derived class?

Select the correct option

☒ protected

☐ hidden

☐ private

☐ public

Question # 1 of 15 (Start time: 10:18:50 PM, 03 February 2023) Total Marks: 1

Child class can call constructor of its,

Select the correct option

☐ Both direct and indirect base classes

☐ None of these

☒ Direct base class

☐ Indirect base class

If any data members of a class is using dynamic memory allocation , implementation of _____ would be better approach.

Select the correct option

☐ None of the given

☐ Both Deep and Shallow copy

☐ Shallow copy

☒ Deep copy

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Click to Save Answer & Move to Next Question

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Subscript operator is overloaded as member function of the class and there will be only one parameter with _____ data type.

Select the correct option

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☒ char

☐ float

☐ int

☐ string

Click to Save Answer & Move to Next Question

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In virtual inheritance, there can be _____ copy of the anonymous base class object.

Select the correct option

Reload Math Equations

☐ None of the given options

☒ One

☐ Zero

☐ Two

Click to Save Answer & Move to Next Question

Question # 10 of 20 (Start time: 08:53:24 PM, 30 January 2023) Total Marks: 1

The stream insertion and stream extraction operators are already overloaded for _____.

Select the correct option

[Reload Math Equations](#)

☐ None of the given options

☐ User Defined Data Type

☒ Built-in Data Type

☐ User Defined & Built-in Data Type

```
private:
int count;

public:
House() { cout<<"entering the house"<<endl;
House(int k) { count=k;
House() { cout<<"leaving the house"<<endl;
}
class Etchorn: public House
{ double size;
public:
etchorn(): House() { cout<<"entering the etchorn"<<endl;
}
}
int main()
{
etchorn obj;
return 0;
}
```

Select the correct option

[Reload Math Equations](#)

☐ entering the etchorn
leaving the house
leaving the house

☐ entering the house
leaving the etchorn
leaving the house

☒ entering the house
leaving the house
entering the etchorn

☐ leaving the house
entering the house
entering the etchorn

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In _____, there is exactly one copy of the anonymous base class object.

Select the correct option

[Reload Math Equations](#)

- ☐ Multiple Inheritance
- ☒ Simple Inheritance
- ☐ Virtual inheritance
- ☐ Hybrid inheritance

[Click to Save Answer & Move to Next Question](#)

What is the name of Base class in the line below?

```
class Truck : public Vehicle
```

Select the correct option

[Reload Math Equations](#)

- ☐ Truck
- ☐ Public
- ☒ Vehicle
- ☐ None of the given options

[Click to Save Answer & Move to Next Question](#)

Which of the following operator overloading declaration can be used for pre-increment operators implemented as member function of the class Complex?

Select the correct option

[Reload Math Equations](#)

- ☐ None of the given options
- ☐ `Complex & Complex::operator++();`
- ☐ `Complex && operator++();`
- ☒ `Complex & operator++();`

[Click to Save Answer & Move to Next Question](#)

Which of the following is used to get data from the console?

Select the correct option

[Reload Math Equations](#)

- ☒ Stream Extraction operator
- ☐ Binary Operators
- ☐ Stream Insertion operator
- ☐ Operator Overloading

[Click to Save Answer & Move to Next Question](#)

Question # 1 of 20 (Start time: 08:46:07 PM, 30 January 2023)

Total Marks: 1

Subscript operator is overloaded as _____ of the class and there will be only one parameter with integer data type.

Select the correct option

Reload Math Equations

- ☒ Overloading Operator
- ☐ Static Function
- ☐ Member Function
- ☐ Overriding Function

Question # 5 of 5 (Start time: 08:43:49 PM, 30 January 2023)

Total Marks: 1

Consider the following C++ code and identify pure virtual functions.

```
class Shape {  
    virtual void draw() = 0;  
    virtual double getArea(){}  
};
```

Select the correct option

Reload Math Equations

- ☐ class Shape
- ☐ None of the given options
- ☐ virtual double getArea()
- ☒ virtual void draw() = 0;

Complete the following code to create virtual table:

```
Point p1( 10, 10 ), p2( 30, 30 );
Shape* _____;
pShape = new Line( p1, p2 );
```

Select the correct option

[Reload Math Equations](#)

☐ Shape

☒ pShape

☐ pointer

☐ new line

[Click to Save Answer & Move to Next Question](#)

```
#include <iostream>
using namespace std;
class student
{
public:
int marks;
void display()
{
cout << "My basic class";
}
}
class hopperpublic: student
{
public:
void display()
{
cout << "My derived class";
}
}
main()
{
student s;
s.marks = 10;
s.display();
}
```

Select the correct option

[Reload Math Equations](#)

☐ Its derived class is basic class

☐ Its derived class is basic class

☐ Its base class is derived class

☒ Its base class is derived class

[Click to Save Answer & Move to Next Question](#)

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CS304P – Object Oriented Programming (Practical) (Lab 11 Quiz) Quiz Start Time: 08:38 PM, 30 January 2023

Question # 1 of 5 (Start time: 08:39:12 PM, 30 January 2023) Total Marks: 1

In virtual inheritance, there can be _____ copy of the anonymous base class object.

Select the correct option

One

Zero

None of the given options

Two

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In virtual inheritance, there can be _____ copy of the anonymous base class object.

Select the correct option

One

Zero

None of the given options

Two

Click to Save Answer & Move to Next Question

class class1
{
public: void func1();
};
class class2 : private class1
{
};
Function func1 of class1 is _____ in class2.

Select the correct option

☐ protected

☒ private/hidden

☐ none of the given options

☐ public

Question # 14 of 15 (Start time: 08:14:10 PM, 03 February 2023) Total Marks: 1

In case of protected inheritance, public members of base class will be _____ in derived class?

Select the correct option

☒ protected

☐ private

☐ hidden

☐ public

Question # 12 of 15 (Start time: 08:11:49 PM, 03 February 2023) Total Marks: 1

We can access private members of the class from outside the class using _____ operator with its object pointer.

Select the correct option

☐ -->

☐ *

☒ &

Question # 11 of 15 (Start time: 08:11:09 PM, 03 February 2023) Total Marks: 1

A template provides a convenient way to make a family of

Select the correct option

☒ functions and classes

☐ classes and exceptions

☐ variables and data members

☐ programs and algorithms

Question # 10 of 15 (Start time: 08:10:07 PM, 03 February 2023) Total Marks: 1

Consider the code below,

```
class c1{  
};  
class c2 : public c1 {  
};  
class c3 : public c2 {  
};
```

Select the correct option

- ☐ Direct child class of c2
- ☐ Direct base class of c3
- ☒ Direct child class of c3
- ☐ Direct base class of c2

Question # 9 of 15 (Start time: 08:09:41 PM, 03 February 2023) Total Marks: 1

In private inheritance derived class pointer can be assigned to base class pointer in,

Select the correct option

- ☐ In derived class member and friend functions
- ☐ None of the given options
- ☒ Main function
- ☐ In base class member and friend functions

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Question # 8 of 15 (Start time: 08:08:35 PM, 03 February 2023) Total Marks: 1

Outside world can access only _____ members of a class using its object.

Select the correct option

☐ No member is accessible.

☒ Public

☐ Protected

☐ Private

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Question # 7 of 15 (Start time: 08:08:11 PM, 03 February 2023) Total Marks: 1

Which will be the Primary task or tasks of generic programming?

Select the correct option

☐ Build concrete models of the concepts

☒ All of given

☐ Categorize the abstractions in a domain into concepts

☐ Implement generic algorithms based on the concepts

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Question # 6 of 15 (Start time: 08:07:17 PM, 03 February 2023) Total Marks: 1

Two functions with same names, parameters and return type can exist in,

Select the correct option

- ☐ Operator overloading
- ☐ Function overriding
- ☐ None of these options
- ☒ Function overloading

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Question # 4 of 15 (Start time: 08:05:23 PM, 03 February 2023) Total Marks: 1

In Protected Inheritance the public members of base class become _____ in derived class.

Select the correct option

- ☐ None of the given options.
- ☐ Public
- ☒ Protected
- ☐ Private

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CS304 - Object Oriented Programming (Quiz 3)

Question # 2 of 15 (Start time: 08:03:03 PM, 03 February 2023) Total Marks: 1

Consider the code below:

```
class class1
{
    private; void func1();
};

class class2 : public class1
{
};
```

Function func1 of class1 is _____ in class2.

Select the correct option

☒ private

☐ none of the given options

☐ protected

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