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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 func();
};

class class2 : public class1
{
};

Function func() 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

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

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 # 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 sobj1, sobj2;  
2. sobj2 = sobj1;
```

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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Consider the code below:

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

class class2: protected class1
{
};
```

Function func1 of class1 is _____ in class2.

Select the correct option

Reload Math Equations

- ☐ 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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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

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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

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

Reload Math Equations

- ☐ private
- ☒ virtual
- ☐ inline
- ☐ public

Click to Save Answer & Move to Next Question

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 # 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

Click to Save Answer & Move to Next Question

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

Select the correct option

☒ char

☐ float

☐ int

☐ string

Click to Save Answer & Move to Next Question

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

Select the correct option

☐ None of the given options

☒ One

☐ Zero

☐ Two

Click to Save Answer & Move to Next Question

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 marks are:" << endl;
    }
};

void main()
{
    student student;
    student.marks = 80;
    student.display();
}

// Output:
// My marks are: 80
```

Select the correct option

[Reload Math Equations](#)

☐ In default constructor, marks is zero

☐ In default constructor, marks is 80

☐ In constructor, marks is 80

☒ In constructor, marks is 80

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

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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

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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

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

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

Consider the code below:

```
class class1
{
    private void fun1();
}
class class2 : public class1
{
}
Function fun1 of class1 is _____ in class2.
```

Select the correct option

☒ private

☐ none of the given options

☐ protected

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