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Asslam-o-Alaikum! In this file we'll provide you **CS304P Important Finalterm MCQs. Must Prepare Before Finalterm Exams.**
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CS304P - Object Oriented Programming (Practical) (Quiz no #3(Graded)) Quiz Start Time: 05:40 PM, 18 January 2024

Question # 1 of 10 (Start time: 05:40:30 PM, 18 January 2024) Total Marks: 1

In inheritance, polymorphism is done by -----

Select the correct option Reload Math Equations

- None of the given options
- Method Overriding
- Method Overloading
- Copy Constructor

Time Left sec(s)

CS304P - Object Oriented Programming (Practical) (Quiz no #3(Graded)) Quiz Start Time: 05:40 PM, 18 January 2024

Question # 2 of 10 (Start time: 05:41:05 PM, 18 January 2024) Total Marks: 1

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

```
class Truck : public Vehicle
```

Select the correct option Reload Math Equations

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

```
using namespace std;
class House
{
int rooms;
public:
House() { cout<< "Entering the house"<<endl;}
House(int R) { rooms = R;}
House(House &H) { rooms=H.rooms}
~House() { cout<< "leaving the house"<<endl;}
};
```

Select the correct option

Reload Math Equations

- House()
- House(House &H)

```
B ObjB;
A & refA;
refA =ObjB;
return 0;
}
refA is an alias of object _____
```

Select the correct option

Reload Math Equations

- Both A and B
- B
- None of the given options
- A

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Time Left: sec(s)

CS304P - Object Oriented Programming (Practical) (Quiz no #3(Graded))

Quiz Start Time: 05:40 PM, 18 January 2024

Question # 5 of 10 (Start time: 05:43:52 PM, 18 January 2024) Total Marks: 1

Which of the following Copy Constructor declaration could alter its own value accidentally?

Select the correct option

- None of the given options
- Point : Point(const Point p)
- Point : Point(const Point &p)
- Point : Point(Point &p)

Reload Math Equations

```
public:
int Add(int a,int b){return a+b;}
void Add(int c,int d){return c+d;}
};
```

For the above class definition, which one is correct?

Select the correct option

- Run-time error
- Function Add is overloaded
- Function Add is overridden
- Compile-time error

Reload Math Equations

class Shape {
protected:
double area;
};
class Rectangle : public Shape {
private:
double length, width;
};
The base class member area in derived class Rectangle will be_____.

Select the correct option

protected

private

Reload Math Equations

Question # 9 of 10 (Start time: 05:47:17 PM, 18 January 2024) Total Marks:1

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

Select the correct option

4

3

2

None of the given options

Reload Math Equations

Click to Save Answer & Move to Next Question

Question # 10 of 10 (Start time: 05:47:37 PM, 18 January 2024) Total Marks: 1

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
- Shallow copy
- Both Deep and Shallow copy
- Deep copy

Reload Math Equations

Click to Save Answer & Move to Next Question

Question # 1 of 5 (Start time: 12:15:58 AM, 25 January 2024) Total Marks: 1

Vector Class Templates give the _____ implementation for all data types.

Select the correct option

- Indirect
- direct
- different
- same

Reload Math Equations

Click to Save Answer & Move to Next Question

Question # 2 of 5 (Start time: 12:16:26 AM, 25 January 2024) Total Marks: 1

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

Select the correct option

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

Click to Save Answer & Move to Next Question

Question # 3 of 5 (Start time: 12:16:50 AM, 25 January 2024) Total Marks: 1

Default class type could be set as default comparison type like

Select the correct option

- template< C typename Student >
- template< C typename = Student >
- template< typename C Student >
- template< typename C = Student >

Click to Save Answer & Move to Next Question

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

Question # 4 of 5 (Start time: 12:17:34 AM, 25 January 2024) Total Marks: 1

Which of the following is the correct definition of a class template?

Select the correct option

- template< class T > Temp Xyz { ... };
- templates<class T > Template Xyz { ... };
- < class T >template class Xyz { ... };
- template< class T > class Xyz { ... }

Click to Save Answer & Move to Next Question

which may be different from the argument ty

```
{  
  cout<<a<<"t"<<b;  
}
```

Select the correct option

- A function taking a single generic parameter and returning a generic type which must be different from argument type
- A function taking a single generic parameter and returning a generic type which must have the same type as argument type
- A function taking a single generic parameter and returning a generic type which may be different from argument type
- A function taking a single generic parameter and returning a specific non-void type

Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 12:20:32 AM, 25 January 2024) Total Marks: 1

Which of the following members of base class can be accessed in the derived class?

Select the correct option

- Both Public and Private
- Both Protected and Public
- All (Public, Protected, and Private)
- Both Protected and Private

Reload Math Equations

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 12:21:22 AM, 25 January 2024) Total Marks: 1

```
class A {----};  
class B : private A {----};  
class C : public B : private A {----};
```

Which of the above class hierarchy declaration will generate a compile error?

Select the correct option

- class C : public B : private A
- none of the given options
- class A
- class B : private A

Reload Math Equations

Question # 4 of 10 (Start time: 12:22:51 AM, 25 January 2024) Total Marks: 1

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

Question # 5 of 10 (Start time: 12:23:18 AM, 25 January 2024) Total Marks: 1

Which problem may arise if we use abstract class functions for polymorphism?

Select the correct option

- Derived classes can't redefine the function
- All the derived classes must implement the undefined functions
- Derived class must be of abstract type
- All classes are converted as abstract class

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 12:24:04 AM, 25 January 2024) Total Marks: 1

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

Select the correct option

- Virtual inheritance
- Multiple inheritance
- Simple Inheritance
- Hybrid inheritance

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 12:24:26 AM, 25 January 2024) Total Marks: 1

Consider the code below,

```
class class1{ public: void func();};  
class class2 : public class1 {};
```

Function func of class1 is _____ in class2.

Select the correct option

- Private
- Hidden
- Protected
- Public

Question # 8 of 10 (Start time: 12:25:30 AM, 25 January 2024) 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](#)

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

Question # 9 of 10 (Start time: 12:25:30 AM, 25 January 2024) Total Marks: 1

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

Select the correct option

[Reload Math Equations](#)

- static binding
- dynamic binding
- hybrid binding
- virtual binding

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

Question # 10 of 10 (Start time: 12:26:38 AM, 25 January 2024) Total Marks: 1

..... Binding means that target function for a call is selected at compile time.

Select the correct option

- Dynamic
- Static
- None of the given options
- Both Static and Dynamic

Reload Math Equations

Click to Save Answer & Move to Next Question

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 1 of 10 (Start time: 12:33:07 PM, 28 June 2024) Total Marks: 1

..... Binding means that target function for a call is selected at compile time.

Select the correct option

- Dynamic
- None of the given options
- Static
- Both Static and Dynamic

Reload Math Equations

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Question # 2 of 10 (Start time: 12:33:59 PM, 28 June 2024) Total Marks: 1

In Dev C++, _____ keeps track of the virtual functions and calls them correctly according to the nature of the object for which they are being called.

Select the correct option

- Compiler
- Interpreter
- Debugger
- Query Analyzer

Reload Math Equations

Click to Save Answer & Move to Next Question

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CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 3 of 10 (Start time: 12:35:10 PM, 28 June 2024) Total Marks: 1

In the case of private inheritance, public members of the base class will be _____ in the derived class.

Select the correct option

- Protected
- Private
- Public
- Hidden

Reload Math Equations

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 4 of 10 (Start time: 12:36:09 PM, 28 June 2024) Total Marks: 1

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

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 5 of 10 (Start time: 12:37:08 PM, 28 June 2024) Total Marks: 1

Which of the following members of base class can be accessed in the derived class?

Select the correct option Reload Math Equations

- Both Protected and Public
- Both Public and Private
- All (Public, Protected, and Private)
- Both Protected and Private

For the given class definition, which one is correct?

```
#include<iostream>
using namespace std;
class A{
int xy;
public:
int Add(int a,int b){return a+b;}
int Add(int c){return c;}
};
```

Select the correct option

- Function Add has an error
- Function Add is overridden
- None of the given options
- Function Add is overloaded

Reload Math Equations

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 7 of 10 (Start time: 12:38:51 PM, 28 June 2024) Total Marks: 1

Virtual functions can be used in _____ ways.

Select the correct option

- 8
- 6
- 4
- 0

Reload Math Equations

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 8 of 10 (Start time: 12:39:59 PM, 28 June 2024) Total Marks: 1

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

Select the correct option Reload Math Equations

- Public
- Private
- None of the given
- Protected

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 12:33 PM, 28 June 2024

Question # 9 of 10 (Start time: 12:40:47 PM, 28 June 2024) Total Marks: 1

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

Select the correct option Reload Math Equations

- dynamic binding
- static binding
- hybrid binding
- virtual binding

Question # 10 of 10 (Start time: 12:42:16 PM, 28 June 2024) Total Marks: 1

```
class A {----};
class B : private A {----};
class C : public B : private A {----};
```

Which of the above class hierarchy declaration will generate a compile error?

Select the correct option

none of the given options

class B : private A

class C : public B : private A

class A

Reload Math Equations

```
class A {
public:
int Test(int x) {return x*x;}
int Test(int x,int y) {return x*y;}
};
class B : public A {
public:
int Test(int x) { return x*x*x;}
};
```

In the above class, the method Test is_____.

Select the correct option

Both

Overridden

Reload Math Equations

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 07:38 PM, 28 June 2024

Question # 4 of 10 (Start time: 07:40:18 PM, 28 June 2024) Total Marks: 1

What will be the output of the following program?

```
#include<iostream>
using namespace std;
class FirstNumber
{ private:
    int x;
public:
    int y;
    FirstNumber () { x = 0; y = 10;
};
class SecondNumber: public FirstNumber
{ int z;
public:
    int w;
    SecondNumber () : FirstNumber ()
```

```
{ int z;
public:
    int w;
    SecondNumber () : FirstNumber ()
{
    z = 20;
    w = y + z;
    cout<<w;}
};
int main()
{
    SecondNumber Obj;
    return 0;
}
```

Select the correct option

40

Reload Math Equations

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```
int main()
{
    SecondNumber Obj;
    return 0;
}
```

Select the correct option

Reload Math Equations

40

10

20

30

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 07:41:15 PM, 28 June 2024) Total Marks: 1

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

Select the correct option

Reload Math Equations

Public

Private

Hidden

Protected

Click to Save Answer & Move to Next Question

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 03) Quiz Start Time: 07:38 PM, 28 June 2024

Question # 7 of 10 (Start time: 07:42:01 PM, 28 June 2024) Total Marks: 1

```
class A {----};
class B : private A {----};
class C : public B : private A {----};
```

Which of the above class hierarchy declaration will generate a compile error?

Select the correct option

- class A
- none of the given options
- class C : public B : private A
- class B : private A

Reload Math Equations

Question # 8 of 10 (Start time: 07:42:41 PM, 28 June 2024) Total Marks: 1

In inheritance, polymorphism is done by _____.

Select the correct option

- None of the given options
- Copy Constructor
- Method Overloading
- Method Overriding

Reload Math Equations

Click to Save Answer & Move to Next Question

Question # 10 of 10 (Start time: 07:44:16 PM, 28 June 2024) Total Marks: 1

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

Select the correct option

- dynamic binding
- hybrid binding
- virtual binding
- static binding

Reload Math Equations

Click to Save Answer & Move to Next Question

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 1 of 10 (Start time: 06:28:46 AM, 02 July 2024) Total Marks: 1

Which of the following is the correct syntax for creating a function Test(T) friend of a template class?

Select the correct option

- friend void Test(T);
- void Test(T) friend;
- void friend Test(T);
- void Test(T);

Reload Math Equations

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CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 3 of 10 (Start time: 06:33:58 AM, 02 July 2024) Total Marks: 1

Which of the given is not a Sequence Container?

Select the correct option Reload Math Equations

- List
- Deque
- Set
- Vector

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Question # 4 of 10 (Start time: 06:34:47 AM, 02 July 2024) Total Marks: 1

Which of the following function is used to add an element to the end of a vector?

Select the correct option Reload Math Equations

- back()
- push_back()
- insert()
- end()

Click to Save Answer & Move to Next Question

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 5 of 10 (Start time: 06:35:41 AM, 02 July 2024) Total Marks: 1

Which of the given is not a component of STL?

Select the correct option Reload Math Equations

- Cursor
- Algorithm
- Container
- Iterator

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 6 of 10 (Start time: 06:36:16 AM, 02 July 2024) Total Marks: 1

The partial specialization pattern <T*> says that this specialization is to be used for every _____.

Select the correct option Reload Math Equations

- Meta type
- Virtual type
- Data type
- Pointer type

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 7 of 10 (Start time: 06:36:58 AM, 02 July 2024) Total Marks: 1

Which of the following is the correct syntax to declare a vector of type int?

Select the correct option Reload Math Equations

- `vector<int> sampleVector;`
- `sampleVector vector<int> ;`
- `vector {int} sampleVector;`
- `int <vector> sampleVector;`

Question # 8 of 10 (Start time: 06:37:54 AM, 02 July 2024) Total Marks: 1

Which of the following is an example of general template?

Select the correct option Reload Math Equations

- `template< class T, class U>`
- `template< class T, float>`
- `template< class T, class U, int >`
- `template< int , float , int >`

Click to Save Answer & Move to Next Question

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 9 of 10 (Start time: 06:38:44 AM, 02 July 2024) Total Marks: 1

Which of the following is true about friend functions in template classes?

Select the correct option Reload Math Equations

- They must be defined inside the class.
- They can access private and protected members of the class.
- They are inherited by derived classes.
- They can only access public members of the class.

CS304P - Object Oriented Programming (Practical) (Graded Quiz # 04) Quiz Start Time: 06:28 AM, 02 July 2024

Question # 10 of 10 (Start time: 06:39:23 AM, 02 July 2024) Total Marks: 1

Which of the following is an example of partial specialization?

Select the correct option Reload Math Equations

- `template< int , float , char >`
- `template< int >`
- `template< class T, class U >`
- `template< class T, float >`