



C++ Programming MCQs Test 2

This Test will cover complete C++ with very important questions, starting off from basics to advanced level.

Q. The following program segment _____.

```
int a = 10;  
int const &b = a;  
a = 11;  
cout << a << b;
```

- A. results in compile time error
- B. results in run time error
- C. prints 1111
- D. none of the above

Correct Answer : OPTION C, prints 1111

Q. Which of the following is not a storage class supported by C++?

- A. register
- B. auto
- C. mutable
- D. dynamic

Correct Answer : OPTION D, dynamic

Q. Consider the following program segment. A complete C++ program with these two statements will _____.

```
static char X[3] = "1234";  
cout << X;
```

- A. print 1234
- B. print 123
- C. print 1234 followed by some junk
- D. will give a compilation error

Correct Answer : OPTION D, will give a compilation error. C++ forbids initialization with strings, whose length is more than the size of the array. A C compiler permits.

Q. For the declarations 1,2 and 3, which of the Statements is correct.

```
const char cc = 'h';  
Declaration 1: char *cp;  
Declaration 2: const char *const ccpc = &cc;  
Declaration 3: char *const *cpcp;
```

Which of the following statements are legal?

```
Statement 1: cp = *cpcp;  
Statement 2: **cpcp = *cp;  
Statement 3: *cp = **cpcp;
```

- A. All are legal
- B. All are illegal
- C. Only statement 1 is illegal
- D. Statement 1 and 3 are illegal

Correct Answer : OPTION A, All are legal

Q. Which of the following operators cannot be overloaded?

- A. >>
- B. ?:
- C. .
- D. No such operator exists

Correct Answer : OPTION B, ?:

Q. the code `class Dog : public X, public Y` is an example of?

- A. Multiple Inheritance
- B. Repeated Inheritance
- C. Linear Inheritance
- D. None of the above

Correct Answer : OPTION A, multiple inheritance

Q. Choose the correct statements.

- A. A destructor is not inherited
- B. A constructor cannot be called explicitly
- C. A destructor can be called explicitly
- D. A constructor is not inherited

Correct Answer : OPTION A, A destructor is not inherited

Q. For the below function `abc` , Which of the following function calls is/are illegal? (Assume `h` , `g` are declared as integers)

```
void abc(int x=0, int y, int z=0)
{
    cout << x<< y<< z;
}
```

- A. abc();
- B. abc(h);
- C. abc(h,h);
- D. None of the above

Correct Answer : OPTION A, abc();

Q. The compiler identifies a virtual function to be pure by _____.

- A. the presence of the keyword pure
- B. its location in the program
- C. the function being equated to 0
- D. none of the above

Correct Answer : OPTION C, if it is equated to 0

Q. Let class APE be a friend of class SAPIEN . Let class HUMAN be a child class of SAPIEN and let MONKEY be a child class of APE . Then,

- A. SAPIEN is not a friend of APE
- B. APE is not a friend of HUMAN
- C. MONKEY is not a friend of SAPIEN
- D. None of the above

Correct Answer : OPTION A, SAPIEN is not a friend of APE

Q. A class having no name _____.

- A. is not allowed
- B. cannot have a destructor
- C. cannot have a destructor
- D. cannot be passed as an argument

Correct Answer : OPTION B, cannot have a destructor

Q. For a method to be an Interface between the outside world and a class, it has to be declared _____.

- A. private
- B. protected
- C. public
- D. external

Correct Answer : OPTION C, public

Q. Choose the correct statements from the following :

- A. In a struct, the access control is public by default.
- B. In a struct, the access control is private by default.
- C. In a class, the access control is public by default.
- D. In a class, the access control is private by default.

Correct Answer : OPTION A, In a struct, the access control is public by default.

Q. Overloading is otherwise called as _____.

- A. Virtual Polymorphism
- B. Transient Polymorphism
- C. Pseudo Polymorphism
- D. Ad-hoc Polymorphism

Correct Answer : OPTION D, ad-hoc polymorphism

Q. C++ encourages structuring a software as a collection of components that are _____.

- A. highly cohesive and loosely coupled
- B. not highly cohesive but not loosely coupled
- C. highly cohesive and tightly coupled
- D. not highly cohesive but tightly coupled

Correct Answer : OPTION A, highly cohesive and loosely coupled

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