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This section presents you various set of Mock Tests related to **C++ Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.



Q 1 - The default access specifer for the class members is

- A public
- B private
- C protected
- D None of the above.

Q 2 - A trigraph character begins with

- A #
- B ##
- C ?
- D ??

Q 3 - C++ does not supports the following

- A Multilevel inheritance
- **B** Hierarchical inheritance
- C Hybrid inheritance
- D None of the above.

Q 4 - One of the following is true for an inline function.

A - It executes faster as it is treated as a macro internally

B - It executes faster because it priority is more than normal function

- C It doesn't executes faster compared to a normal function
- D None of the above holds true for an inline function

Q 5 - Choose the pure virtual function definition from the following.

- A virtual void f=0 { }
- B void virtual f=0 { }
- C virtual void f $\{\} = 0;$
- D None of the above.

Q 6 - Abstract class is ____

A - A class must contain all pure virtual functions

- B A class must contain at least one pure virtual function
- C A class may not contain pure virtual function.
- D A class must contain pure virtual function defined outside the class.

Q 7 - What is the output of the following program?

```
#include<isotream>
```

```
using namespace std;
class abc {
    void f();
    void g();
    int x;
};
main() {
        cout<<sizeof(abc)<<endl;
}
```

A - 12

- B 4
- C 8
- D Compile error

Q 8 - What is the output of the following program?

```
#include<isotream>
using namespace std;
class abc {
   public:
      static int x;
      int i;
      abc() {
        i = ++x;
        }
};
```

```
int abc::x;
main() {
    abc m, n, p;
    cout<<m.x<<" "<<m.i<<endl;
}
A-31
```

B - 3 3 C - 1 1

D - 1 3

Q 9 - A constructor can be virtual.

A - True

B - False

Q 10 - Choose the operator which cannot be overloaded.

A - /

В-

C - ::

D - %

Q 11 - Which operator is required to be overloaded as member function only? A - _

В-__

C - ++ postfixversion

D - =

Q 12 - Which of the following is not the keyword in C++?

- A volatile
- B friend
- C extends
- D this

Q 13 - What is the output of the following program?

```
#include<isotream>
```

```
using namespace std;
class abc {
```

```
public:
    int i;
    abc(int i) {
        i = i;
    }
};
main() {
    abc m(5);
    cout<<m.i;
}
```

A - 5

B - Garbage

- C Error at the statement i=i;
- D Compile error: 'i' declared twice.

Q 14 - By default the members of the structure are

- A private
- B protected
- C public
- D Access specifiers not applicable for structures.

Q 15 - From the below class choose the proper definition of the member function f.

```
template <class T>
class abc {
   void f();
};
```

A - template <class T>

void abc<T>::f { }

B - template < class T>

```
void abc::f { }
```

C - template<T>

void abc<class T>::f { }

D - template<T>

```
void abc<T>::f { }
```

Q 16 - Choose the respective delete operator usage for the expression 'ptr=new int[100]'.

A - delete ptr;

- B delete ptr[];
- C delete[] ptr;
- D []delete ptr;

Q 17 - 'cin' is an ___

- A Class
- B Object
- C Package
- D Namespace

Q 18 - The operator used to access member function of a structure using its object.

- Α-.
- B ->
- C *
- D None of the above.

Q 19 - A user defined header file is included by following statement in general.

- A #include "file.h"
- B #include <file.h>
- C #include <file>
- D #include file.h

Q 20 - Which data type can be used to hold a wide character in C++?

- A unsigned char;
- B int
- C wchar_t
- D none of the above.

Q 21 - Which is the storage specifier used to modify the member variable even though the class object is a constant object?

- A auto
- B register
- C static
- D mutable

Q 22 - The following operator can be used to calculate the value of one number raised to another.

- A ^
- B **
- C ^^

D -None of the above

Q 23 - Pick up the valid declaration for overloading ++ in postfix form where T is the class name.

- A T operator++;
- B T operator++int;
- C T& operator++;
- D T& operator++int;

Q 24 - We can have varying number of arguments for the overloaded form of operator.

- A True
- B False

Q 25 - Operators sizeof and ?:

- A Both can be overloaded
- B Both cannot be overloaded
- C Only sizeof can be overloaded
- D Only ?: can be overloaded

ANSWER SHEET

Question Number	Answer Key
1	В
2	С
3	D
4	A
5	D
6	В
7	В
8	А
9	В

10	С	
11	D	
12	С	
13	В	
14	С	
15	А	
16	С	
17	В	
18	А	
19	А	
20	С	
21	D	
22	D	
23	В	
24	А	
25	В	
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