



Free Questions for CPA-21-02 by certscare

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Question 1

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
using namespace std;
```

```
namespace myNamespace1
```

```
{
```

```
int x = 5;
```

```
int y = 10;
```

```
}
```

```
namespace myNamespace2
```

```
{
```

```
float x = 3.14;
```

```
float y = 1.5;
```

```
}  
  
int main () {  
  
namespace newname = myNamespace1;  
  
using namespace newname;  
  
cout  
  
cout  
  
return 0;  
  
}
```

Options:

- A- It prints: 5 1.5
- B- It prints: 3.14 1.5
- C- It prints: 5 10
- D- It prints: 5

Answer:

C

Question 2

Question Type: MultipleChoice

What is the output of the program if characters 'h', 'e', 'l', 'l', 'o' and enter are supplied as input?

```
#include
```

```
#include
```

```
using namespace std;
```

```
void f();
```

```
int main()
```

```
{
```

```
f();
```

```
return 0;
```

```
}
```

```
void f()
```

```
{  
char c;  
c = cin.get();  
cout  
if(c != '\n')  
f();  
}
```

Options:

- A- It prints: hello
- B- It prints: olleh
- C- It prints: h
- D- It prints: o

Answer:

A

Question 3

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
using namespace std;
```

```
class Base
```

```
{
```

```
string s;
```

```
public:
```

```
Base() { s="Sample text";}
```

```
Base(string s) { this->s=s; }
```

```
void Print() { cout
```

```
};
```

```
int main()
{
Base *o = new Base();
o->Print();
}
```

Options:

- A- It prints: Sample text
- B- It prints: Sample
- C- It prints: text
- D- None of these

Answer:

A

Question 4

Question Type: MultipleChoice

What is the output of the program?

```
#include
```

```
using namespace std;
```

```
class BaseC
```

```
{
```

```
int i;
```

```
public:
```

```
BaseC() { i=?1;}
```

```
BaseC(int i) { i=i; }
```

```
void seti(int a) { i = a; };
```

```
void Print() { cout
```

```
};
```

```
int main()
```

```
{
```



```
BaseC *o = new BaseC();
```

```
o?>seti(10);
```

```
o?>Print();
```

```
}
```

Options:

A- It prints: 10

B- It prints: ?1

C- It prints: 0

D- Compilation error

Answer:

A

Question 5

Question Type: MultipleChoice

What will happen when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
using namespace std;
```

```
int fun(int);
```

```
int main()
```

```
{
```

```
int *x = new int;
```

```
*x=10;
```

```
cout
```

```
return 0;
```

```
}
```

```
int fun(int i)
```

```
{
```

```
return i*i;
```

```
}
```

Options:

- A- It will print: 100
- B- It will print: 101
- C- It will print: 10
- D- It will print: 1

Answer:

A

Question 6

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
using namespace std;

struct Person {

string name;

int age;

};

class First

{

Person *person;

public:

First() {person = new Person;

person->name = "John";

person->age = 30;

}

void Print(){

cout<<name <<age;
```

```
}  
};  
  
int main()  
{  
    First t[2];  
    for (int i=0; i  
        t[i].Print();  
}
```

Options:

- A- It prints: 30
- B- It prints: John
- C- It prints: John 31
- D- It prints: John 30John 30

Answer:

D

Question 7

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
using namespace std;
```

```
int fun(int x) {
```

```
    return 2*x;
```

```
}
```

```
int main(){
```

```
    int i;
```

```
    i = fun(0.5) || fun(0);
```

```
    cout
```

```
    return 0;
```

```
}
```

Options:

A- It prints: 0

B- It prints: 1

C- It prints: -1

D- Compilation error

Answer:

A

Question 8

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
using namespace std;

class A {

public:

int age;

A () { age=5; };

};

class B : private A {

string name;

public:

B () { name="Bob"; };

void Print() {

cout

}

};

int main () {
```



```
B b,*ob;  
  
ob = &b;  
  
ob?>age = 10;  
  
ob?>Print();  
  
return 0;  
  
}
```

Options:

- A- It prints: Bob55
- B- It prints: Bob1
- C- It prints: 10
- D- Compilation error

Answer:

D

Question 9

Question Type: MultipleChoice

Which of the following is a correct way to define the function fun() in the program below?

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int a[2][2];
```

```
fun(a);
```

```
return 0;
```

```
}
```

Options:

- A- void fun(int *p[2]) {}
- B- void fun(int *p[2][2]) {}
- C- void fun(int *p[][2]) {}
- D- void fun(int p[][2]) {}

Answer:

D

Question 10

Question Type: MultipleChoice

What is the output of the program if character "1" is supplied as input?

```
#include
```

```
using namespace std;
```

```
int main () {
```

```
int c;
```

```
cin >> c;
```

```
try
{
switch (c)
{
case 1:
throw 20;
case 2:
throw 5.2f;
case 3:
throw 'a';
}
}
catch (int e)
{ cout
catch (float e)
```

```
{ cout  
catch (...)  
{ cout  
return 0;  
}
```

Options:

- A- It prints: float exception. Exception Nr. 5.2
- B- It prints: int exception. Exception Nr. 20
- C- It prints: An exception occurred
- D- Compilation Error

Answer:

B

Question 11

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include  
  
using namespace std;  
  
int main()  
{  
    long int x,y=10;  
  
    double d;  
  
    d = 3.99;  
  
    x=(int) d;  
  
    cout  
  
    d=float (y);  
  
    cout  
  
    return 0;  
  
}
```

Options:

A- It prints: 3, 10

B- It prints: 3.99, 10

C- It prints: 4, 10.0

D- It prints: 4, 10

Answer:

A

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