Free Questions for CPA-21-02

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Question 1

Question Type: MultipleChoice

The following declaration:

int i = 0b10;

Options:

A- is invalid
B- sets variable i with an integer value equal to 10
C- sets variable i with an integer value equal to 2 (10 binary)
D- sets variable i with an integer value equal to 8 (10 octal)

Answer:

D

Question 2

Question Type: MultipleChoice

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

#include

using namespace std;

int op(int x, int y);

float op(int x, float y);

int main()

{

int i=1, j=2, k;

float f=0.3;

k = op(i, j);

cout<

return 0;

```
}
int op(int x, int y)
{
return x+y;
}
float op(int x, float y)
{
return x?y;
}
```

Options:

A- It prints: 3,1
B- It prints: 3,?0.3
C- It prints: 3,0
D- It prints: 0,0

Answer:

B

Question 3

Question Type: MultipleChoice

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

```
#include
using namespace std;
class Base {
static int age;
public:
Base () {};
~Base () {};
```

```
void setAge(int a=20) {age = a;}

void Print() { cout <

};

int Base::age=0;

int main () {

Base a;

a.setAge(10);

a.Print();

a.setAge();

a.Print();

return 0;

}
```

Options:

A- It prints: 10
B- It prints: 20
C- It prints: 1020
D- It prints: 2010

Answer:

C

Question 4

Question Type: MultipleChoice

Which code line inserted instead of the comment below will fix the program so that it produces the expected output and does not cause any memory leak?

Expected output:

```
12
```

Code:

```
#include <iostream>

using namespace std;

int main()
{
     int *p = new int[2] ;
     for (int i = 0 ; i < 2 ; i++)
     (
          p[i] = i + 1 ;
          cout << p[i] ;
     }
     // Insert line of code here
}
```

Options:

A- delete [] p;
B- delete p[];
C- delete p;
D- delete *p;

Answer:

A

Question 5

Question Type: MultipleChoice

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

#include

using namespace std;

int main()

{

int a=5;

cout <

}

Options:

A- It prints: 9
B- It prints: 9.9
C- Compilation error
D- None of these

Answer:

A

Question 6

Question Type: MultipleChoice

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

#include

using namespace std;

#define A 1

int main()

{

#if A

cout<