

**Exam Number/Code:**CPA

**Exam Name:**C++ Certified  
Associate Programmer

**Version:** Demo

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QUESTION NO: 1

What will the variable "age" be in class B?

```
class A {
int x;
protected:
int y;
public:
int age;
A () { age=5; };
};
class B : public A {
string name;
public:
B () { name="Bob"; };
void Print() {
cout << name << age;
}
};
```

- A. public
- B. private
- C. protected
- D. None of these

Answer: A

QUESTION NO: 2

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

```
#include <iostream>
#include <string>
using namespace std;
class complex{
double re, im;
public:
complex() : re(1),im(0.4) {}
complex operator?(complex &t);
void Print() { cout << re << " " << im; }
};
complex complex::operator? (complex &t){
complex temp;
temp.re = this?>re ? t.re;
temp.im = this?>im ? t.im;
return temp;
```

```

}
int main(){
complex c1,c2,c3;
c3 = c1 ? c2;
c3.Print();
}

```

- A. It prints: 1 0.4
- B. It prints: 2 0.8
- C. It prints: 0 0
- D. It prints: 1 0.8

Answer: C

#### QUESTION NO: 3

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

```

#include <iostream>
using namespace std;
class complex{
double re;
double im;
public:
complex() : re(0),im(0) {}
complex(double x) { re=x,im=x;};
complex(double x,double y) { re=x,im=y;}
void print() { cout << re << " " << im;}
};
int main(){
complex c1;
c1 = 3.0;
c1.print();
return 0;
}

```

- A. It prints: 0 0
- B. It prints: 1 1
- C. It prints: 3 3
- D. Compilation error

Answer: C

#### QUESTION NO: 4

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

```
#include <iostream>
using namespace std;
void fun(int);
int main()
{
int a=0;
fun(a);
return 0;
}
void fun(int n)
{
if(n < 2)
{
fun(++n);
cout << n;
}
}
```

- A. It prints: 21
- B. It prints: 012
- C. It prints: 0
- D. None of these

Answer: A

QUESTION NO: 5

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

```
#include <iostream>
using namespace std;
int s(int n);
int main()
{
int a;
a = 3;
cout << s(a);
return 0;
}
int s(int n)
{
if(n == 0) return 1;
return s(n?1)*n;
}
```

- A. It prints: 4
- B. It prints: 6
- C. It prints: 3
- D. It prints: 0

Answer: B