

Computer Programming (CS - C) - Fall 2018
Quiz - 4

Total Marks: 10

Total Time:

10 Minutes

Name: _____

Roll No:

Question: For the code segment given below identify output or error. In case of error highlight the line that will cause the error.

```
#include<iostream>

using namespace std;

class A
{
private:
    int a;
public:
    A(int x = 10) { a = x; cout << "A() called.\n"; }
    ~A() { cout << "~A() called for a = " << a << endl; }
    void Print() { cout << "a = " << a << endl; }
};

class B
{
private:
    int b;
    A a;
    A* aptr;

public:
    B(){ b = 0; aptr = 0; cout << "B() called." << endl; }
    B(int x, A obj) :a(obj)
    {
        b = x;
        aptr = 0;
        cout << "B() called for b = " << b << endl;
    }
};
```

```
    }  
    void Print() { cout << "b = " << b<<endl; a.Print();  
        if(aptr != 0) aptr->Print();  
    }  
    ~B(){ cout << "~B() called for b = " << b << endl; }  
};  
void main()  
{  
    A a1(5);  
    B b1(10, a1);  
    cout<<"-----\n";  
    b1.Print();  
}
```

Output/Error: