

# Object Oriented Programming with C++

## External Practical Exam

**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY &**  
**RESEARCH**

RUSHIK RATHOD

20DCS103 DEPSTAR CSE : 2 - Batch : B

**1)****PROGRAM CODE:**

// Practical 1

#include &lt;iostream&gt;

using namespace std;

class A //base class 1

{

int a;

public :

A(int x) //constructor

{

cout &lt;&lt; endl &lt;&lt; "Constructor of class A called" &lt;&lt; endl;

a=x;

cout &lt;&lt; "a = " &lt;&lt; a &lt;&lt; endl;

}

};

class B //base class 2

{

int b;

public :

B(int y) //constructor

{

cout &lt;&lt; endl &lt;&lt; "Constructor of class B called" &lt;&lt; endl;

```
        b=y;
        cout << "b = " << b << endl;
    }
};

class C:public A, public B //derived class
{
    int c;
public :
    C(int x, int y, int z):A(x),B(y) //constructor
    {
        cout << endl << "Constructor of class C called" << endl;
        c=z;
        cout << "c = " << c << endl;
    }
};

int main()
{
    C t1(10,20,30); // creating an object of a derived class
    return 0;
}
```

## OUTPUT:

```
Constructor of class A called  
a = 10  
  
Constructor of class B called  
b = 20  
  
Constructor of class C called  
c = 30  
  
Process returned 0 (0x0)   execution time : 0.069 s  
Press any key to continue.
```

**Thank you...**