**PART A**

**5.Write a C++ program to demonstrate to uses of constructors in derived class concept.**

**(Any inheritance you can use but constructors in base class should have at least one parameter.)**

#include <iostream>

using namespace std;

class Alpha

{

protected:

int n1;

public:

Alpha(int x)

{

cout<<"Alpha constructed"<<endl;

n1=x;

}

void putAlpha()

{

cout<<"n1: "<<n1<<endl;

} };

class Beta

{

protected:

int n2;

public:

Beta(int x)

{

cout<<"Beta Constructed"<<endl;

n2=x;

}

void putBeta()

{

cout<<"n2: "<<n2<<endl;

} };

class Gama:public Alpha,public Beta

{

int n3;

public:

Gama(int x,int y,int z):

Alpha(x),

Beta(y)

{

cout<<"Gama Constructed"<<endl;

n3=z;

}

void putGama()

{

cout<<"n3: "<<n3<<endl;}};

int main()

{

Gama g1(10,20,30);

g1.putAlpha();

g1.putBeta();

g1.putGama();

return 0; }