Jaypee University of Engineering and Technology

B. Tech. (CSE) - II Semester

Object Oriented Programming (18B11CI211)

Tutorial – 8(Polymorphism)

## Q1 What is Polymorphism in C++? How many types of polymorphism? Explain with the help of suitable example.

## Q2 Define abstract class and pure virtual function.

Q3What is output of the following program?

class student

{

public:int marks;

voiddisp()

{

cout<<”its base class”

};

classtopper:public student

{

public:

voiddisp()

{

cout<<”Its derived class”;

}

}

voidmain(){ student s; topper t;

s.disp();

t.disp();

}

Q4 Find the output of the following program.

class education

{

charname[10];

public:disp()

{

cout<<”Its education system”;

}

classschool:public education

{

public:voiddsip()

{

cout<<”Its school education system”;

}

};

voidmain()

{

school s;

s.disp();

}

}

Q5 What will be the output of following code?

#include <iostream>

using namespace std;

class Base

{

public:

~Base() {cout<< "Base Destructor"; }

};

class Derived:public Base

{

public:

~Derived() { cout<< "Derived Destructor"; }

};

intmain()

{

Base\* b = new Derived;

delete b;

return 0;

}