

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- February 2018

B.Tech IVth Semester

COURSE CODE: 10B11CI311

MAX. MARKS: 15

COURSE NAME: Object Oriented Programming

COURSE CREDITS: 4

MAX. TIME: 1 Hr

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Section-A (6 X 1 = 6)

- Q1. Distinguish between class and object
 Q2. What is the advantage of an inline function?
 Q3. What are the advantages of Object oriented Programming over Structured Programming?
 Q4. Define the keyword static in C++?
 Q5. Define Polymorphism?
 Q6. What is an access modifier?

Section-B (4 X 1 = 4)

Q1 Find Error/Output in following code:

a) class example

```
{
    float x;
    public:
    void example ();
    example(int, float);
};
```

c) void main()

```
{
    int a,b;
    cin<<a;
    b=a;
    cout <<"b=",a;
};
```

b) #include<iostream>

```
using namespace std;
void main(){
    integer a;
    float b;
};
```

d) int main ()

```
{
    int x = 24, y = 39, z = 45;
    z = x + y;
    y = z - y;
    x = z - y;
    printf ("n%d %d %d", x, y, z);
}
```

Section-C (2.5 X 2 = 5)

- Q1. Differentiate between private, protected, public access modifiers with examples? Explain the various types of constructors that are available in C++ with suitable examples?
 Q2. Write a C++ program to find the area of the square, rectangle, circle using function overloading.