

Islamia University Bahawalpur

DEPARTMENT OF COMPUTER SCIENCE & IT

Course Title: Object Oriented Programming
Course Code: CSIT-108
Class: BSIT (2nd)
Roll No: _____

Course Instructor: Hina Faryal
Term: Mid Term
Marks: 10
Name: _____

OBJECTIVE

1. Which of the following mechanisms is/are provided by Object Oriented Language to implement Object Oriented Model?

- a) Encapsulation b) Inheritance c) Polymorphism d) All of the mentioned

2) What will be the output of following program?

```
#include<iostream.h>
void main()
{
    float x;
    x=(float)9/2;
    cout<<x;
}
```

- a) 4 b) 4.0 c) 4.5 d) 5

3) The term _____ means the ability to take many forms.

- a) Polymorphism b) Inheritance c) Encapsulation d) Member Function

4) Additional information sent when an exception is thrown may be placed in

- a) The throw keyword b) The function that caused the error
c) The catch block d) An object of the exception class

5) A static data member is given a value

- a) Within the class definition b) Outside the class definition c) When the program is executed d) Never

6) The members of a class by default are

- a) Public b) Protected c) Private d) Mandatory to specify

7) The operator that cannot be overloaded is

- a) + b) :: c) ~ d) ()

8) The following can be declared as friend in a class

- a) An object b) A Class c) A public data member d) A private data member

9) Exception handling is targeted at

- a) Run-time Error b) Compile time Error c) Logical Error d) All

10) _____ members of a base class are never accessible to a derived class.

- a) Protected b) Public c) private d) A & B

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SUBJECTIVE

Course Instructor: Hina Faryal

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Q No2: Give Short Answers of the following questions.

(5*3=15)

1. What is OOP? Also explain its Features?
2. Explain Constructors and Destructors with an example.
3. Describe Exception handling for a class with an example.
4. What is a friend function with an example?
5. Describe new operator and delete operator with an example

Q No 3: Define the terms class and object. Write a C++ program to define a class called distance with feet and inches as data members and get(), put() and add() as members to read. Display and add two distance objects.

(5 marks)