



FCIS – Ain Shams University

Subject: Object Oriented Programming

Exam: (Midterm) 07/12/2020 Year: (1st term) 2nd undergraduate Examiner: Mohamed Mabrouk Program: Credit Hours Program Academic year: 2020-2021

(Total points: 100)

Duration: 45 minutes

Answer the following ... questions:

1st Question marks: 50

Choose the best answer:

1- The two forms of polymorphism are

a. Inheritance and overloading

c. Overriding and casting

b. Overriding and overloading

d. Inheritance and overriding

2- The default access specifier for data members without any specifier in Java is _____

a. Private

b. Package local

c. Protected

d. Public

3- For method overloading, the following can be used to change method signature

a. Return type or number of parameters

b. Number of parameters or parameter types

c. Return type only

d. Parameter types only

4- Static methods can NOT be declared abstract. State True or False.?

a. True

b. False

c. May be

d. Can't say

5- Strings are immutable. State True or False.?

a. True

b. False

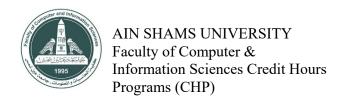
c. May be

d. Can't say

2nd Question marks: 50

What is the expected output of the following program?

```
class Animal{
     void message(){System.out.println("I'm an animal");}
}
class Dog extends Animal{
     void message(){System.out.println("I'm a dog");}
}
```





I'm an animal
I'm a cat
I'm a dog
I'm an animal

With My Best Regards.

Mohamed Mabrouk