**Total Questions: 12** 



### Java 111 Chapter 7 (from version 1)

Most Correct Answers: **#3**Least Correct Answers: **#2** 



- 5/6 A True
- 0/6 B False

### 2. Which of the following are true?

- You can write a new instance method in the subclass that has the same signature as the one in the superclass, thus overriding it.
- 5/6 B You can declare new methods in the subclass that are not in the superclass.
- You can declare new fields in the subclass that are not in the superclass.
- 0/6 D None of the above.

#### 3. The 'IS-A' test can be used to determine whether an item:

- 5/6 A is a subclass
- 0/6 (B) should be a method
- **0/6** (C) is an attribute
- 0/6 D should be overridden

# 4. Considering the code, which of the following is true? public class Cat extends Animal { . . . }

- 0/6 (A) Cat 'has-a' Animal
- 5/6 B Cat 'is-a' Animal
- 0/6 C Animal 'is-a' Cat
- 0/6 (D) Cat 'has-a' Cat

## 5. A kumquat is:

- 1/6 (A) An orange
- **0/6** (B) A Grape
- 0/6 (c) Both
- 4/6 D Citrus

6.	A subclass can use the "extends" keyword to extend multiple superclasses.	
0/6	A True	
5/6	B False	
7. A superclass called Fruit contains a method called display() that outputs a message to the terminal. Apple is a subclass of Fruit. Which code segment IN THE SUBCLASS Apple will successfully call that method?		
4/6		
0/6	B Fruit.display();	
0/6		
1/6		
8.	Which of the following are true with regard to inheritance?	
1/6	(A) A subclass must have methods or instance variables in its source code	
3/6	B A subclass is can be a superclass to another class	
5/6	A subclass is able to override methods of a superclass	
5/6	A subclass inherits instance variables and methods from a superclass	
9. A superclass with a method that has the same header as a subclass will override		
the subclass' method.		
0/6	A True	
5/6	B False	
10. You have two classes show below. If you run a test drive and create a Surgeon object and call the treatPatient method, what will the output be?		
0/6	A Pop some pills	wblic class Doctor { boolean worksAMOspital;} vold treatPatient() {
0/6	B Pop some pills I'm going to put you under and perform surgery	your Crear Allowin, "Sixtle" Pop some pills");  "Dystem.com.or.sixtle" Pop some pills");  bublic class Surgeon extends Doctor {  void treatPatient() {  System.or.circlitic" 'I' m going to put you under and perform surgery");  System.or.circlitic" i'm going to put you under and perform surgery");
4/6	I'm going to put you under and perform surgery	}  void make Tecision() {    System.out.printle("Seip, Seip"); }  system.out.printle("Seip, Seip");
1/6	D I'm going to put you under and perform surgery Snip, Snip	

#### 11. Method "overloading" is when:

- 1/6 A Two or more methods have the same name, and the same number and type of parameters, but different return types
- 3/6 B Two or more methods have the same name but different numbers or types of parameters
- 0/6 (C) A method can take any number of arguments of the same type
- 1/6 (D) A method calls the method of the same name of its superclass

# 12. Assuming the upper code is part of a Thing class and the lower code has an instance of the class called thing, what will the result be?

- **0/6** (A) Twice thing's value is: 40
- 2/6 (B) Twice thing's value is: 2020
- 0/6 (c) The code will not run
- 3/6 D The code will not compile

