Question **1**Correct

Mark 1.00 out of 1.00

Flag question

Edit question

The final modifier applied to the header of the following method:

public void method(final int[] x, int y){...}

Select one:

- o a. Indicates that variable y cannot take any of the values contained in the array received as parameter.
- b. Indicates that this method cannot be overriden in subclasses.
- o c. Indicates that the values in the array received as parameter cannot be modified inside this method.
- O d. Indicates that the values in the array received as parameter cannot be modified nowhere in the program.

Question **2**Correct

Mark 1.00 out of 1.00

Edit question

Which of the following sentences about constructors is correct?

Select one:

- o a. Constructors can be overloaded but cannot be overriden.
- b. All the classes have two constructors by default, one that does not receive any parameters, and another one
 that initializes all the attributes defined in the class
- o. If we want to call the constructor of the superclass we need to add the super(...) statement in the last line of the constructor of the subclass.
- O d. Constructors can have a return type different from void.

Question **3**Correct

Mark 1.00 out of 1.00

Edit question

Given the following code and the test class, what branch coverage is achieved?

```
public class C {
       public static int m(int a){
               if (a>0){
                       return 1;
               } else if (a<0){
                       return -1;
               } else{
                       return 0;
               }
       }
}
public class CTest {
       @Test
       public void test() {
               assertEquals(C.m(2), 1);
               assertEquals(C.m(-7), -1);
               assertEquals(C.m(0), 0);
       }
}
```

Select one:

- a. 66.6%
- o b. 50%
- o c. 100%
- od. 75%

Question **4**Correct

Mark 1.00 out of 1.00

Edit question

Select the set of values that can be used as input for the black-box testing of a method that calculates the factorial of a number.

Select one:

- o a. 22, 0, 15
- o b. 5, -3, 1, -127, 48
- o. 1, 12, 7, -100, 100
- o d. 47, 1, -30, 0

public class A {



Mark 1.00 out of 1.00

Flag question

Edit question

```
Given classes A and B (both in different files), what is printed on the screen when class B is executed?
```

Select one:

- o a. 0-2
- o b. 0-1
- o. 2-1
- Od. The program contains a compilation error that prevents its execution.

Question **6**Correct

Mark 1.00 out of 1.00

Edit question

The following code:

```
public class C{
        public static void main(String[] args) {
            m();
        }
        private void m() {
        }
}
```

Select one:

- a. is incorrect because m() cannot be accessed from the main() method, since m() is a private method.
- o b. is incorrect because a non-static method cannot be directly called from a static method.
- oc. is incorrect because m() must be called using C.m().
- od. is correct.

