Q4 * Required

- 1. Surname and Name and ID *
- Which of the following combinations is correct if you want to run the method read() once before the method testView() and once before the method testSelect()? Mark only one oval.

@BeforeClass read() @test testView() @test testSelect()

- @BeforeClass read() testView() testSelect()
- X) @Before read() @test testView() @test testSelect()
- @Before read() @test testView() testSelect()
- 3. What is the halting problem? Given any program P and any input 1 it is not decidable if

Mark only one oval.

 $\overline{\mathbf{X}}$ P will eventually halt when it runs with I or run forever

P will eventually execute when run with I or throw an exception when it runs with that input

- P will eventually re-throw an exception when it runs with I
- P will eventually throw an exception when it runs with that input
- 4. What of the following is not strictly about verification but requires validation?

Mark only one oval.

- A word processor saves text when you click save
- A word processor saves into a file when you click save
- $\overline{\mathbf{X}}$ A word processor saves text into a .txt file when you click save
- A word processor prints a text when you click save

5. What this code does?

TransformerFactory transformerFactory = TransformerFactory.newInstance(); *Mark only one oval.*

Create a Factory class that will build a builder that in turn creates a txt document

(X) Create a Factory class that will build a builder that in turn creates an XML document

Create a Factory class that will build a builder that in turn creates a java document

Create a Factory class that will build a builder that in turn creates a DOM document

6. Which one is true?

To have the compiler checking an exception class, *Mark only one oval.*



you need to throw it from the body of a method

you need to throw it from a try block

-) you need to use "throw" in the signature of a method
- X no

) none of the above statements

7. What is the dynamic enclosing scope (DES) of a statement?

hint: it has always to be true *Mark only one oval.*

- χ The piece of memory on the stack of the block that contains it
- The piece of memory on the heap of the block that contains it
- The AR of the main method
- The AR of any method

8. Which one is false?

Mark only one oval.

 \underline{X} The catch of the child exception is never reached if it comes before the catch of the parent exception

- There can exist a try block with no catch
- Throwable is the parent class of all the exceptions
- To use try-with-resources the resources classes must implement closeable (I)

9. What does it mean matching an exception?

Mark only one oval.



type

Throwing an object from a try block

The compiler checks the type in the signature of a method

- It is another way to say precision re-throwing
- X Referencing the exception object from the reference variable of the corresponding

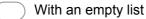
10. How do you get the information about where an exception has been thrown and not caught?

Mark only one oval.

- From the compiler
- X From the stack trace
- From the verifier of the JRE
- From Scanner.getInfo()

11. How would you best test the functionality "selectExam"?

The input is ArrayList<Exam> list; describe the object *Mark only one oval.*



With an empty list, a list of objects of type Exam that have not been selected, and a list objects of type Exam that have been already selected

With an empty list and a list with a combination of objects of type Exam that have already been selected and those have not been selected

 \mathbf{X} All the choices above



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