

Quiz 1

Only one answer is correct

* Required

1. **Name Surname and ID ***

2. **What is the goal of testing? ***

Mark only one oval.

- To fix bugs in the shortest time possible
- To fix as many bugs as possible
- Executing a program with the intent to find errors
- Executing a program with the intent to raise exceptions

3. **What is the goal of alpha testing? ***

Mark only one oval.

- Verify all the alpha programs for a given operational profile
- Verify a program with as many users as possible for a given operational profile
- Verify a program in a controlled environment to capture pre-defined operation profiles
- Verify a program in a real environment to capture operations profiles

4. **Which of the following questions pertains to verification? ***

Mark only one oval.

- Are we developing the product on time?
- Are we developing the product on budget?
- Are we developing the right product?
- Are we developing the product right?

5. **Which of these statement is correct? ***

Mark only one oval.

- To verify safety, specifications need to explicitly describe a hazard
- A product that is not robust can be safe
- To verify robustness, the specifications must explicitly mention the duration of the function degradation
- To verify reliability, we need to be 100% correct

6. **Why any verification technique has some inaccuracy? Because... ***

Mark only one oval.

- It is undecidable whether the same verification technique verifies all existing programs
- It is undecidable whether a verification technique verifies a program in finite time
- Anytime testers verify a program they inject new errors
- Developers are human beings

7. **A technique states " a program is correct if all its statements are covered by test cases". Which type of inaccuracy does it have and why? ***

Mark only one oval.

- Pessimistic as errors for specific input values never occur
- Pessimistic as it reports errors for correct programs
- Optimistic as errors for specific input values can still occur
- Optimistic as methods that return void cannot be verified