

Unit 1 Quiz

Question 1

True or False? Reliability is the probability that a software program operates for some given time period without software error.

- True

Question 2

True or False? Testing is the examination of the behavior of the program by executing it on all of the possible data sets.

- False, not **all possible data sets**, just a sample of data

Question 3

In a traditional phase driven waterfall model, when does the test phase start?

- After the coding phase is complete.

Question 4

True or False? Certified software testers should ensure that the deliverables they provide meet the highest professional standards possible.

- True

Question 5

In test driven development, what is the equivalent of gathering requirements during the software development process?

- Gathering testing objectives (What do we want testing to accomplish? Stress, usability, etc)

Question 6

True or False? The objective of integration testing is to test units and components as a group to determine if they can perform higher level functions and features.

- True

Question 7

True or False? Acceptance testing is typically done by the customer themselves.

- True

Question 8

True or False? Functional testing looks at performance requirements, usability, etc.

- False. Functional testing looks at Verification, validation, making sure the software does what it's supposed to be doing. **Nonfunctional testing** looks at "ilities". secure, performance, usable. Higher levels of testing.

Question 9

Testing only shows the:

- Presence of errors, not the presence of correctness or the absence of errors.

Question 10

True or False? Does an absence of errors in a program show that the right product was built (validation)?

- False. The absence of errors in a program show that the software built the product right (verification). This is an example of verification vs validation. Verification: "Are we building the product right?". Validation: "Are we building the right product?". The absence of errors shows that we built the software correctly, but not necessarily that we solved the customer's problem.