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iSQI CTFL Foundation

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QUESTION NO: 1

Which of the following tool types is the most useful one for a test manager?

- A. Modeling tool
- B. Static analysis tool
- C. Coverage measurement tool
- D. Defect tracking tool

ANSWER: D**QUESTION NO: 2**

Test Driven development means

- A. Development progress is allowed only upon successful completion of tests in previous stage
- B. Automated tests written by test engineers
- C. An approach in which test cases are written and sometimes even automated before coding
- D. Development of test cases by programmers rather than test engineers

ANSWER: D**QUESTION NO: 3**

Which of the following statements describes regression testing?

- I. Retesting of a fixed defect
 - II. Testing of an already tested program
 - III. Testing of new functionality in a program
 - IV. Regression testing applies only to functional testing
 - V. Tests that do not have to be repeatable, because they are only used once
- A. II
 - B. II, IV, V

C. I, IV

D. I, III, IV

E. Retesting of a fixed defect

II. Testing of an already tested program

III. Testing of new functionality in a program

IV. Regression testing applies only to functional testing

F. Tests that do not have to be repeatable, because they are only used once

ANSWER: A

QUESTION NO: 4

Which of the following is NOT an example of a typical risk-based testing activity?

A. The evaluation of a risk-management tools to decide which tool to use for future projects

B. The focus of testing is shifted to an area in the system where tests find with more defects than expected

C. Brainstorming sessions are held with a wide variety of stakeholders to identify possible failures in the system

D. Tests are prioritized to ensure that those associated with critical parts of the system are executed earlier

ANSWER: C

QUESTION NO: 5

Which of the following are part of ISTQB code of ethics?

I. Certified software testers shall advance the integrity and reputation of the profession consistentwith the public interest.

II. Certified software testers shall always sign a NDA (Non-Disclosure Agreement) in presence ofcustomer data

III. Certified software testers shall maintain integrity and independency in their professionaljudgment

IV. Certified software testers shall act in a manner that is in the best interests of their client andemployer, consistent with the public interest

A. I, II, III

B. II, III, IV

C. I, II, IV

D. I, III, IV

- E. Certified software testers shall advance the integrity and reputation of the profession consistent with the public interest.
- II. Certified software testers shall always sign a NDA (Non-Disclosure Agreement) in presence of customer data
- III. Certified software testers shall maintain integrity and independency in their professional judgment
- IV. Certified software testers shall act in a manner that is in the best interests of their client and employer, consistent with the public interest

ANSWER: D

QUESTION NO: 6

Why is measurement of code coverage important?

- A. Because 100% code coverage implies 100% coverage of requirements
- B. Because 100% code coverage guarantees that there are no coding errors
- C. Because code coverage can be used to ensure that all code is exercised by tests
- D. Because code coverage can ensure that all decisions are correctly implemented in the code

ANSWER: A

QUESTION NO: 7

How can testing contribute to higher quality?

- A. Testing ensures that remaining defects are documented.
- B. Testing removes errors in the software.
- C. Testing helps to measure the quality of software.
- D. Testing eliminates the risk with software.

ANSWER: D

Explanation:

This doesn't always result in finding problems, but it does make future code changes and refactors less risky.

Reference: <https://blog.gurock.com/testers-contribute-to-quality/>

QUESTION NO: 8

Testing effort can depend on a number of factors, which one of the following is MOST likely to impact the amount of effort required?

- A. The predicted number of defects and the amount of network required
- B. The ratio of developers to testers in the project team
- C. The planned use of a project management tool to schedule tasks
- D. The responsibilities for testers and developers being clearly defined

ANSWER: C

QUESTION NO: 9

The following condition is given:

Integer x, y;

IF $x > 0$ AND $x < 100$ $y=y+x$;

END-IF

Using boundary analysis for x, which test cases are required?

- A. -1, 0, 1, 99, 100, 101
- B. -1, 0, 100, 101
- C. -500, -10, 0, 1, 99, 100, 101, 500
- D. 0, 1, 99, 100

ANSWER: A

QUESTION NO: 10

Which of the following are typical defects discovered by static analysis tools?

- A. Slow transaction times
- B. Variables that are never used
- C. Usability flaws in user interface design
- D. Non-functioning control buttons

ANSWER: B

QUESTION NO: 11

Which of the following statements is LEAST likely to be true of non-functional testing?

- A. It covers the evaluation of the interaction of various specified components.
- B. It tests “how” the system works.
- C. It may include testing the ease of modification of systems.
- D. It may be performed at unit, integration, system and acceptance test levels.

ANSWER: C**QUESTION NO: 12**

As the last stage of a test cycle of an embedded device, you are performing exploratory testing. You observed that some characters (A, X and Z) sent via a serial port to the device do not get registered on the device whereas they should be. You suspect that this could be due to a wrong configuration of the “bit parity” parameter.

Which of the following items of an incident report would you be UNABLE to write down based on this information?

- A. Test setup details
- B. Actual result
- C. Expected result
- D. Test case identifier

ANSWER: B**QUESTION NO: 13**

You have to specify test cases based on equivalence partitioning and boundary value analysis for an internet shop selling baby shoes. The shop provides a selection of shoes based on the following input parameters:

-There are 4 different sizes, depending on the age of the baby. The system selects the appropriate size based on the following criteria: 1. $0 < \text{age} \leq 4$ months: size 1

2. $4 < \text{age} \leq 8$ months: size 2

3. $8 < \text{age} \leq 15$ months: size 3

4. $15 < \text{age} \leq 24$ months: size 4

-The gender of the baby: boy or girl

Which of the following statements is true?

- A. The total number of combinations of valid equivalence classes of age and gender is 8.
- B. There are two invalid equivalence classes for the age input parameter: age ≤ 0 , and age > 25
- C. All combinations of valid equivalence classes could be covered with 4 test cases.
- D. All valid equivalence classes could be covered with 6 test cases.

ANSWER: D

QUESTION NO: 14

A program got 100% decision coverage in a test. Which of the following statements is then guaranteed to be true?

- A. Every output equivalence class has been tested.
- B. Every input equivalence class has been tested.
- C. The “dead” code has not been covered.
- D. Every executable statement is covered.

ANSWER: D

QUESTION NO: 15

In maintenance testing, what is the relationship between impact analysis and regression testing?

- A. Impact analysis requires a regression testing for all program elements which were newly integrated (new functionalities).
- B. Impact analysis requires a regression testing for only the tests that have detected faults in previous SW release.
- C. There is no relationship between impact analysis and regression testing.
- D. The impact analysis is used to evaluate the amount of regression testing to be performed.

ANSWER: D

Explanation:

It helps to analyze what level of regression testing is required.

Reference: <https://www.guru99.com/impact-analysis-software-testing.html>