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iSQI CTFL Foundation

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QUESTION NO: 1

The following program is given:

IF (condition 1) OR (condition 2)

DO (action 1)

ELSE

IF (condition 3) AND (condition 4)

DO (action 2)

DO (action 3)

ELSE

DO (action 4)

END-IF

END-IF

How many test cases are necessary in order to achieve 100% statement coverage?

A. 5

B. 6

C. 4

D. 3

ANSWER: D**QUESTION NO: 2**

During the development of a software change for a system, the developer makes a mistake in his work, which leads to a fault in the code. Unfortunately the fault is not found by software testing and is released into live.

What is the definite consequence of this mistake?

A. The system will fail, causing a defect.

B. If the defect is executed, the system may fail.

C. Loss of money, time, or business reputation.

D. Contractual requirements have not been met by testing.

ANSWER: B**QUESTION NO: 3**

Testing should provide sufficient information to stakeholders to make informed decisions about the release of the software or system being tested. At which of the following fundamental test process activity the sufficiency of the testing and the resulting information are assessed?

- A. Implementation and execution
- B. Requirements specification
- C. Evaluating exit criteria and reporting
- D. Analysis and design

ANSWER: C**QUESTION NO: 4**

Which of the following options describe the causal chain in the correct sequence?

- A. Error, fault, failure
- B. Fault, bug, mistake
- C. Mistake, failure, fault
- D. Failure, bug, error

ANSWER: A**QUESTION NO: 5**

Which of the following statements about Use Case Testing is FALSE?

- A. Use case generally has a mainstream scenario and may have many alternate or exceptional scenarios.
- B. A use case can be defined at the abstract level, detached from the implementation, or at the system level, describing a set of executed functions
- C. Use case testing does not find defects caused by interaction of different components
- D. Each use case has preconditions which need to be met for the use case to work successfully

ANSWER: C

Explanation:

Reference: <http://tryqa.com/what-is-use-case-testing-in-software-testing/>

QUESTION NO: 6

Why is it difficult to succeed in test execution automation?

- A.** Because only some testers are skilled in test automation
- B.** Because the test automation needs to be supported by a test management tool.
- C.** Because of the effort associated with maintenance of the test scripts
- D.** Because the test automation tools are restricted in their ability to recognize outputs.

ANSWER: C

QUESTION NO: 7

A company wants to enforce use of coding standards.

Which type of test tool would you recommend for this purpose?

- A.** Test execution tool
- B.** Modeling tool
- C.** Configuration management tool
- D.** Static analysis tool

ANSWER: B

QUESTION NO: 8

Which of the following would NOT be a common metric used for monitoring test preparation and execution?

- A.** Number of Test cases passed and failed
- B.** Percentage of planned test cases designed
- C.** Number of test plan review comments

D. Percentage of tasks complete in test environment preparation

ANSWER: B

QUESTION NO: 9

Which of the following is NOT a success factor for reviews?

- A. Outcome of review can be used for the author's evaluation
- B. Each review has clear predefined objectives
- C. Each review involves reviewers with background and knowledge most suitable for the review objective
- D. Defects found are welcomed and expressed objectively

ANSWER: A

Explanation:

Outcome will not be used for the evaluation of the participants.

Reference: <https://istqbfoundation.wordpress.com/2017/09/18/success-factors-for-reviews/>

QUESTION NO: 10

Which of the following statements is a basic testing principle?

- A. Testing always enhances the software's quality
- B. The number of detected defects is proportional to the hours invested in testing
- C. Testing can be effective only if done by an independent testing expert
- D. Testing cannot prove that there are no defects

ANSWER: D

QUESTION NO: 11

Which one of the following statements about testing techniques is TRUE?

- A. Exploratory testing can replace black box techniques when testing time is very limited
- B. Test execution scheduling should give priority to experienced based testing

- C. Specification based techniques can be used as a substitute for a poorly defined test basis
- D. Experienced based techniques are systematic and produce detailed test documentation

ANSWER: A

QUESTION NO: 12

Which of the following correctly describes the goal of Statement Testing?

- A. Reduce the number of tests needed to test the system
- B. Assess of the correctness of key statements in each module of the application
- C. Increase the percentage of executable statements that are exercised by a test set
- D. Assess the number of code statements needed to implement each feature

ANSWER: D

Explanation:

Reference: <https://www.guru99.com/code-coverage.html>

QUESTION NO: 13

Which of the following is a key characteristic of informal reviews?

- A. Metrics analysis
- B. Kick-off meeting
- C. Low cost
- D. Individual preparation

ANSWER: C

QUESTION NO: 14

Which of the following statements is true?

- I) Test planning activities include selecting the test object
- II) Test strategy implementation is NOT a part of test planning

- III) Choosing appropriate test techniques is part of test design
- IV) Test schedule and exit criteria modification are part of test planning
- A. I, IV**
- B. I, II**
- C. II, III**
- D. III, IV**

ANSWER: A

QUESTION NO: 15

Which of the following is NOT a characteristic of good testing, independent of the development life cycle model?

- A.** Each test level has objectives specific for the test level.
- B.** Testers are involved in reviewing documents as soon as drafts are available.
- C.** Every development activity is matched by a corresponding testing activity.
- D.** Testers are involved in reviewing documents as soon the documents are approved.

ANSWER: B