

CTFL v4.0 Dumps

SAMPLE

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**Syllabus CTFL v4.0
(2023)**

ISTQB Foundation Level

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SET A

SAMPLE

Question: A01

A typical objective of testing is to:

- A. Determine the most appropriate level of detail with which to design test cases
- B. Verify the compliance of the test object with regulatory requirements
- C. Plan test activities in accordance with the existing test policy and test strategy
- D. Verify the correct creation and configuration of the test environment

Question: A02

Which of the following is an advantage of the whole team approach?

- A. It helps avoid the risk of tasks associated with a user story not moving through the Agile task board at an acceptable rate during an iteration
- B. It helps team members understand the current status of an iteration by visualizing the amount of work left to do compared to the time allotted for the iteration
- C. It helps the whole team be more effective in test case design by requiring all team members to master all types of test techniques
- D. It helps team members develop better relationships with each other and make their collaboration more effective for the benefit of the project

Question: A03

An application is subjected to a constant load for an extended period of time as part of a performance test. While running this test, the response time of the application steadily slows down, which results in a requirement not being met. This slowdown is caused by a memory leak where the application code does not properly release some of the dynamically allocated memory when it is no longer needed.

Which of the following statements is true?

- A. The slowdown is a failure while the memory leak is a defect
- B. The slowdown is a defect while the memory leak is an error
- C. The slowdown is an error the memory leak is a defect
- D. The slowdown is a defect the memory leak is a failure

Question: A04

In addition to thorough testing of the requirements specification, a development team aims to involve users as early as possible in the development process, using practices such as prototyping, to ensure that the software systems being developed will meet the users' expectations. This approach is especially useful at mitigating the risks associated with one of the seven testing principles, which one?

- A. Tests wear out
- B. Absence-of-errors fallacy
- C. Working software over comprehensive documentation
- D. Defects cluster together

SET B

SAMPLE

Question: B01

You have been given the following story:

As a help desk worker

I want to enter a caller's birth date

So the system can display the caller's account information

As a team, you have developed the following table of acceptance criteria:

Positive	Negative	Non-Functional
Valid date / valid caller account retrieved	Valid date / no caller account found error	Usability - date format
Valid date / called account has been deleted	Invalid date / error	Performance - system responds within 2 seconds at average load
Valid date / multiple accounts retrieved	Valid date / account not retrieved due to error in account	Valid date / account not viewable by help desk worker - requires management
Leap date / valid caller account retrieved	Valid date but in wrong format / error	
Valid date / valid account but account information is very long	Attempt to retrieve account information when database is not available / error	

You have developed the following test cases and will execute them in the specified order:

1. Enter a valid date and verify that the account retrieved matches the birth date entered.
2. Enter an invalid date verify the error indicates the date is invalid
3. Verify that the date prompt is already formatted for the date with XX/XX/XX format
4. Enter a valid date and verify that two pages of account information are readable
5. Enter a valid date and verify that the response occurs within 2 seconds when the system is under an average load

What incorrect about this approach?

- A. The security test case should be executed first as it related to access control
- B. The test cases should contain all steps required for execution, including navigation Information and SQL statements required to perform the verification
- C. The test cases are not being executed in the proper order
- D. The test cases do not indicate the expected result

Question: B02

Which of the following is a valid test objective?

- A. Finding the stable areas of the code which do not require testing
- B. Debugging incidents to determine the cause of the problem
- C. Finding failures and defects in the test object
- D. Participating in code reviews to improve scripting skills

Question: B03

You are a functional tester, performing system testing of a flight reservation application. After logging into the system, you selected the "New Reservation" option on the main menu, and clicked the "Submit" button without making any changes to the default values on the screen.

The system charged your test credit card for \$523.00 instead of the expected \$1046.00. This happens every time you executed the test case. You are entering a defect into your system, and submitting it to development for correction.

Your defect report currently includes:

- The date of the incident
- The identity of the tester who discovered the incident
- The steps executed to cause the incident, noting 100% reproducibility
- The impact on the system and the priority of the defect
- The expected and actual results

What information missing from the defect report?

- A. The test environment in which the test was executed
- B. Test case expected results
- C. The name of the developer who should have caught their error in unit testing
- D. Frequency of occurrence

Question: B04

How is branch coverage determined?

- A. By taking the numbers of branches in the code that have been tested and dividing that by the number of the total branches in the code
- B. By taking the number of branches in the code on one path that has been tested and dividing that number by the total paths through the code
- C. By taking number of statements in the code and dividing those by the number of branches that have been tested
- D. By counting the number of branches in the code that have been tested

SET C

SAMPLE

Question: C01

A typical objective of testing is to ensure that:

- A. testing is used to drive the development of a software
- B. a software has been tested using a combination of test techniques
- C. there are no defects in a software that is about to be released
- D. a software has been properly covered

Question: C02

The whole-team approach:

- A. promotes the idea that all team members should have a thorough understanding of test techniques
- B. is a consensus-based approach that engages the whole team in estimating the user stories
- C. promotes the idea that all team members should be responsible for the quality of the product
- D. is mostly adopted in projects aimed at developing safety-critical systems, as it ensures the highest level of testing independence

Question: C03

Which of the following statements is true?

- A. A defect does not always produce a failure, while a bug always produces a failure
- B. A defect may cause a failure which, when occurring, always causes an error
- C. Failures can be caused by defects, but also by environmental conditions
- D. Bugs are defects found during component testing, while failures are defects found at higher test levels

Question: C04

The fact that defects are usually not evenly distributed among the various modules that make up a software application, but rather their distribution tends to reflect the Pareto principle:

- A. is a false myth
- B. is expressed by the testing principle referred to as 'Tests wear out'
- C. is expressed by the testing principle referred to as 'Defects cluster together'
- D. is expressed by the testing principle referred to as 'Bug prediction'

SET D

SAMPLE

Question: D01

Which of the following statements is NOT an objective of testing?

Select exactly one option (1 out of 4)!

- A. Create confidence in the quality of the test object.
- B. Check whether the test object is complete with regard to the requirements,
- C. Provide sufficient Information for stakeholders to make decisions
- D. Fix detects after they have been found and analyzed.

Question: D02

Which of the following statements is true?

Select exactly one option (1 out of 4)!

- A. Errors are the inevitable result of software failure.
- B. Defects in the program code may be caused by environmental conditions,
- C. Detects in the program code may result in failures in the program.
- D. Any deviation of the actual from the expected result represents an error.

Question: D03

Which statement corresponds to one of the 7 principles of testing in the CTFL syllabus?

Select exactly one option (1 out of 4)

- A. The application of exhaustive testing is a way to show the absence of defects-
- B. In order to detect new defects existing test cases have to be updated regularly.
- C. Late testing saves time and money, especially with scarce resources.
- D. Fixing all detected defects ensures the success of the system under test.

Question: D04

Which of the following statements about test activities of the test process is correct?

Select exactly one option (1 out of 4)!

- A. Test planning specifies with measurable coverage criteria, what needs to be tested.
- B. Test analysis evaluates the test base and the test elements, e. g, to identify inconsistencies.
- C. The test design develops and prioritizes test procedures and may create automated test scripts.
- D. The test realization answers the question of how to perform the test and the test procedure compares the results of the test with the expected results.

SET E

SAMPLE

Question: E01

Which ONE of the following is a correct statement about test tools that support testing?

- A. Tools that facilitate communication between developers and testers fall under management tool category
- B. Tools that support performance testing are static analysis tools
- C. Tools that support delivery at the installable software are part of DevOps tools category
- D. Tools that support test generation fall under management tools category

Question: E02

For a given set of test-cases, which of the following is a benefit of running these tests with a test automation tool?

- A. The number of found bugs is reduced.
- B. The time spent on repetitive tasks is reduced.
- C. Test coverage is increased.
- D. The total cost of the test project always decreases

Question: E03

Which sequence of state transitions is INCORRECT in accordance with the following description?

To provide for disaster recovery 3 system (designated as A) has been provided with a backup system (designated as B). Only one of them can be active at a time. When A goes down, B becomes active. When A comes back up then B becomes inactive and A becomes active again. However, when A is down and B also goes down then a message is sent to the system administrator. After this once A comes back up, A becomes active or if B comes up then B becomes Active.

- A. A is active and B is inactive. A goes down. B becomes active then B goes down. A is made active.
- B. A and B are both down then A and B both come back up at the same time. A should become the active system and B should be inactive.
- C. A comes up when B is active and A was down. Now A becomes active and B becomes inactive.
- D. A is active and B is inactive then A goes down, B becomes active.

Question: E04

Which of the following statements is CORRECT about error guessing?

- A. Fault attacks are an example of a technique for implementing error guessing.
- B. Error guessing doesn't make use of past failures as past failures are not indicators of correct defects
- C. While reviewing the test cases, testers have to make guess about the kind of mistakes test cases might contain
- D. Error guessing depends on the developers guessing what mistakes testers might make and miss the possible defects

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