

ISTQB-CTAL-TA Questions & Practice Test ISTQB-CTAL-TA Fee

Sample Exam – Questions

Sample Exam set A
Version 2.4

ISTQB® Test Analyst Syllabus Advanced Level

Compatible with Syllabus version 3.1

International Software Testing Qualifications Board



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>> ISTQB-CTAL-TA Questions <<

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ISTQB ISTQB-CTAL-TA exam is one of the most popular certification exams among software testing professionals. It is also known as the ISTQB CTAL-TA exam, and it is designed to test the advanced skills and knowledge of candidates in the field of software testing. The syllabus for the exam was last updated in 2012.

ISTQB-CTAL-TA (ISTQB CTAL-TA) Exam is a professional certification exam designed for software testing professionals who want to take their career to the next level. ISTQB-CTAL-TA Exam is based on the ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) and is recognized worldwide as a benchmark for testing professionals. ISTQB-CTAL-TA exam is intended to validate the advanced knowledge, skills, and expertise of test analysts in software testing.

ISTQB (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) Sample Questions (Q24-Q29):

NEW QUESTION # 24

A software component for a game application calculates a player's trophy level based on two input parameter values: Points Earned and Level of Difficulty. A total score is calculated by the component as:

$$\text{Total Score} = \text{Points Earned} \times \text{Level of Difficulty}$$

The trophy levels are:

- * Blue- total score equal to or less than 40
- * Silver- total score > 40
- * Gold- total score > 70
- * Diamond- total score > 80
- * Platinum- total score > 90

The component then outputs the correct trophy level.

Applying the Equivalence Partition test design technique to this component, what percentage of output partitions have been exercised by the following suite of test cases?

- * Player 1 - Points earned 25, level of difficulty 2
- * Player 2 - Points earned 20, level of difficulty 3
- * Player 3 - Points earned 30, level of difficulty 1

SELECT ONE OPTION:

- A. 40%
- B. 10%
- C. 60%

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation:

To determine the answer, we first calculate the total score for each player:

- * Player 1: $25 \times 2 = 50$ (Silver)
- * Player 2: $20 \times 3 = 60$ (Silver)
- * Player 3: $30 \times 1 = 30$ (Blue)

The output equivalence partitions based on the trophy levels are:

- * Blue: Total score # 40
- * Silver: Total score > 40 and # 70
- * Gold: Total score > 70 and # 80
- * Diamond: Total score > 80 and # 90
- * Platinum: Total score > 90

From the given test cases, the following partitions have been exercised:

- * Blue (Player 3)
- * Silver (Player 1 and Player 2)

Out of the 5 possible output partitions (Blue, Silver, Gold, Diamond, Platinum), only 2 partitions (Blue and Silver) have been exercised. Therefore, the percentage of partitions covered is:

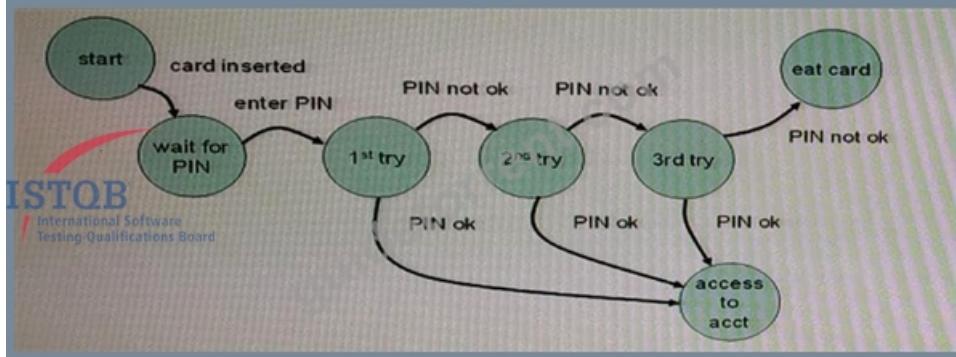
A number and a percentage sign AI-generated content may be incorrect.

Hence, the correct answer is B (40%).

NEW QUESTION # 25

Based on the system state transition diagram of an ATM system shown below, using the state transition test technique which of the

following is an example of a test case required to achieve 1-switch coverage?



- A. 1 st try-> 2nd try
- B. 1st try -> 2nd try -> eat card
- C. 1 st try -> 2nd try -> 3rd try -> access to act
- D. 1 st try -> 2nd try -> 3rd try

Answer: B

Explanation:

The test case C is an example of a test case required to achieve 1-switch coverage, using the state transition test technique. A 1-switch test case is a test case that covers two states and the transition between them. To achieve 100% 1-switch coverage, all transitions between states must be covered by at least one test case. The test case C covers the transition from the state 1st try to the state 2nd try, and the transition from the state 2nd try to the state eat card. Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL- TA], Section 3.4.1, page 39.

NEW QUESTION # 26

You are running a regression test suite using a keyword-driven test approach for automation. One of the new test cases using a new keyword failed unexpectedly. What should be your first step?

SELECT ONE OPTION

- A. Examine the sequence of tests that led up to the failure to determine if the problem occurred in a previous step
- B. Ask the technical test analyst to review the keyword script(s), as this is a new keyword and is the most likely cause of failure
- C. Run the test case manually to see if the failure lies in the System Under Test (SUT). If the test fails manually, raise a defect report
- D. Remove the test case from the regression suite and convert it to a manual test to reduce further impact on project schedules

Answer: C

Explanation:

Comprehensive and Detailed in Depth Explanation:

Since the issue occurred during the execution of a new test case using a new keyword, it is important to first isolate whether the problem lies within the System Under Test (SUT) or the automation script itself.

* C. Run the test case manually: This helps to verify if the problem is with the SUT or the automation script. If the manual test also fails, it indicates a potential defect in the SUT, otherwise, it could be an issue with the new keyword or the automation script.

* A. Examine the sequence of tests: This is not the most efficient first step because it does not directly identify if the issue is with the SUT.

* B. Remove the test case: Prematurely removing the test case is not a good practice without investigation.

* D. Ask the technical test analyst: While it could be a keyword issue, manually verifying the test first is a more practical approach. The correct answer is C (Run the test case manually to see if the failure lies in the System Under Test).

NEW QUESTION # 27

Which of the following statements about defect-based techniques is TRUE?

SELECT ONE OPTION

- A. Defect-based testing is a technique that identifies defects in requirements early in the lifecycle

- B. In defect-based testing, the type of defect sought is used as the basis for test design
- C. The coverage criteria for black-box test techniques tend to be less systematic than for defect-based test techniques
- D. Defect-based techniques are mainly used by developers at the component test level

Answer: B

Explanation:

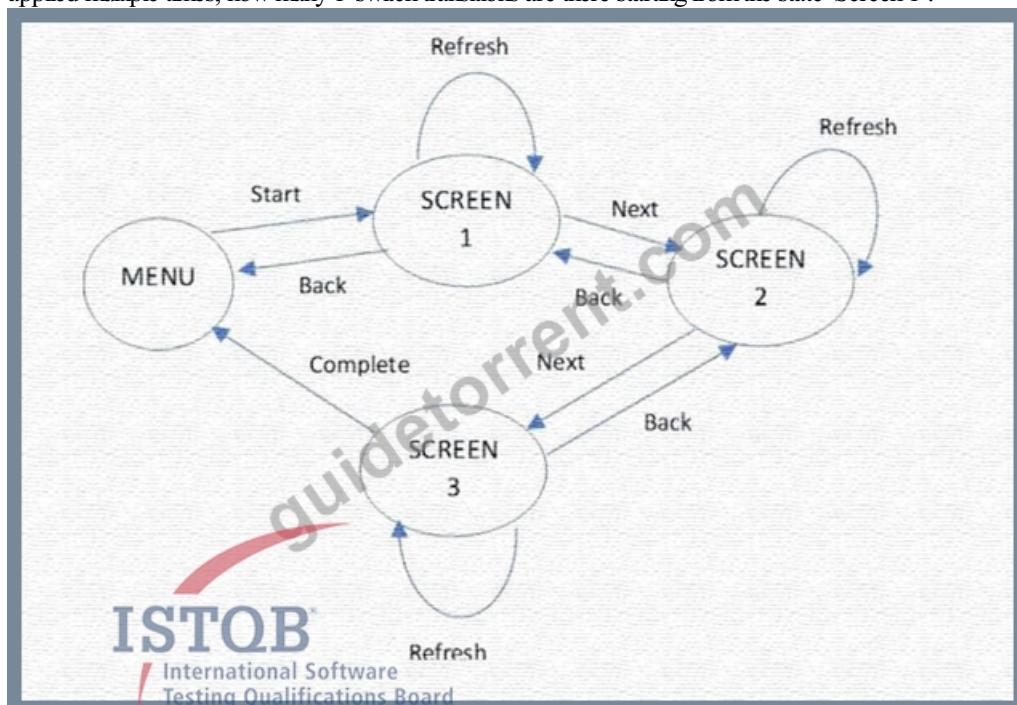
Comprehensive and Detailed in Depth Explanation:

- * Defect-based techniques use the knowledge of defects that have occurred in the past to develop test cases that target similar types of issues.
- * Option C correctly states that defect-based testing focuses on using known defect types as the basis for designing tests.
- * Option A is incorrect because defect-based testing can be applied at various levels, not just the component level.
- * Option B is incorrect since defect-based techniques do not necessarily guarantee more systematic coverage than black-box techniques.
- * Option D is incorrect because defect-based testing focuses on detecting specific defect types rather than verifying requirements early.

Hence, the correct answer is C (In defect-based testing, the type of defect sought is used as the basis for test design).

NEW QUESTION # 28

When applying the State Transition test technique to the given State Transition diagram, and assuming that screen refreshes can be applied multiple times, how many 1-switch transitions are there starting from the state 'Screen 1'?



SELECT ONE OPTION

- A. 0
- B. 1
- C. 2
- D. 3

Answer: C

Explanation:

Comprehensive and Detailed in Depth Explanation:

A 1-switch transition in a state transition diagram is a direct move from one state to another without intermediate states.

From Screen 1, the possible 1-switch transitions are:

- * Next: Moves to Screen 2
- * Back: Moves to Menu
- * Refresh: Stays on Screen 1

Since refresh can be applied multiple times (loop), it is still considered as one transition.

Therefore, the number of 1-switch transitions from Screen 1 is 3. The correct answer is D (3).

NEW QUESTION # 29

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