

# Secrets To Pass ISTQB ISTQB-CTAL-TA Exam Successfully And Effectively



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ISTQB CTAL-TA certification exam focuses on various aspects of software testing such as test design techniques, test management, risk-based testing, test automation, and performance testing. It is an advanced-level certification that is available to testers who have already completed the ISTQB Foundation and ISTQB CTAL-Test Manager certifications. (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) certification exam follows the Syllabus 2012 and is conducted across various locations worldwide.

ISTQB CTAL-TA or ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) certification exam is designed for experienced software testers who wish to advance their skills and knowledge in software testing. (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) certification is one of the most recognized and respected certifications in the field of software testing, and it is offered by the International Software Testing Qualifications Board (ISTQB).

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## Exam ISTQB-CTAL-TA Voucher & ISTQB-CTAL-TA Real Torrent

The PremiumVCEDump ISTQB-CTAL-TA exam practice test questions provide a way to assess your understanding of the material, identify areas for improvement, and build confidence and test-taking skills. The PremiumVCEDump ISTQB-CTAL-TA exam practice test questions are real and verified by (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) (ISTQB-CTAL-TA) exam trainers. They work collectively and strive hard to ensure the top standard of (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) (ISTQB-CTAL-TA) exam practice questions all the time.

## ISTQB (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) Sample Questions (Q42-Q47):

### NEW QUESTION # 42

For an ATM banking project the following applies: "When the user first inserts a valid credit card, the system considers the user to be in an unauthenticated state. When requesting a cash advance, the user must be in an authenticated state. The user authenticates by entering the correct PIN code for the card they have used.

During the user authentication, the system shall allow the user to enter their PIN code up to three times before failing the authentication and rejecting the card. On the first and second try, the system shall prompt the user to re-enter the PIN code " Suppose you are concerned that, depending on the number of invalid PIN codes entered, the system may behave incorrectly. Which of the following test design techniques is specifically targeted at finding such failures?

- A. Pairwise testing
- **B. State transition testing using 1-switch coverage**
- C. Equivalence partitioning
- D. Classification tree technique

**Answer: B**

Explanation:

The test design technique that is specifically targeted at finding failures depending on the number of invalid PIN codes entered is state transition testing using 1-switch coverage. State transition testing is a technique that tests the behavior of a system or component based on its states and transitions between them. A 1-switch test case is a test case that covers two states and the transition between them. This technique can test how the system reacts to different sequences of events and how it handles invalid inputs. Verified

References:

[ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.4.1, page 39.

### NEW QUESTION # 43

REQ1 a sun cancer warning system shall produce a daily score sheet based on the number of hours expose to the sun and the intensity of sun radiation.

REQ2 The number of hours exposed to the sun shall be categorized in A (below 2), B (2 to 4 hours) or C (more than 4 hours)

REQ3 The intensity of sun radiation shall be labelled as low, medium, high, or extreme.

Based on the requirements stated above a Test Analyst has defined the following three test cases:

How many test conditions to be identified from requirements REQ2 and REQ3, are NOT covered by the three test cases:

	Hour exposed to the sun	Sun intensity
TC 1	1.5	Low
TC 2	6.0	Medium
TC 3	1.0	low

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

**Answer: A**

Explanation:

Four test conditions to be identified from requirements REQ2 and REQ3 are not covered by the three test cases. A test condition is an item or event of a component or system that could be verified by one or more test cases, such as a function, transaction, feature, quality attribute, or structural element. The test conditions to be identified from REQ2 and REQ3 are:

- \* Number of hours exposed to the sun = A
- \* Number of hours exposed to the sun = B
- \* Number of hours exposed to the sun = C
- \* Intensity of sun radiation = low
- \* Intensity of sun radiation = medium
- \* Intensity of sun radiation = high
- \* Intensity of sun radiation = extreme

The test conditions that are not covered by the three test cases are:

- \* Number of hours exposed to the sun = A
- \* Intensity of sun radiation = low
- \* Intensity of sun radiation = high
- \* Intensity of sun radiation = extreme

Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 2.2.1, page 21.

**NEW QUESTION # 44**

Which test technique is MOST closely associated with classification tree diagrams?  
SELECT ONE OPTION

- A. Equivalence partitioning
- B. Decision table testing
- C. Use case testing
- D. State transition testing

**Answer: A**

Explanation:

Comprehensive and Detailed in Depth Explanation:

- \* Classification tree diagrams are used to visualize combinations of input classes or partitions, helping in identifying and selecting test cases.
  - \* They are closely associated with Equivalence Partitioning because they help in identifying classes (partitions) and their combinations.
  - \* State transition testing (A) involves states and transitions, not combinations of classes.
  - \* Decision table testing (C) involves logical conditions and outcomes, rather than class combinations.
  - \* Use case testing (D) focuses on user interactions and scenarios.
- Therefore, the correct answer is B (Equivalence partitioning).

**NEW QUESTION # 45**

Supercar.

Supercar is an online vehicle sales website specializing in a single manufacturer's Sports Utility Vehicles (SUVs) and saloons. A vehicle has two key elements, power unit and body style. The manufacturer offers three choices of power unit: petrol, electric and hybrid. There are 3 main body styles: Saloon, Hatchback and SUV.

SUVs are available only as petrol and electric options. Hybrid is available for Hatchback only. The website will allow an order to be processed if the chosen vehicle configuration is in stock, otherwise a message will be displayed asking the user to try again later. Based on the specification, the following classification tree has been developed:



Which test case is needed to complete the test set and achieve minimum class coverage?

- A. Power Unit: Hybrid Body Style: Saloon
- B. Power Unit: Electric Body Style: Hatchback
- C. Power Unit: Petrol Body Style: Saloon
- D. Power Unit: Hybrid Body Style: Hatchback

**Answer: D**

Explanation:

The test case D is needed to complete the test set and achieve minimum class coverage, based on the classification tree. A

classification tree is a technique that shows the combinations of inputs and outputs for a given scenario using a graphical representation of classes and subclasses. Minimum class coverage is achieved when at least one representative of each class is tested. The classes for this scenario are:

- \* Power Unit: Petrol, Electric, Hybrid
- \* Body Style: Saloon, Hatchback, SUV

The test case D covers the class Power Unit Hybrid and the class Body Style Hatchback, which are not covered by any other test case. Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.5.1, page 41.

**NEW QUESTION # 46**

A PIN entry component of an ATM system has been developed using the following state table:

	Insert Card	Enter Pin	Valid Pin	Invalid Pin
S1) Start State	S2	-	-	-
S2) Wait for PIN	-	S3	-	-
S3) 1st try	-	-	S6	S4
S4) 2nd try	-	-	S6	S5
S5) 3rd try	-	-	S6	S7
S6) Access account	-	-	-	-
S7) Eat card	-	-	-	-

Using the state transition test technique, how many 0-switch test cases are needed to achieve 100% 0-switch coverage?

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

**Answer: D**

Explanation:

Eight 0-switch test cases are needed to achieve 100% 0-switch coverage. A state transition test technique is a technique that tests the behavior of a system or component based on its states and transitions between them. A

0-switch test case is a test case that covers one state and its associated actions and events. To achieve 100% 0-switch coverage, all states and their associated actions and events must be covered by at least one test case.

The states for this scenario are:

- \* Enter PIN
- \* PIN OK
- \* PIN not OK
- \* 1st try
- \* 2nd try
- \* 3rd try
- \* Access to act
- \* Eat card

Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.4.1, page 39.

**NEW QUESTION # 47**

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