



# CTAL-TA\_Syll2012\_UK<sup>Q&As</sup>

ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012)

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## QUESTION 1

As a test analyst you are involved in the early stages of an acceptance test for a Product Data Management system. You are asked to write test designs and test cases based on use cases. An early version of the system is also already available. It is a known fact that on the implementation level many things will change (including the user-interface). The tests will be carried by end-users with much domain knowledge who have also been involved in the project defining the user requirements and reviewing documentation.

What is the BEST option regarding the level of detail and documentation required for test cases in the project?

- A. Detailed concrete test cases since many re-runs of the tests are expected
- B. Logical test cases supported by concrete test cases to allow for traceability and enable future changes
- C. Concrete test cases only since the end-users have extensive domain knowledge
- D. Logical test cases only since the end-user have extensive domain knowledge and many changes are expected thus reducing testware maintenance effort

Correct Answer: D

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## QUESTION 2

Ken, an entrepreneur in Leeds finds the quality of the tea locally available so low, that he decides to research superior teas around the world. He decides to market, sell and distribute these superior teas via the web. His market strategy is to offer superior products on a well-designed website with graphics that are fast to load, has high availability, superior usability and fast response times.

The website will offer the following:

- An innovative interactive catalogue of teas, which not only enables customers to buy the product, but also enables them to provide feedback by rating the teas (which will influence his stock purchasing levels)

-

Provide the customer with the ability to use secure credit card transactions

-

Provide the customer to give general feedback

Ken selects an iterative model for the development of the prototypes. The team consists of three developers that are experienced in web development. Ken, although he doesn't have technical skillset, is concerned with quality. He doesn't

believe a lot of documentation is necessary and he wants the website to be completed quickly.

The test basis contains the following:

- Story boards that show the information flow and page links through the site



-HTML pages developed to date.

-

A statement of non-functional requirements.

With the strategy taking shape, Ken asks your advice on the specific testing techniques that should be used to complete the required testing, bearing in mind the nature of the application and the nature of Ken's overall objectives.

Which TWO of the following items may more frequently need to be explained in greater detail for non-functional defect reports than for a functional defect report?

A.

Expected results

B.

Steps to reproduce the defect

C.

Test data used to identify the fault

D.

Level of load on the system at the time of failure

E.

Actual results

Correct Answer: AD

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We now make the assumption that in the scenario described as above, exploratory testing was selected as being the main test technique. You have now been given the task of specifying, executing and recording the exploratory test sessions.

Select TWO of the options below to define what you will typically use for specifying, executing and recording the sessions?

A.

Record the results in email and send the email to the test manager.

B.

Use external testers on the team to provide a new approach and fresh view to the testing effort.

C.

Create test charters for planned test session.

D.

Use debriefing sessions with stakeholders and other testers to discuss the findings and new risks identified.

E.

Define concrete test cases to be executed by the developers.

Correct Answer: CD

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#### QUESTION 4

A company wants to develop a web site to implement an on-line sales channel. The company has decided to do some usability testing, but resources are limited. The usability testing has therefore to be done as efficient as possible. Which THREE techniques would you recommend?



- A. SUMI
- B. Usability laboratory
- C. Use case testing
- D. Heuristic evaluation
- E. Equivalence partitioning
- F. Pairwise testing
- G. Exploratory testing

Correct Answer: ACD

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#### QUESTION 5

For a tax system the earnings 4.000 are tax free, the following 1.500 are charged at 10%, the following 28.000 at 20% and the remainder above 40%. All values are rounded to 1. What test case could result from a boundary value analysis?

- A. 1500
- B. 33501
- C. 4499
- D. 28001

Correct Answer: B

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#### QUESTION 6

For an ATM banking project introduced earlier, "When the user first inserts a valid credit card type, 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 proper PIN code. When authenticating the user, 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 exact number of invalid PIN codes entered, the system might behave improperly.

Which of the following test design techniques is specifically targeted at such failures?

- A. Equivalence Partitioning extended by boundary value analysis
- B. Pairwise Testing with orthogonal arrays



C. State Transition Testing using 1-switch coverage

D. Classification Tree Method

Correct Answer: C

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### QUESTION 7

Apart from state transition testing, which other specification-based technique would you additionally choose to test the interfaces between components of "Route Calculation" and thus typically find different types of defects? Identify the MOST likely technique from the following list.

A. Equivalence Partitioning

B. Use Case Testing

C. Orthogonal Arrays

D. Decision Testing

Correct Answer: A

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### QUESTION 8

Your test team is currently executing interoperability testing. Consider the following excerpt from the failure description of an interoperability defect report:

1.

Connect external camera to a Windows Vista PC.

2.

Start the camera application on the PC. Application starts normally and recognizes connected camera.

3.

Attempt to download the recorded data from the camera.

4.

Data does not download.

5.

Attempt to download the data three times. Data will not download.

Based on this information alone, which of the problems described hereafter exists in this defect report?



- A. Lack of structured testing
- B. Inadequate classification information
- C. Insufficient isolation
- D. Poorly documented steps to reproduce

Correct Answer: B

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#### QUESTION 9

You are a test analyst in the banking domain. You have received the following requirement: The system shall allow cash advances of at least 200 Euros for all supported credit cards. The correct list of credit cards is American Express, Diners, VISA, Mastercard and Eurocard. Which one of the findings described below is true regarding this requirement?

- A. The requirement is ambiguous in terms of supported cards
- B. The paragraph indicates potential performance problems
- C. The paragraph is unclear in terms of advance limits
- D. The paragraph indicates potential usability problems

Correct Answer: C

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#### QUESTION 10

A new web site must operate correctly with different browsers (Internet Explorer, Google Chrome, Firefox, Netscape, Mozilla), using different plug-ins (Realplayer, Mediaplayer), will be receiving pages from different servers (IIS, Apache and WebLogic) and will be running on various server operation systems (windows 2007, XP, Linux)

Which of the following test techniques will you use to test this new web site in its various environments?

- A. pairwise testing
- B. exploratory testing
- C. use case testing
- D. decision table testing

Correct Answer: A

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#### QUESTION 11



A temperature unit holds the temperature between 10 degrees Celcius and 20 degrees Celcius. If the temperature drops below 20 or rises above 10 then an alarm rings. Boundary Value Analysis tests are drawn up using the approach of two test cases per boundary. The temperatures to be tested are:

- A. 11, 10, -11, -10
- B. 11, 10, 9, -11, -10, -9
- C. 11, 9, -9, -11
- D. 10, 9, -9, -10

Correct Answer: A

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## QUESTION 12

You are testing an ATM based on the following use case; ATM start screen is showing

1.  
The user inserts card
2.  
The user types in PIN
3.  
The user selects `cash with receipt`
4.  
The user selects 50
5.  
The user selects `no further service`

Expected results

-

The ATM provides 50 to the user

-

The ATM return the card and balance slip

-

The ATM clears the screen

-





The ATM returns to start menu

In your test log which of the following could be noted as part of additional attention points?

A.

Issues regarding time-behavior

B.

Issues regarding interoperability

C.

More test cases needed to achieve full coverage

D.

Expected results not clearly defined

Correct Answer: A

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### QUESTION 13

Which of the following is the LEAST appropriate action to mitigate product risks for a web application?

A. Initiate reviews of test design

B. Use professional and skilled testers with appropriate technical knowledge

C. Run tests in multiple operational environments

D. Allocate more time to high risk areas

Correct Answer: A

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### QUESTION 14

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application and the nature of Ken's overall objectives.

How does phase containment contribute to reducing the cost of development?

- A. By eliminating defects as early as possible to minimize defect propagation
- B. By ensuring that the deliverables from any life cycle phase are tested only in that phase
- C. By using specific test techniques at each level and only at that level
- D. By concentrating the testing effort on the phases where failures occur

Correct Answer: A

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#### QUESTION 15

Which of the following is a typical work product that the Test Analyst would deliver as part of the test closure activities?

- A. A list of all deferred defects
- B. A list of all rejected defect reports
- C. A list of all defects found in production and fixed in this release
- D. A list of all resolved defects

Correct Answer: A



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