

## TA12<sup>Q&As</sup>

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

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**QUESTION 1**

During the test execution defects are found on non-compliance to requirements, calculations that produce incorrect results, and improper handling of data or situations. Which of the following test types is most likely being performed? [K2] 1 credit

- A. Usability testing
- B. Interoperability testing
- C. Accuracy testing
- D. Suitability testing

Correct Answer: C

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**QUESTION 2**

In an organization using keyword-driven automation, which of the following activities typically is the responsibility of the test analyst? [K2] 1 credit

- A. Write the code to automate the key processes
- B. Work with the users to define the key usability aspects of the software
- C. Identify the key business processes that must be tested
- D. Write manual tests for the key business processes that can then be automated

Correct Answer: C

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**QUESTION 3**

You are working as a tester on a project to develop a point-of-sales system for grocery stores. Which of the following is a product risk that could be identified for such a system? [K3] 2 credits

- A. The arrival of a more reliable competing product on the market
- B. Delivery of an incomplete test release to the first cycle of system test
- C. An excessively high number of defect fixes fail during re-testing
- D. Failure to accept allowed credit cards

Correct Answer: D

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**QUESTION 4**

As a test analyst you are gathering data to support accurate metrics. Which of the following metrics would be MOST

appropriate to use to monitor product quality? [K2] 1 credit

- A. Defects found versus defects expected
- B. Tests run and tests passed
- C. Test resources spent versus budget
- D. Compliance to entry criteria
- E. Product risks outstanding and new risks introduced

Correct Answer: ABE

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#### QUESTION 5

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? [K4] 3 credits

- 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 6

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? [K4] 3 credits

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

Correct Answer: A

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**QUESTION 7**

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? [K4] 3 credits

- 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 8**

How do user stories and testing relate in an agile project? [K2] 1 credit

- A. User stories provide the flow of events which are to be used by the tester to define test cases.
- B. User stories provide the user requirement and acceptance criteria being two important inputs for the tester.
- C. The tester will typically gather and document the user stories, and use them for testing.
- D. User stories drive the regression test.

Correct Answer: B

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**QUESTION 9**

Consider the following description in a defect report "Nasty bug trashed contents of new file that I created by formatting some text in symbol font, wasting my time." Which TWO of the following comments would you immediately make based on the defect description above? [K4] 3 credits, 1 out of 2 correct 1 credit

- A. Needs to be neutralized
- B. Steps to reproduce are unclear
- C. No attempt to isolate the defect
- D. More than one defect in one report
- E. Possible duplicate

Correct Answer: AB

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## QUESTION 10

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

<i>Colour</i>	D-F	G-J	K-M	N-R	S-Z
<i>Grade</i>	Colourless	Near Colourless	Faint yellow	Very light yellow	Light yellow

Identify the MOST likely technique from the following list. [K4] 3 credits

- A. Equivalence Partitioning
- B. Use Case Testing
- C. Orthogonal Arrays
- D. Decision Testing

Correct Answer: A

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