



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

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

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**QUESTION 1**

Using the "Tax System" specification scenario as described above, using boundary value analysis, which would be the most interesting test set to explicitly test one single boundary value as defined in the "Tax System" specification?

<i>Test set (i)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20,000</i>	<i>4</i>
<i>Not Married</i>	<i>€ 22,000</i>	<i>3</i>
<i>Married</i>	<i>€ 18,000</i>	<i>2</i>
<i>Test set (ii)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 19,000</i>	<i>8</i>
<i>Not Married</i>	<i>€ 20,000</i>	<i>6</i>
<i>Married</i>	<i>€ 50,000</i>	<i>4</i>
<i>Test set (iii)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20,000</i>	<i>10</i>
<i>Not Married</i>	<i>€ 22,000</i>	<i>5</i>
<i>Not Married</i>	<i>€ 20,001</i>	<i>0</i>
<i>Test set (iv)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 22,000</i>	<i>1</i>
<i>Not Married</i>	<i>€ 18,000</i>	<i>2</i>
<i>Married</i>	<i>€ 18,000</i>	<i>3</i>

[K3] 3 credits

- A. (i)
- B. (ii)
- C. (iii)
- D. (iv)

Correct Answer: D

**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)

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

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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.

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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. How does phase containment contribute to reducing the cost of development? [K2] 1 credit

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 3

As part of defining an approach the usability, acceptance criteria need to be defined. Which of the following acceptance criteria would be appropriate for operability? [K4] 3 credits

A. Percentage of participants who completed each task correctly



- B. Mean extent to which each task was completely and correctly achieved, scored as a percentage
- C. Mean time taken to complete each task (for correctly completed tasks)
- D. SUMI user satisfaction score

Correct Answer: C

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#### QUESTION 4

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: [K3] 2 credits

- 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 5

To enhance both the effectiveness and efficiency of the test design phase the purchase of a test design tool is being considered. Which one of the statements hereafter best characterizes a test design tool? [K2] 1 credit

- A. It validates models of the software
- B. It enables tests to be executed automatically
- C. It enables individual tests to be traced to requirements
- D. It generates test inputs or executable tests from requirements

Correct Answer: D

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#### QUESTION 6

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

### QUESTION 7

A route calculator for a car navigation system has been developed using the following state table: How many test cases are needed to achieve 0-switch coverage? [K3] 2 credits

	Position	Velocity	Updated	No Signal
Displaying	Calculating	Calculating	-	Error
Calculating	-	-	Displaying	Error
Error	Calculating	-	-	-

A. 3

B. 6

C. 7

D. 12

Correct Answer: B

### QUESTION 8

A specification states: "If the fossil is Jurassic in origin then it must be catalogued under Mesozoic post Triassic and cross referred to politic limestone. If it is a tooth, then it must be catalogued under Dental remains. If the fossil is both Jurassic in origin and a tooth it will be catalogued under Mesozoic post Triassic and cross referred to politic limestone only. " The tester analyses this for decision table testing and finds the following conditions and actions: C1: Jurassic C2: tooth A1: Catalogue as Mesozoic post Triassic A2: Cross refer to politic limestone A3: Catalogue as

Dental remains How many test cases will a collapsed decision table have? [K3] 2 credits

A. 2

B. 3

C. 4

D. 6

Correct Answer: B



**QUESTION 9**

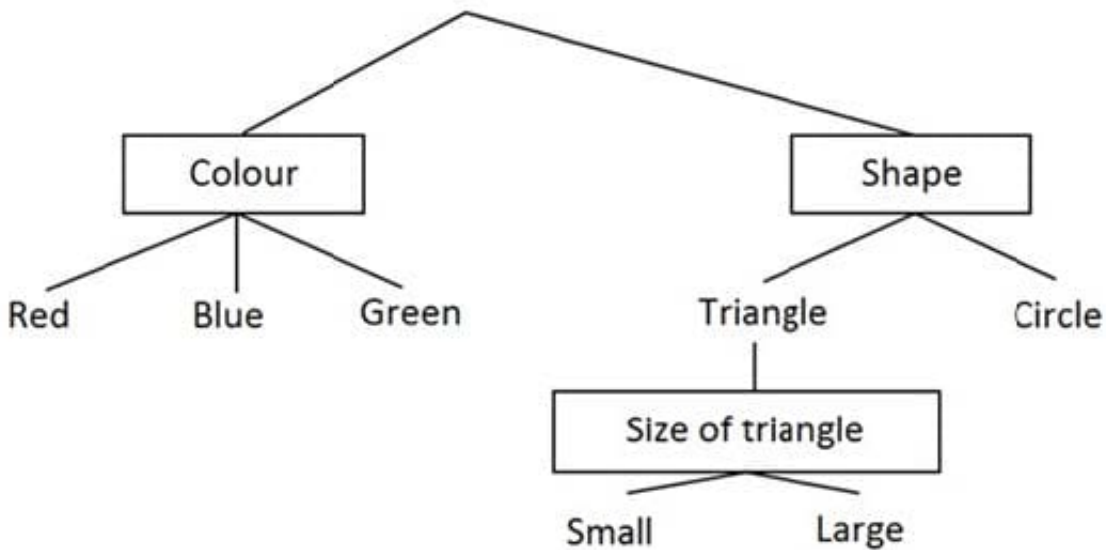
According to the ISTQB Advanced syllabus, which of the following would be the MOST effective method of communication between test team members who are distributed across several time zones? [K2] 1 credit

- A. Accurate recording of defect information in the defect tracking system
- B. Accepting frequent builds from the developers to keep all testers working on the same version at the same time
- C. Skype meetings for personal interaction
- D. Weekly, mandatory meeting with all personnel present

Correct Answer: A

**QUESTION 10**

Based on the classification tree shown below, how many test cases are required using the classification tree method?



[K3] 2 credits B. 3

C. 4

D. 6

Correct Answer: B

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