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Vendor:BCS

Exam Code:TA12

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

Version:Demo

QUESTION 1

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

QUESTION 2

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 3

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? [K3] 2 credits

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

Correct Answer: B

QUESTION 4

While identifying scenario's for the use case "copy A4 ?A4" for a new copier, the following scenario's were identified:
Basic scenario: single side to single side
Deviatons: single side to double side, copy of a set, copy using the automatic document feeder
Failures: no paper in paper tray, paper jam, out of staples
During interviews with both development and end-users it has been established that the failure scenario's can occur during the basic scenario and during each of the deviatons. How many test cases will be needed to achieve full coverage both for valid and invalid situations? [K3] 2 credits

- A. 10
- B. 12
- C. 16
- D. 20

Correct Answer: C

QUESTION 5

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

QUESTION 6

Which of the following statements is TRUE with respect to when the test analyst should become involved during different lifecycle models? [K2] 1 credit

- A. In a sequential V-model project the test analyst should start test analysis and design concurrently with coding
- B. In Agile projects the test analyst should start test analysis and design concurrently with coding
- C. In a sequential model project the test analyst should start test analysis and design concurrently with software design
- D. In an embedded iterative model the test analyst should expect to be involved in the standard planning and design aspects

Correct Answer: D

QUESTION 7

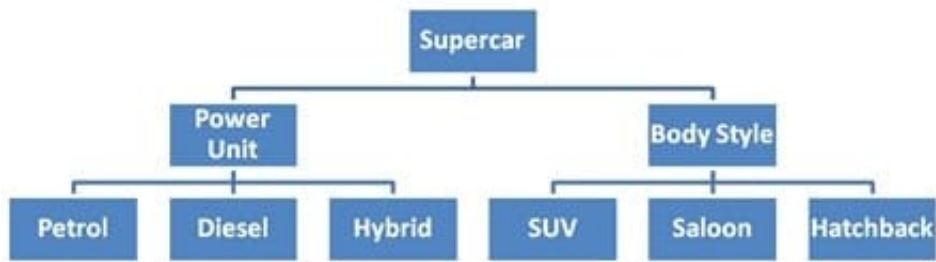
What is the MOST important reason why test conditions should be understandable by stakeholders? [K2] 1 credit

- A. They should be able to review the test conditions and provide feedback to the test analyst
- B. They should be able to use them as a basis for designing test cases
- C. They should be able to use them to establish traceability to requirements
- D. Test documentation should always be understandable by all stakeholders

Correct Answer: A

QUESTION 8

Study the "Supercar" classification tree, which of the following statements is correct?



[K3] 2 credits

- A. The classification tree is correct and complete
- B. The options for "in stock" are missing
- C. Order information is missing
- D. The error message is missing

Correct Answer: B

QUESTION 9

Analyzing the 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." There are arguments to be made for several test design techniques. Which of the following test design techniques is LEAST likely to be used for identifying test cases for the requirement? [K4] 3 credits

- A. Boundary value analysis
- B. Equivalence Partitioning
- C. Classification Tree Method
- D. State Transition Testing

Correct Answer: D

QUESTION 10

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

QUESTION 11

The use case will be used as a basis for the design of usability test scenario's. As a tester you are asked to review the ATM use case from the perspective of usability testing. As a tester you are asked to review the ATM use case provided below. The use case will be used as a basis for functionality testing to be performed later.

System:	XYZ Bank ATM
Goal of test	The goal of this use case is to test the withdrawal of cash from the ATM
Description	Context: This is core functionality, so this is an important test of a frequent usage function
	Actors: Any user may use this function
Preconditions	The ATM is on and functional The user has a current debit card
Description of use case flow	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 returns the card, delivers £50 and a receipt, clears the screen and displays the start screen
Failure conditions	On screen instructions not clearly displayed On screen instructions not simple to follow Card not returned (see functional tests)
Additional attention points	Note response times

Which one of the comments, described hereafter, would be the MOST important one you would make? [K3] 2 credits

- A. Acceptance criteria not defined
- B. Business priority is missing
- C. Post condition not defined
- D. Alternative flows are missing

Correct Answer: D

QUESTION 12

Tax system A tax system needs to be updated due to new legislation. For a person with a salary of less than 20,000 and who is married, the tax needs to be re-calculated. If the person also has more than two and less than five children, an additional 10% reduction is applicable. How many input classes can be distinguished when applying equivalence partitioning to the "Tax System" specification? [K3] 2 credits

- A. 5
- B. 6
- C. 7
- D. 8

Correct Answer: B