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QUESTION & ANSWER



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Exam : CTAL-TA_Syll2019

**Title : ISTQB Certified Tester
Advanced Level - Test
Analyst (Syllabus 2019)**

Version : DEMO

1. Based on the tax system specification as described below, using boundary value analysis, which would be the best test set to explicitly test on single boundary value fully?

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 recalculated.

If a person has at least three and less than six children, an additional 10% reduction is applicable.

<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>10</i>

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

Answer: C

2. 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 these statements best characterizes a test design tool?

- A. A test design tool validates models of the software.
- B. A test design tool enables tests to be executed automatic ally.
- C. A test design tool enables individual tests to be traced to requirements
- D. A test design tool generates test inputs from requirements

Answer: A

3.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. 4
- B. 7
- C. 8
- D. 28

Answer: D

4.Which of the following appropriate tasks for the Test Analyst is performed during the test analysis phase?

- A. Review test estimates
- B. Examine the test basis
- C. Create a test execution schedule
- D. Evaluate status against exit criteria

Answer: D

5.company in the medical domain has adopted methodical testing as its preferred test strategy Before being able to release to the market an external audit on the test process is mandatory. The test team consists of a mix of highly experienced domain-based testers and junior testers who only recently joined the company.

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

- A. Low-level test cases since this will support both the external audit and the new junior testers.
- B. High-level test cases since this is consistent with the chosen test strategy

C. Low-level test cases since it will make the process more effective and it will make the best use of the knowledge and skills of the experienced domain testers.

D. High-level test cases since it will make the process more effective and it will make the best use of the knowledge and skills of the experienced Idomain testers.

Answer: D