



iSQI

Exam Questions CTAL-TAE

ISTQB Certified Tester Advanced Level-Test Automation Engineering

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NEW QUESTION 1

Which of the following is NOT an advantage of test automation?

- A. The ability to perform tests which would be difficult or impossible to execute manually
- B. The ability to run more tests in less time and therefore to make it possible to run them more often
- C. The ability to find more defects with the same tests, compared to executing the same test manually
- D. The ability to enable a better use of skilled testers by freeing them from repetitive and boring tasks

Answer: C

NEW QUESTION 2

A defect in a SUT has been resolved and validated by an automated defect re-test in the current release of the software. This retest has now been added to the automated regression test suite.

Which statement BEST describes a reason why this defect could re-occur in future releases?

- A. Automated defect confirmation testing is not effective at confirming that the resolved defect will continue to work in future releases
- B. The configuration management process does not properly control the synchronization between software archives
- C. The automated regression test suite is not run consistently for future releases.
- D. The automated regression test suite has a narrower scope of functionality

Answer: B

NEW QUESTION 3

What is NOT a factor in considering when you are asked to ensure an effective transition from manual to automated tests?

- A. Complexity to automate the manual test cases
- B. Correctness of test data and test cases
- C. The look and feel of the SUT
- D. The controllability of the SUT

Answer: C

NEW QUESTION 4

Which of the following success factors for a test automation project is TRUE?

- A. Automated tests must be designed to capture only the data that is strictly needed for comparing expected and actual results
- B. The test cases to be automated first must always be selected based on the number of times a test will need to be run
- C. The test cases to be automated must have a high dependency on particular data values
- D. Automated tests that fail due to changes in the requirements of the SUT should be promptly fixed rather than disabled from the test suite

Answer: D

NEW QUESTION 5

You have been asked to automate a set of functional tests at system Test level via the CLI of the SUT for the first release of a software system. The automated tests will be delivered to the team in charge of maintenance testing, who will use them for part of the regression testing. They have the following requirements.

- * 1. The automated tests must be as fast and cheap to maintain as possible
- * 2. The cost of adding new automated tests must be as low as possible
- * 3. The automated tests must have a high level of independence from the tool itself

Which of the following scripting techniques would be MOST suitable?

- A. Data-driven scripting
- B. Keyword-driven scripting
- C. Linear scripting
- D. Structure scripting

Answer: D

NEW QUESTION 6

Consider the following layers of the gTAA structure:

- * a. Test generation layer
- * b. Test definition layer
- * c. Test execution layer
- * d. Test execution layer

Consider the following capabilities associated with these layers.

Acquire all the necessary resources before each test and release all after run, in order to avoid interdependences between test

Allow the automated test scripts on an abstract level to interact with components, configurations and interfaces of the SUT.

Design test directives that allow configuring the algorithms used to automatically produce the test cases a given model of the SUT.

Allow the definition and implementation of test cases and data by means of templates and/or guidelines.

Which of the following BEST matches each layer with the appropriate capability?

- A. a-3, b-4, c-1, d-2
- B. a-4, b-3, c-1, d-2
- C. a-4, b-3, c-2, d-1
- D. a-3, b-4, c-2, d-1

Answer: C

NEW QUESTION 7

Which of the following BEST describes why it is important to separate test definition from test execution in a TAA?

- A. It allows developing steps of the test process without being closely tied to the SUT interface.
- B. It allow choosing different paradigms (e.g event-driven) for the interaction TAS and SUT
- C. It allows specify test cases without being closely tied to the tool to run them against the SUT
- D. It allows testers to findmore defects on the SUT

Answer: C

NEW QUESTION 8

Which of the following statement about the implementation of automated regression testing is FALSE?

- A. When automating regression tests, the structure of automated tests mustalways be the same as the corresponding manual tests
- B. When automating regression tests, the corresponding manual tests should have already been executed to verify they operate correctly
- C. When automating regression tests, theinitialization steps set the test preconditions should be automated wherever possible
- D. When automating regression tests, consideration should be given to how much time would be saved by automation

Answer: D

NEW QUESTION 9

A web application was released into production one year ago, it has regular release which follow a V-model lifecycle and testing is well-established and fully integration into the development lifecycle. You have been asked to implement a TAS for the regression test suite. The regression tests have been developed via the GUI and are expected to be run at least four times a month, for each planned release, for the whole operation solution life of the system (six years). Each screen of the GUI uses several third-party controls which are not compatible with the existing automation solutions. The environment for the automation will be stable, fully controllable and separated from other environments (development, staging, production).

What could be the MOST problematic for this TAS?

- A. Maturity of the test process
- B. Complexity to automate
- C. Frequency of use
- D. Sustainability of the automated environment

Answer: D

NEW QUESTION 10

Which of the following statements about the reuse of TAS artefacts is TRUE?

- A. Reusable TAS artefacts can include components (or parts of components) associated with different layers of the TAA
- B. To enable reuse of TAS artefacts, a good design for reuse is built into the TAA and to further action are needed during the TAS lifecycle
- C. Communications maintenance and improvements for reusing TAS artefacts are modifyaddressed during the design of the TAA
- D. Reusable TAS artifacts associated with the definition layer of the TAA include the adaptors to the SUT components and/or interfaces

Answer: B

NEW QUESTION 10

A regression test suite consist of 500 test cases which are all executed manually. The business case for a pilot project is based on the adoption of test automation using a commercial tool that will reduce the execution time by a factor of 90% for 100% of the tests in the regression test suite. The pilot project lasted one month (as planned) and you are currently its results. At the end of the pilot project, 40% of the regression tests have been automated and their execution time has been reduce by 60%.

Which of the following statements is TRUE in this scenario?

- A. The duration of the pilot project was too short –it should last unit the success factors are achieved
- B. The target defined for the business case is too accurate –it should not be measureable
- C. The project selected for the pilot is too critical –if should not be too critical or too trivial
- D. The target defined for the business case seems difficult to hit – it should be realistic

Answer: D

NEW QUESTION 11

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