iSQI CTAL-TAE Practice Questions

Shared by Massey on 30-10-2026

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Question 1

Question Type: MultipleChoice

Consider a TAS that exclusively uses the APIs of a SUT. To make this work, significant changes have been required to the SUT by adding a set of dedicated test interfaces to the APIs. All the automated tests will use these test interfaces when interacting with the SUT. Assume that you are currently verifying the correctness of the automated test environment and test tool setup.

Which of the following would you expect to be the MOST specific risk associated with this scenario?

Options:

A- The connectivity from the TAS to the dedicated test interfaces will not work
B- The process of configuring the TAS will be error-phone due to manual intervention
C- The automated test cases will not contain the expected result
D- False alarms, that are unlikely to occur in the real world, will be observed during testing

Answer:

D

Question 2

Question Type: MultipleChoice

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?

Options:

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

Question 3

Question Type: MultipleChoice

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 option best BEST matches each layer with the appropriate capability?

Options:

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

Question 4

Question Type: MultipleChoice

Consider a TAS that exclusively uses the APIs of a SUT. To make this work, significant changes have been required to the SUT by adding a set of dedicated test interfaces to the APIs. All the automated tests will use these test interfaces when interacting with the SUT. Assume that you are currently verifying the correctness of the automated test environment and test tool setup.

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Answer:

A

Question 5

Question Type: MultipleChoice

Consider a TAS associated to dynamically changing software frequent releases. Your goal is to determine the amount of effort required to maintain the automated tests of the regression test suite for each new release of the SUT.

What is the MOST important metric to collect to achieve your goal?

Options:

A- The code coverage achieved with the automated tests, for each new release of the SUT
B- The number of automated tests which fail because of a single software defect, for each new release of the SUT
C- The time it takes to execute all the automated tests, for each new release of the SUT.
D- The number of automated tests requiring maintenance, for each new release of the SUT.

Answer:

B

Question 6

Question Type: MultipleChoice

Consider a TAS that uses a keyword-driven framework. The SUT is a web application and there is a large set of keywords available for writing the automated tests that relate to highly specific user actions linked directly to the GUI of the SUT. The automated test written with the keywords are statically analyzed by a custom tool which highlight's repeated instances of identical sequence of keywords. The waiting mechanism implemented by the TAS for a webpage load is based on a synchronous sampling within a given timeout. The TAS allows checking a webpage load every seconds until a timeout value

Options:

A- Changing the scripting approach to data-driven scripting
B- Implementing keywords with a higher level of granularity
C- Changing the wait mechanism to explicit hard-coded waits
D- Establishing an error recovery process for TAS and SUT

Answer:

B

Question 7

Question Type: MultipleChoice

You identified a suitable project to pilot an automation tool and planned and conduced a pilot. The pilot has been successful and tool Is being deployed within your organization, with a plan to increase tool use by the one project at a time. During this rollout some test processes will be changed slightly to gain additional benefits from using the tool.

In the pilot project, a small set of manual tests were automated for the first time. You are currently monitoring the test automation efficiency and this reveals that the automation regime for the tests is not yet mature.

Which of the following statements is TRUE?

Options:

A- The approach used for deployed this tool is aligned to the standard success factor for deployment
B- The pilot project should have been critical so that maximum benefits were delivered
C- The target defined for the project was inappropriate, because the automation regime for the automated tests at the end of the pilot is not yet mature.
D- The test process should be radically changed to gain additional benefits from using the tool.

Answer:

D

Question 8

Question Type: MultipleChoice

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

Options:

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:

D

Question 9

Question Type: MultipleChoice

You are using a gTAA to create a TAS for a project. The TAS is aimed at automatically and executing test cases based on a use-case

Modeling approaching that uses UML as a modeling language. All the interaction between TAS and SUT will only be at the API and GUI level.

Which option best components of the gTAA would you EXCLUDE from the TAS?

Options:

A- The test reporting component of the test execution layer.
B- The Test execution component of the test generation layer
C- The test execution (test engine of the test execution layer
D- The Command Line Interface (CLI) component of the test adaptation layer

Answer:

D

Question 10

Question Type: MultipleChoice

Assume that you are the TAE responsible for the correct functioning of a TAS, deployed in a test environment that consists of a few machines running the same version of the operating system. The TAS has been working and stable since its deployment, it has been used to run an automated test suite consisting of many similar automated test. The infrastructure team is planning to update the operating system on these machines by installing a new the service pack for security reasons. Since the vendor of the operating system assurance full backward compatibility, the infrastructure team assurance that there will be no impacts on the functioning of the TAS.

What is the BEST approach to confirm the correct functioning of the TAS in this scenario?

Options:

A- Verify the behavior of the automated tests by running a small tests, then gradually run the remaining tests to confirm the correct functioning of the whole automated test suite.
B- Make sure that the infrastructure team has completed installing the service pack on the machines where SUT is running, then run the whole automated test suite to verify its behavior
C- Verify the behavior of the whole automated test suite by running all the automated tests
D- Do not run any tests because you can immediately confirm the correct functioning of the automated test suite

Answer:

D

Question 11

Question Type: MultipleChoice

Which option best statements BEST describe aspects of the SUT to consider when designing a TAA?

Options:

A- All the interaction between SUT and TAS should be logged with the highest level of detail
B- All the internal test interfaces of the SUT should be removed prior to the product release
C- All the interface of the SUT affected by the tests should be controllable by the TAA
D- All the external test interfaces of the SUT should be removed prior to the product release

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Answer:

A

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