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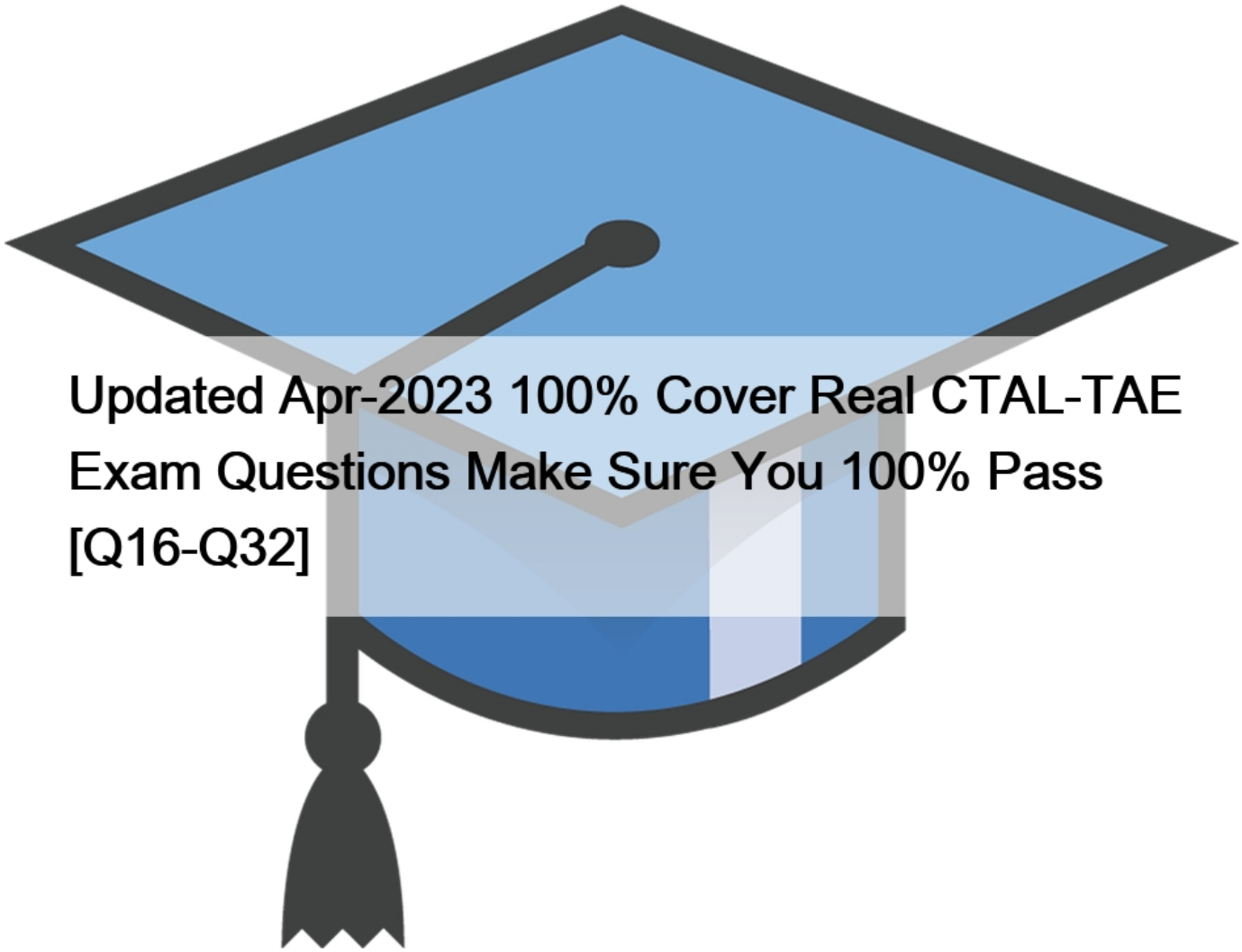

Updated Apr-2023 100% Cover Real CTAL-TAE Exam Questions Make Sure You 100% Pass CTAL-TAE dumps Accurate Questions and Answers with Free and Fast Updates NEW QUESTION 16

Consider a TAS associated to dynamically changing software frequent releases. Your goal is todetermine 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?
* The code coverage achieved with the automated tests,for each new release of the SUT
* The number of automated tests which fail because of a single software defect, for each new release of the SUT
* The time it takes to execute all the automated tests, for each new release of the SUT.
* The number ofautomated tests requiring maintenance, for each new release of the SUT.

NEW QUESTION 17

Consider the following example of TAS metrics.

Time to execute automated tests

Speed and efficiency of TAS components

Which of the following statements is TRUE?
* A and B are both internal TAS metrics
* A is an internal TAS metric and B is an external TAS metric
* A and b are both external TAS metric
* A is and external TAS metric and b is an internal TAS metric

NEW QUESTION 18

The GUI of a Customer Relationship Management (CRM) application has been delivered through internet Explorer with proprietary Active X and Java controls. This implementation enables rich client capabilities, but specific commercial automation tools are necessary to automate test cases at GUI of functional test cases. This is to demonstrate whether a small set of the commercial are able to properly recognize actions taken by a tester when interacting with GUI of the CRM application.

Which of the following scripting techniques would be MOST suitable in this scenario?
* Data-driven scripting
* Keyword-driven scripting
* Linear scripting
* Structure scripting

NEW QUESTION 19

A project consists of distributed teams working in a 24-hour environment, where activities happen at all hours of the day. This project adopts a CI (Continuous Integration) process when developer check-in code and consists of automated activities that include generating a build and deploying it to a test environment.

Automated integration tests are run multiple times a day. The project have asked for a report containing the automation test results for every build, which must be available 24/7 to the project team.

Which of the following would be the BEST way to automatically provides this report?
* Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds), use this database to automatically update a dashboard containing the build history and test results accessible to the project team.
* Store the execution result of the integration tests for the last build to a database (overwriting the results from the previous build), automatically create atest execution report for this build send It via e-mail to the project team
* Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds). Automatically create a test execution report for this build and send it via e-mail to the project team
* Store the code coverage results of the integration tests for the last build to a database (without overwriting the results from the previous builds). And automatically create a chart showing the trend in code coverage and send via email to the project team.

NEW QUESTION 20

Which of the following statements about the reuse of TAS artefacts is TRUE?
* Reusable TAS artefacts can include components (or parts of components) associated with different layers of the TAA
* 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
* Communications maintenance and improvements for reusing TAS artefacts are modify addressed during the design of the TAA
* Reusable TAS artifacts associated with the definition layer of the TAA include the adaptors to the SUT components and/or interfaces

NEW QUESTION 21

Consider thefollowing example of TAS metrics.

Time to execute automated tests

Speed and efficiency of TAS components

Which of the following statements is TRUE?
* A and B are both internal TAS metrics
* A is an internal TAS metric and B is an external TAS metric
* A and b are both external TAS metric
* A is and external TAS metric and b is an internal TAS metric

NEW QUESTION 22

Your goal is to verify completeness, consistency and correct behavior of an automated test suite. The TAS has been proven to successfully install in the SUTenvironment. All the preliminary checks to verify the correct functioning of the automated test environment and test tool configuration, installation and setup have successfully completed.

Which of the following is NOT a relevant check for achieving your goal in this scenario?
* Checking whether all the test cases contain the expected results
* Checking whether the post condition have been fulfilled for all the test cases
* Checking whether the loading of the TAS is repeatable in the SUT environment
* Checking whether all the test cases produce repeatable outcomes

NEW QUESTION 23

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?
* 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.
* 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 itsbehavior
* Verify the behavior of the whole automated test suite by running all the automated tests
* Do not run any tests because you can immediately confirm the correct functioning of the automated test suite

NEW QUESTION 24

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?
* The approach used for deployed this tool is aligned to the standard success factor for deployment
* The pilot project should have been critical so that maximum benefits were delivered
* 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.
* The test process should be radically changed to gain additional benefits from using the tool.

NEW QUESTION 25

Designing the System Under Test (SUT) for testability is important for a good test automation approach and can also benefit manual test execution.

Which of the following is NOT a consideration when designing for testability?
* Observability: The SUT needs to provide interface that give insight into the system.
* Re-useability: The code written for the SUT must be re-useable for other similar system.
* Clearly defined architecture: The SUT Architecture needs to provide clear and understandable interfaces giving control and visibility on all test levels.
* Control: the SUT needs to provide interfaces that can be used to perform actions on SUT.

NEW QUESTION 26

Your goal is to verify completeness, consistency and correct behavior of an automated test suite. The TAS has been proven to successfully install in the SUT environment. All the preliminary checks to verify the correct functioning of the automated test environment and test tool configuration, installation and setup have successfully completed.

Which of the following is NOT a relevant check for achieving your goal in this scenario?
* Checking whether all the test cases contain the expected results
* Checking whether the post condition have been fulfilled for all the test cases
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* Checking whether all the test cases produce repeatable outcomes

NEW QUESTION 27

You are working on a TAS forstandaloneapplication. The automated tests are developed based on a automation framework that allows interaction with GUI elements using on object orientated API. The GUI elements includemenus, buttons, radio buttons, text toolbars and their properties.

Whilst automating a test, you have discovered that the GUI elements of some third party components are not identifiable by the automated tool you are using.

Which of the following is the FIRST step that you take to investigate this issue?
* Verify the testability support with the providers of the third party components
* Verify whether the GUI identification depends on the browser.

* Adopt an approach that uses the coordinates of the GUI elements instead
* Verify whether naming standards for variables and have been defined for the current automation solution

NEW QUESTION 28

A SUT has an existing automated test suite.

Which of the following statements relating to the introduction of new features in the SUT is TRUE?
* Automated tests are not affected by the introduction of a new feature and running them against the new SUT is a waste of effort
* The introduction of a new feature could require updates or additions to the testware components
* The test automation engineer should work with the business analysts to ensure the new feature is testable
* It is generally more difficult to automate test cases for a new feature as the development has not yet started

NEW QUESTION 29

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

NEW QUESTION 30

Which of the following metrics could suggest, under certain condition that an automated regression test suite has NOT been updated for new functionalities added to the SUT?
* The ratio of comments to executable statements in the SUT code.
* The SUT code coverage provided by the execution of the regression test suite.
* The defect density in the automation code of the regression test suite.
* The ratio of commands to executable statements in the automation code of the regression test suite

NEW QUESTION 31

Which of the following BEST describes why it is important to separate test definition from test execution in a TAA?
* It allows developing steps of the test process without being closely tied to the SUT interface.
* It allow choosing different paradigms (e.g event-driven) for the interaction TAS and SUT
* It allows specify test cases without being closely tied to the tool to run them against the SUT
* It allows testers to find more defects on the SUT

NEW QUESTION 32

Which of the following is NOT an advantage of test automation?
* The ability to perform tests which would be difficult or impossible to execute manually
* The ability to run more tests in less time and therefore to make it possible to run them more often
* The ability to find more defects with the same tests, compared to executing the same test manually
* The ability to enable a better use of skilled testers by freeing them from repetitive and boring tasks

ISQI CTAL-TAE Exam Syllabus Topics:

TopicDetailsTopic 1- Analyze the SUT responses during test executionto steer subsequent test runs- Understanddesign considerations for a TAATopic 2- Defining test scripts for the execution of the test case- Set up and tear down test suites

Topic 3- Relate test cases to test objectives or SUT requirements- Configure and parameterize the test setupTopic 4- Ability to trace the generated tests back to the model- Explaintherole that layers play within a TAA

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