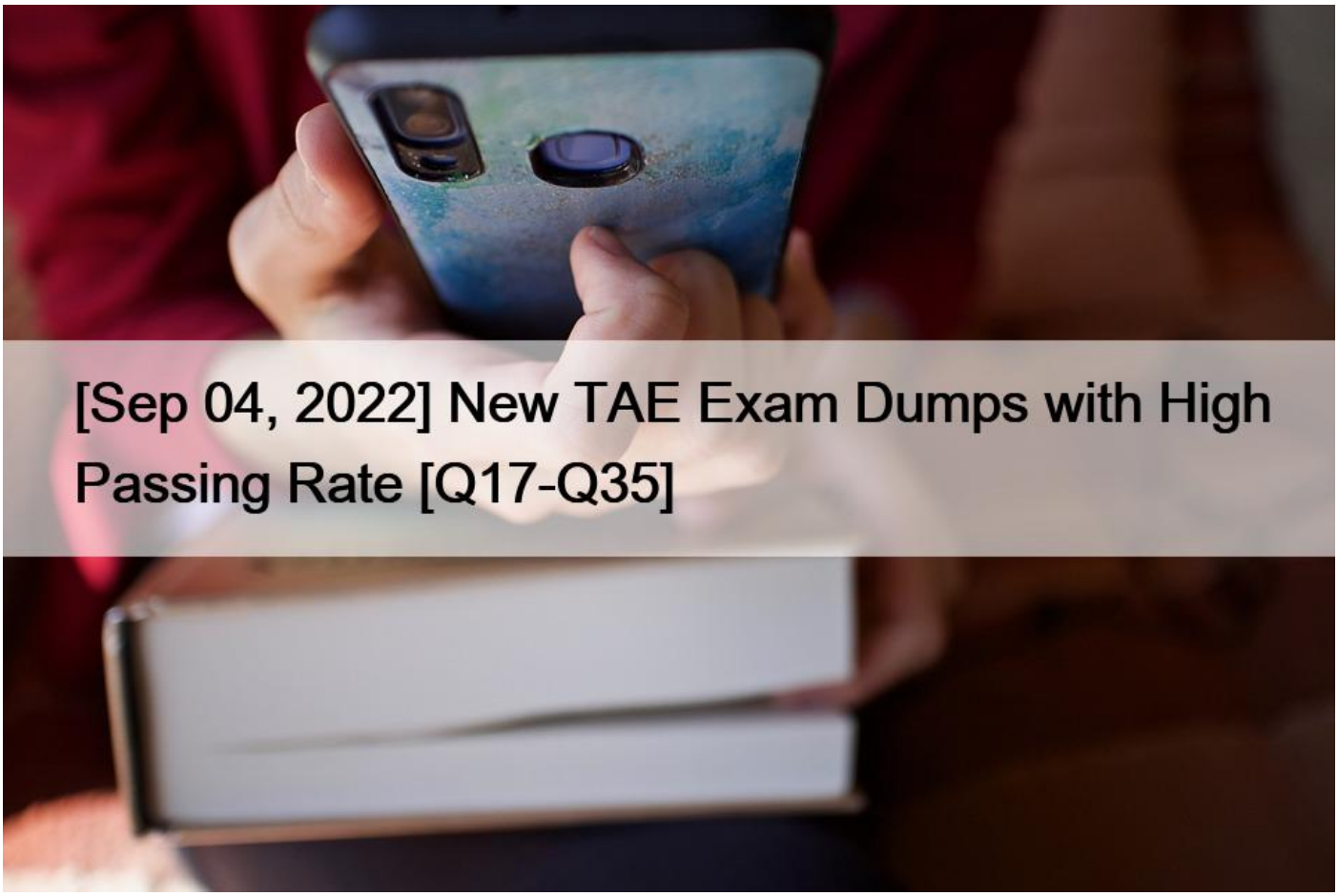
[Sep 04, 2022 New TAE Exam Dumps with High Passing Rate [Q17-Q35



[Sep 04, 2022] New TAE Exam Dumps with High Passing Rate
Get TAE Braindumps & TAE Real Exam Questions

BCS TAE Exam Syllabus Topics:

TopicDetailsTopic 1- Explain the factors to consider in implementing automated regression testing- Factors to Consider when Implementing Automation within New Feature TestingTopic 2- Selection of Test Automation Approach and Planning of Deployment- Rollout- Factors to Consider when Implementing Automation of Confirmation TestingTopic 3- Identify Steps Needed to Implement Automation within Regression Testing- Implement metrics collection methods to support technical and management requirementsTopic 4- Apply guidelines that support effective test tool pilot and deployment activities- Explain the role that layers play within a TAATopic 5- Apply criteria for determining the suitability of tests for automation- Explain the factors to consider in implementing automated confirmation testingTopic 6- Verify the correct behavior for a given automated test script and- or test suite- Analyze a system under test to determine the appropriate automation solution

Topic 7- Analyze factors of implementation, use, and maintenance requirements for a given TAS- Understand design considerations for a TAATopic 8- Explain the factors to be considered when identifying reusability of components- Apply components of the generic TAA (gTAA) to construct a purpose-built TAATopic 9- Explain how a test execution report is constructed and published- Identify technical success factors of a test automation project

NEW QUESTION 17

Which of the following metrics could suggest, under certain condition that an automated regression test suite has NOT been updated fornew 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 18

As a TAE you are evaluating a functional test automation tool that will be for several projects within yourorganization. The projects require that tool to work effectively and efficiently with SUT’s in distributed environments. The test automated tool also needs to interface with other existing test tools (test management tool and defect tracking tool.) The existing test tools subject to planned updates and their interface to the test automated tool may not work property after these updates.

Which of the following are the two LEAST important concerns related to the evaluation of the test automation in this scenario?

* Is the test automation tool able to launch processors and execute test cases on multiple machines in different environments?

* Does the test automation tool support a licensing scheme that allows accessing different sets?

* Does the testautomation tool have a large feature set, but only part of the features will be sets?

* Do the release notes for the planned updates on existing specify the impacts on their interfaces to other tools?

Does the test automation tool need to install specific libraries that could impact the SUT?
* A and C
* A and E
* B and E
* C and D

NEW QUESTION 19

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

NEW QUESTION 20

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 toverify 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 casesproduce repeatable outcomes

NEW QUESTION 21

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 addressedduring 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 22

You are reviewing the testability of your SUT.

Which of the following BEST refers to the characteristic of OBSERVABILITY?
* The ability of the SUTto perform its intended function for a specified period of time
* The ability to exercise the SUT by entering inputs, triggering events and invoking methods
* The ability of the SUT to prevent unauthorized access to its components or data.
* The abilityto identify states, outputs, intermediate result and error messages in the SUT

NEW QUESTION 23

Which of the following success factors for a test automation project is TRUE?
* Automated tests must be designed to capture only the datathat is strictly needed for comparing expected and actual results
* The test cases to be automated first must always be selected based on the number of times a test will need to be run
* The test cases to be automated must have a high dependency on particular data values
* Automated tests that fail due to changes in the requirements of the SUT should be promptly fixed rather than disabled from the test suite

NEW QUESTION 24

You are working on a TAS for standalone application. The automated tests are developed based on a automation framework that allows interaction with GUI elements using on object orientated API. The GUI elements include menus, 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 25

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 thenecessary 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-3, b-4, c-1, d-2
* a-4, b-3, c-1, d-2
* a-4, b-3, c-2, d-1
* a-3, b-4, c-2, d-1

NEW QUESTION 26

Consider a TAS deployed into production. The SUT is a web application and the test suite consists of a set of automated regression tests developed via GUI. A keyword-driven framework has been adopted for automating the regression tests. The tests are based on identification at low-levels of the web page components (e.g class indexes, tab sequence indexes and coordinates) in the next planned release the SUT will be subject to significant corrective maintenance (bug-fixes) and evolution (new features) Maintenance costs to update the test scripts should be as low as possibleand the scripts must be highly reusable.

Which of the following statements is most likely to be TRUE?
* The keyword-driven framework is not suitable, it would be better to adopt a structured-scripting approach
* False positive errors are likely to occurwhen running the automated tests on the new releases without modifying the test
* The total execution time of the automated regression test suite will decrease for each planned release.
* The keyword-driven framework introduces a level abstraction that is too high and makes it difficult what really happens

NEW QUESTION 27

Which of the following statements does NOT describe good practice for maintaining the TAS?
* The TAS must run in the development environment because development and programming knowledge are required for its maintainability
* The TAS must be under configuration management, along with the test suite, the testware artefacts and the test environment in which it runs
* The TAS must separate the test scripts from the environment in which it runs and from the associated harnesses and artefacts

* The TAS must consist of components that can be easily replaced without affecting the overall behavior of the TAS itself

NEW QUESTION 28

You are currently designing the TAA of a TAS. You have been asked to adopt an approach forautomatically generating and executing test cases from a model that defines the SUT. The SUT is a state-based and event-driven that is described by a finite-state machine and exposes its functionality via an API. The behavior of the SUT depends on hardwareand communication links that can be unreliable.

Which of the following aspects is MOST important when designing the TAA in this scenario?
* Looking for tools that allows direct denoting of exceptions and actions depending on the SUT events.
* Adopting a test definition strategy based on classification tree coverage for the test definition layer.
* Looking for tools that allow performing setup and teardown of the test suites and the SUT.
* Adopting a test definition strategy based on use case/exception case coverage for the definition layer.

NEW QUESTION 29

Which of the following statement about the implementation of automated regression testing is FALSE?
* When automating regression tests, the structure of automated tests must always be thesame as the corresponding manual tests
* When automating regression tests, the corresponding manual tests should have already been executed to verify they operate correctly
* When automating regression tests, the initialization steps set the testpreconditions should be automated wherever possible
* When automating regression tests, consideration should be given to how much time would be saved by automation

NEW QUESTION 30

A TAS uses a commercial test automation tool and the default logs generated by the inconsistent formats such as different types of messages (pass/fail steps, screenshots, warnings, etc.) To solve this issue some custom logging functions have been created from the test scripts, making it possible tolog the different types of messages with the same format. However, this may cause a problem due to excessive size of the logs which can make it difficult to find the required information. Assume that all the default logs will be disabled when running theautomated tests and that some tests will not generate excessively sized logs.

Which of the following represents the BEST suggestion for implementing the custom logging functions?
* Implement the custom logging functions without saving timestamps
* Implement the custom logging functions to support different levels of tracing
* Implement the custom logging functions without saving stack traces
* Implement the custom logging functions to redirect the logs to multiple files

NEW QUESTION 31

A regression test suite consist of 500 test cases which are allexecuted 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 lastedone 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?
* Theduration 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
* The target defined for the business case seems difficult to hit – it should be realistic

NEW QUESTION 32

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.