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ISTQB

CTAL-TAE

ISTQB Certified Tester
Advanced Level, Test
Automation Engineering
Exam

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(s): C

QUESTION: 2

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(s): D

QUESTION: 3

You have been asked to determine a TAS for a new release of a SUT, test should be automated wherever. The new release will consist of 5 new interfaces and an amendment to 3 existing interfaces. The new and amended interface will be delivered incrementally in 3 sprints, each lasting 2 weeks.

What would be the BEST Test Automation Solution (TAS) design in this scenario?

- A. Automate tests at both Component and System Level. Only do this automation once every interface has been fully developed or amended and manual testing has completed successfully.
- B. Automate tests at one level only, System level. Use only the newly developed interfaces and do not create any customized interfaces/test hooks.
- C. Automate the tests at two levels, Component and System level. Create customized hooks at Component level for interface not yet developed or amended. Only use the newly developed or amended interfaces to test at System level.
- D. Automate a test at once level, component level, Create customized interface/test hooks for this level where the interface has not yet been developed or amended.

Answer(s): A, C

QUESTION: 4

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 an 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?

- A. Verify the testability support with the providers of the third party components
- B. Verify whether the GUI identification depends on the browser.
- C. Adopt an approach that uses the coordinates of the GUI elements instead
- D. Verify whether naming standards for variables and have been defined for the current automation solution

Answer(s): C

QUESTION: 5

As a TAE you are evaluating a functional test automation tool that will be for several projects within your organization. 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 properly 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 test automation 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. A and C
- B. A and E
- C. B and E
- D. C and D

Answer(s): C

QUESTION: 6

You are reviewing the testability of your SUT.

Which of the following BEST refers to the characteristic of OBSERVABILITY?

- A. The ability of the SUT to perform its intended function for a specified period of time
- B. The ability to exercise the SUT by entering inputs, triggering events and invoking methods
- C. The ability of the SUT to prevent unauthorized access to its components or data.
- D. The ability to identify states, outputs, intermediate result and error messages in the SUT

Answer(s): A

QUESTION: 7

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?

- A. Observability: The SUT needs to provide interface that give insight into the system.
- B. Re-useability: The code written for the SUT must be re-useable for other similar system.