



ISTQB CT-TAE Mock Exam

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Question 1

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 2

Question Type: MultipleChoice

In order to achieve re-use of a TAS, where SHOULD the design for reuse occur?

Options:

- A- At the code level
- B- At the framework level.
- C- At the TAS level
- D- At the TAA level

Answer:

C

Question 3

Question Type: MultipleChoice

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?

Options:

- A- The ratio of comments to executable statements in the SUT code.
- B- The SUT code coverage provided by the execution of the regression test suite.
- C- The defect density in the automation code of the regression test suite.
- D- The ratio of commands to executable statements in the automation code of the regression test suite

Answer:

B

Question 4

Question Type: MultipleChoice

You are implementing a TAS for a system that has been live for over three years, using a hybrid waterfall and agile lifecycle. Live updates are made on a monthly basis.

There is no test team, with developers designing and executing unit and integration tests with some degree of automation and business analysts designing and executing manual tests at the system level. No formal test process exists, although the system has proved relatively stable for most of the time.

Unfortunately, the last two monthly releases were problematic with regression defects found in production. Your priority is the automation of functional regression tests at the system level, the budget for this has been approved by project stakeholders.

The Business Analysts have identified which test cases are most suitable for regression. You must use the organisation's long standing commercial automation tool which has passed a proof of concept in the platform for the system in question.

Which option best suitability criteria needs the MOST attention for the TAS?

Options:

- A- Technical planning in support of ROI analysis
- B- Frequency of use.
- C- Compatibility and tool support
- D- Maturity of the test process

Answer:

C

Question 5

Question Type: MultipleChoice

Your functional regression test automation suite ran successfully for the first two sprints and no failures were encountered during the runs. The automation suite records the status of each test case as either 'pass' or 'fail' and has excellent recovery capability built in.

For the third sprint, the TAS log reported several test cases with a status of 'fail'. You investigated each test case and found that most failures were due to a defect in one of the keyword scripts, rather than in the SUT. For those where the failure was in the SUT, defect reports were raised but several were returned by the developers asking for more information to enable them to reproduce the problem.

Which additional log items SHOULD you add to the TAS that would BEST improve failure analysis and defect reporting for future sprints?

- a) Dynamic measurement information about the SUT.
- b) A status of 'TAS error', in addition to 'pass' and 'fail', for each test case.
- c) Use of a colour coding scheme so that 'pass' is in red and 'fail' is in green.
- d) A counter to determine how many times each test case has been executed.
- e) System configuration information including software/firmware and operating system versions.
- f) A copy of the source code for all Keyword scripts executed.

Options:

- A- a and b
- B- d and e
- C- a and c
- D- b and e

Answer:

B



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