ISTQB CT-TAE

ISTQB TEST AUTOMATION ENGINEER CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

CT-TAE

ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE)

40 Questions Exam – 65% Cut Score – Duration of 90 minutes

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Know Your CT-TAE Certification Well:

The CT-TAE is best suitable for candidates who want to gain knowledge in the ISTQB Specialist. Before you start your CT-TAE preparation you may struggle to get all the crucial Test Automation Engineer materials like CT-TAE syllabus, sample questions, study guide.

But don't worry the CT-TAE PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the CT-TAE syllabus?
- How many questions are there in the CT-TAE exam?
- Which Practice test would help me to pass the CT-TAE exam at the first attempt?

Passing the CT-TAE exam makes you ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE). Having the Test Automation Engineer certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

ISTQB CT-TAE Test Automation Engineer Certification Details:

Exam Name	ISTQB Certified Tester Test Automation Engineer
Exam Code	CT-TAE
Exam Fee	USD $199
Exam Duration	90 Minutes
Number of Questions	40
Passing Score	65%
Format	Multiple Choice Questions
Schedule Exam	**Pearson VUE**
Sample Questions	**ISTQB CTAL - Test Automation Engineer Exam Sample Questions and Answers**
Practice Exam	**ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE) Practice Test**

CT-TAE Syllabus:

Topic	Details
Introduction and Objectives for Test Automation - 30 mins.	
Purpose of Test Automation	- Explain the objectives, advantages, disadvantages and limitations of test automation
Success Factors in Test Automation	- Identify technical success factors of a test automation project
Preparing for Test Automation - 165 mins.	
SUT Factors Influencing Test Automation	- Analyze a system under test to determine the appropriate automation solution
Tool Evaluation and Selection	- Analyze test automation tools for a given project and report technical findings and recommendations
Design for Testability and Automation	- Understand "design for testability" and "design for test automation" methods applicable to the SUT
The Generic Test Automation Architecture - 270 mins.	
Introduction to gTAA	- Explain the structure of the gTAA
TAA Design	- Design the appropriate TAA for a given project - Explain the role that layers play within a TAA - Understand design considerations for a TAA - Analyze factors of implementation, use, and maintenance requirements for a given TAS
TAS Development	- Apply components of the generic TAA (gTAA) to construct a purpose-built TAA - Explain the factors to be considered when identifying reusability of components
Deployment Risks and Contingencies - 150 mins.	
Selection of Test Automation Approach and Planning of Deployment/Rollout	- Apply guidelines that support effective test tool pilot and deployment activities
Risk Assessment and Mitigation Strategies	- Analyze deployment risks and identify technical issues that could lead to failure of the test automation project, and plan mitigation strategies
Test Automation Maintenance	- Understand which factors support and affect TAS maintainability

Topic	Details
Test Automation Reporting and Metrics - 165 mins.	
Selection of TAS Metrics	- Classify metrics that can be used to monitor the test automation strategy and effectiveness
Implementation of Measurement	- Implement metrics collection methods to support technical and management requirements. Explain how measurement of the test automation can be implemented.
Logging of the TAS and the SUT	- Analyze test logging of both TAS and SUT data
Test Automation Reporting	- Explain how a test execution report is constructed and published
Transitioning Manual Testing to an Automated Environment - 120 mins.	
Criteria for Automation	- Apply criteria for determining the suitability of tests for automation - Understand the factors in transitioning from manual to automation testing
Identify Steps Needed to Implement Automation within Regression Testing	- Explain the factors to consider in implementing automated regression testing
Factors to Consider when Implementing Automation within New Feature Testing	- Explain the factors to consider in implementing automation within new feature testing
Factors to Consider when Implementing Automation of Confirmation Testing	- Explain the factors to consider in implementing automated confirmation testing
Verifying the TAS - 120 mins.	
Verifying Automated Test Environment Components	- Verify the correctness of an automated test environment including test tool setup
Verifying the Automated Test Suite	- Verify the correct behavior for a given automated test script and/or test suite

Topic	Details
Continuous Improvement - 150 mins.	
Options for Improving Test Automation	- Analyze the technical aspects of a deployed test automation solution and provide recommendations for improvement
Adapting Test Automation to environment and SUT changes	- Analyze the automated testware, including test environment components, tools and supporting function libraries, in order to understand where consolidation and updates should be made following a given set of test environment or SUT changes

ISTQB CT-TAE Sample Questions:

Question: 1

When implementing results reporting for test automation, what is a good way to allow the reader to make a quick assessment of the progress of the test execution?

a) Traffic lights.
b) Detailed reports with percentages of completion.
c) Database of results.
d) Spreadsheets.

Answer: a

Question: 2

You have executed an automated test suite for a product that was released to production. Although your tests passed, there was a major failure in production in an area that is well covered by your automated tests. You have verified that your tests did pass and that the reporting of the results was correct.

What should you do now to verify the validity of your tests?

a) Change your test data and run the tests again.
b) Run tests that should fail and verify that they fail.
c) Check that the post conditions of each test case are being verified correctly.
d) Run tests that should pass and verify that they pass.

Answer: c

Question: 3

You are testing a system that is updated by monthly service packs. You are testing multiple versions of the SUT simultaneously. Your TAS is complex and you need to ensure it remains consistent across the different SUT environments.

How will you ensure that the same version of the TAS is used to test each SUT?

- a) Develop a tool to track historical test results.
- b) Update the TAS each time the SUT is patched.
- c) Install the TAS into the SUT environments from a central repository.
- d) Revert back to manual testing.

Answer: c

Question: 4

You have been reviewing the test cases in your TAS and have discovered that there is a wide variety of methods the TAEs have used to handle system errors. How should you handle this?

- a) Establish an error recovery process in the TAS and ensure all test cases are using that process.
- b) Create a library of recovery processes so there is better reuse between the different scripts.
- c) Move to a keyword-driven approach and make recovery one of the keywords.
- d) Provide better wait time handling in the scripts to avoid system errors.

Answer: a

Question: 5

Which of the following is an important technical success factor for any significant automation project?

- a) The TAA must be designed for learnability.
- b) The SUT must be self-documenting
- c) The TAA must support the ability to automate all manual tests.
- d) The GUI interaction and data must be coupled with the graphical interface

Answer: a

Question: 6

Who should provide feedback to the TAE when implementing new features to an existing TAS?

- a) Business Analysts
- b) Senior Managers
- c) System Administrators
- d) Test Designers with domain expertise

Answer: d

Question: 7

You have been asked to conduct a pilot for the test automation tool. You have identified a suitable target project (average size and cost), planned the pilot (treating it as a development effort), and conducted the pilot. What should be your next step?

a) Evaluate the results within the pilot testing team and prepare a report for management.
b) Conduct another pilot on a trivial project to ensure the time requirements will not be too high on small projects.
c) Conduct another pilot on a critical project to ensure the tool will work when it really matters.
d) Evaluate the results engaging the stakeholders to gather their viewpoints.

Answer: d

Question: 8

When publishing a test execution report which key attribute must the report contain?

a) Test case steps
b) Test environment
c) Assessment of the reliability of the SUT
d) Root cause of any failures

Answer: b

Question: 9

You have been asked to distribute the results of your test automation daily. The preferred method for distribution of these results is via e-mail. What is an important characteristic of your test automation reporting that will allow you to provide this information?

a) It should allow you to capture an audio message to accompany test results.
b) It should integrate with a common third party tool.
c) It should provide a way to publish the test log library.
d) It should allow you to supplement the results with manual commentary.

Answer: b

Question: 10

What is a stated goal for automated regression test coverage if it is to ascertain the overall quality of the SUT?

a) Broad.
b) Broad and deep.
c) Cursory.
d) Deep.

Answer: b

Study Guide to Crack ISTQB Test Automation Engineer CT-TAE Exam:

- Getting details of the CT-TAE syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the CT-TAE exam.

- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.

- Joining the ISTQB provided training for CT-TAE exam could be of much help. If there is specific training for the exam, you can discover it from the link above.

- Read from the CT-TAE sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.

- Practicing on CT-TAE practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for CT-TAE Certification

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