

# ISTQB CT-TAE

ISTQB CTAL - TEST AUTOMATION ENGINEER  
CERTIFICATION QUESTIONS & ANSWERS

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**CT-TAE**

[ISTQB Certified Tester Advanced Level - Test Automation Engineer \(CT-TAE\)](#)

40 Questions Exam – 49/75 Cut Score – Duration of 90 minutes

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## Discover More about the CT-TAE Certification

Are you interested in passing the ISTQB CT-TAE exam? First discover, who benefits from the CT-TAE certification. The CT-TAE is suitable for a candidate if he wants to learn about Specialist. Passing the CT-TAE exam earns you the ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE) title.

While preparing for the CT-TAE exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The CT-TAE PDF contains some of the most valuable preparation tips and the details and instant access to useful CT-TAE study materials [just at one click](#).

## ISTQB CT-TAE Test Automation Engineer Certification Details:

<b>Exam Name</b>	ISTQB Certified Tester Test Automation Engineer
<b>Exam Code</b>	CT-TAE
<b>Exam Fee</b>	USD \$199
<b>Exam Duration</b>	90 Minutes
<b>Number of Questions</b>	40
<b>Passing Score</b>	49/75
<b>Format</b>	Multiple Choice Questions
<b>Schedule Exam</b>	<a href="#">Pearson VUE</a>
<b>Sample Questions</b>	<a href="#">ISTQB CTAL - Test Automation Engineer Exam Sample Questions and Answers</a>
<b>Practice Exam</b>	<a href="#">ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE) Practice Test</a>

## CT-TAE Syllabus:

Topic	Details
<b>Introduction and Objectives for Test Automation - 30 mins.</b>	
<b>Purpose of Test Automation</b>	- Explain the objectives, advantages, disadvantages and limitations of test automation
<b>Success Factors in Test Automation</b>	- Identify technical success factors of a test automation project
<b>Preparing for Test Automation - 165 mins.</b>	
<b>SUT Factors Influencing Test Automation</b>	- Analyze a system under test to determine the appropriate automation solution
<b>Tool Evaluation and Selection</b>	- Analyze test automation tools for a given project and report technical findings and recommendations
<b>Design for Testability and Automation</b>	- Understand "design for testability" and "design for test automation" methods applicable to the SUT
<b>The Generic Test Automation Architecture - 270 mins.</b>	
<b>Introduction to gTAA</b>	- Explain the structure of the gTAA
<b>TAA Design</b>	<ul style="list-style-type: none"> <li>- Design the appropriate TAA for a given project</li> <li>- Explain the role that layers play within a TAA</li> <li>- Understand design considerations for a TAA</li> <li>- Analyze factors of implementation, use, and maintenance requirements for a given TAS</li> </ul>
<b>TAS Development</b>	<ul style="list-style-type: none"> <li>- Apply components of the generic TAA (gTAA) to construct a purpose-built TAA</li> <li>- Explain the factors to be considered when identifying reusability of components</li> </ul>
<b>Deployment Risks and Contingencies - 150 mins.</b>	
<b>Selection of Test Automation Approach and Planning of Deployment/Rollout</b>	- Apply guidelines that support effective test tool pilot and deployment activities

<b>Topic</b>	<b>Details</b>
<b>Risk Assessment and Mitigation Strategies</b>	- Analyze deployment risks and identify technical issues that could lead to failure of the test automation project, and plan mitigation strategies
<b>Test Automation Maintenance</b>	- Understand which factors support and affect TAS maintainability
<b>Test Automation Reporting and Metrics - 165 mins.</b>	
<b>Selection of TAS Metrics</b>	- Classify metrics that can be used to monitor the test automation strategy and effectiveness
<b>Implementation of Measurement</b>	- Implement metrics collection methods to support technical and management requirements. Explain how measurement of the test automation can be implemented.
<b>Logging of the TAS and the SUT</b>	- Analyze test logging of both TAS and SUT data
<b>Test Automation Reporting</b>	- Explain how a test execution report is constructed and published
<b>Transitioning Manual Testing to an Automated Environment - 120 mins.</b>	
<b>Criteria for Automation</b>	- Apply criteria for determining the suitability of tests for automation - Understand the factors in transitioning from manual to automation testing
<b>Identify Steps Needed to Implement Automation within Regression Testing</b>	- Explain the factors to consider in implementing automated regression testing
<b>Factors to Consider when Implementing Automation within New Feature Testing</b>	- Explain the factors to consider in implementing automation within new feature testing
<b>Factors to Consider when Implementing Automation of Confirmation Testing</b>	- Explain the factors to consider in implementing automated confirmation testing

Topic	Details
<b>Verifying the TAS - 120 mins.</b>	
<b>Verifying Automated Test Environment Components</b>	- Verify the correctness of an automated test environment including test tool setup
<b>Verifying the Automated Test Suite</b>	- Verify the correct behavior for a given automated test script and/or test suite
<b>Continuous Improvement - 150 mins.</b>	
<b>Options for Improving Test Automation</b>	- Analyze the technical aspects of a deployed test automation solution and provide recommendations for improvement
<b>Adapting Test Automation to environment and SUT changes</b>	- 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

## Broaden Your Knowledge with ISTQB CT-TAE Sample Questions:

### Question: 1

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: 2**

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: 3**

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: 4**

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: 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**

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: 7**

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: 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**

## Avail the Study Guide to Pass ISTQB CT-TAE Test Automation Engineer Exam:

- Find out about the CT-TAE syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [CT-TAE syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the CT-TAE training. Joining the ISTQB provided training for CT-TAE exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [CT-TAE sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. CT-TAE practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

Passing the CT-TAE exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

### Here Is the Trusted Practice Test for the CT-TAE Certification

ProcessExam.Com is here with all the necessary details regarding the CT-TAE exam. We provide authentic practice tests for the CT-TAE exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on ProcessExam.Com for rigorous, unlimited two-month attempts on the [CT-TAE practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the ISTQB Certified Tester Advanced Level - Test Automation Engineer (CT-TAE).

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