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ISTQB CTAL-TTA

ISTQB TECHNICAL TEST ANALYST CERTIFICATION QUESTIONS & ANSWERS

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CTAL-TTA

ISTQB Certified Tester Advanced Level - Technical Test Analyst (CTAL-TTA)

45 Questions Exam – 65% Cut Score – Duration of 120 minutes

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Discover More about the CTAL-TTA Certification

Are you interested in passing the ISTQB CTAL-TTA exam? First discover, who benefits from the CTAL-TTA certification. The CTAL-TTA is suitable for a candidate if he wants to learn about Software Testing. Passing the CTAL-TTA exam earns you the ISTQB Certified Tester Advanced Level - Technical Test Analyst (CTAL-TTA) title.

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

ISTQB CTAL-TTA Technical Test Analyst Certification Details:

Exam Name	ISTQB Certified Tester Advanced Level - Technical Test Analyst
Exam Code	CTAL-TTA
Exam Fee	USD $190
Exam Duration	120 Minutes
Number of Questions	45
Passing Score	65%
Format	Multiple Choice Questions
Schedule Exam	**Pearson VUE**
Sample Questions	**ISTQB CTAL-Technical Test Analyst Exam Sample Questions and Answers**
Practice Exam	**ISTQB Certified Tester Advanced Level - Technical Test Analyst (CTAL-TTA) Practice Test**

CTAL-TTA Syllabus:

Domain	Details
The Technical Test Analyst's Tasks in Risk-Based Testing	
Risk-based Testing Tasks	- (K2) Summarize the generic risk factors that the Technical Test Analyst typically needs to consider - (K2) Summarize the activities of the Technical Test Analyst within a risk-based approach for testing activities
White-box Test Techniques	
Statement Testing	- (K3) Design test cases for a given test object by applying statement testing to achieve a defined level of coverage
Decision Testing	- (K3) Design test cases for a given test object by applying the Decision test technique to achieve a defined level of coverage
Modified Condition/Decision Testing	- (K3) Design test cases for a given test object by applying the modified condition/decision test technique to achieve full modified condition/decision coverage (MC/DC)
Multiple Condition Testing	- (K3) Design test cases for a given test object by applying the multiple condition test technique to achieve a defined level of coverage
API Testing	- (K2) Understand the applicability of API testing and the kinds of defects it finds
Selecting a White-box Test Technique	- (K4) Select an appropriate white-box test technique according to a given project situation
Static and Dynamic Analysis	
Static Analysis	- (K3) Use control flow analysis to detect if code has any control flow anomalies and to measure cyclomatic complexity - (K3) Use data flow analysis to detect if code has any data flow anomalies - (K3) Propose ways to improve the maintainability of code by applying static analysis
Dynamic Analysis	- (K3) Apply dynamic analysis to achieve a specified goal
Quality Characteristics for Technical Testing	
General Planning Issues	- (K4) For a particular scenario, analyze the non-functional requirements and write the respective sections of the test plan - (K3) Given a particular product risk, define the particular non-functional test type(s) which are most appropriate

Domain	Details
	- (K2) Understand and explain the stages in an application's software development lifecycle where non-functional testing should typically be applied - (K3) For a given scenario, define the types of defects you would expect to find by using the different non-functional test types
Security Testing	- (K2) Explain the reasons for including security testing in a test approach - (K2) Explain the principal aspects to be considered in planning and specifying security tests
Reliability Testing	- (K2) Explain the reasons for including reliability testing in a test approach - (K2) Explain the principal aspects to be considered in planning and specifying reliability tests
Performance Testing	- (K2) Explain the reasons for including performance testing in a test approach - (K2) Explain the principal aspects to be considered in planning and specifying performance testing
Maintainability Testing	- (K2) Explain the reasons for including maintainability testing in a test approach
Portability Testing	- (K2) Explain the reasons for including portability testing in a test approach
Compatibility Testing	- (K2) Explain the reasons for including coexistence testing in a test approach
Reviews	
Technical Test Analyst Tasks in Reviews	- (K2) Explain why review preparation is important for the Technical Test Analyst
Using Checklists in Reviews	- (K4) Analyze an architectural design and identify problems according to a checklist provided in the syllabus - (K4) Analyze a section of code or pseudo-code and identify problems according to a checklist provided in the syllabus
Test Tools and Automation	
Defining the Test Automation Project	- (K2) Summarize the activities that the Technical Test Analyst performs when setting up a test automation project - (K2) Summarize the differences between data-driven and keyword-driven automation - (K2) Summarize common technical issues that cause automation projects to fail to achieve the planned return on investment

Domain	Details
	- (K3) Construct keywords based on a given business process
Specific Test Tools	- (K2) Summarize the purpose of tools for fault seeding and fault injection - (K2) Summarize the main characteristics and implementation issues for performance testing tools - (K2) Explain the general purpose of tools used for web-based testing - (K2) Explain how tools support the practice of model-based testing - (K2) Outline the purpose of tools used to support component testing and the build process - (K2) Outline the purpose of tools used to support mobile application testing

Broaden Your Knowledge with ISTQB CTAL-TTA Sample Questions:

Question: 1

Which of the following reasons can be given for including co-existence testing in a test approach?

a) An application is intended to be operated on different platforms
b) Several changes are planned to an application's code modules. Changes to one module should have an impact on other modules
c) More than one unrelated application is to be deployed on the same environment
d) The usage of system resources must be measured against a predefined benchmark

Answer: c

Question: 2

Which of the following BEST describe the objective of tools supporting web-based testing?

a) To generate test cases by executing a model of the run-time behavior.
b) To isolate faults in the user interface by changing variable values during line by line code execution.
c) To measure the quality of a test suite by injecting defects into the test object.
d) To check for accessibility standards violations.
e) To check for orphaned files by scanning through the server.

Answer: d, e

Question: 3

Which of the following types of defects are targeted by API testing?

Select TWO options.

a) incorrect data handling.
b) timing problems.
c) loss of transactions.
d) non-conformance to coding standards.
e) lack of usability.
f) installation defects.

Answer: a, b

Question: 4

A new business application is being developed for deployment on a Windows-based platform. If the application is successful there are plans for deployment to other platforms.

Which of the following quality characteristics should be given priority in the test approach?

a) Installability
b) Adaptability
c) Replaceability
d) Co-existence

Answer: b

Question: 5

The planning and specification of security tests for a new web-based hotel reservation system is to be carried out at your next sprint planning meeting.

Which of the following activities should NOT be considered at the meeting?

a) Deciding on the code modules for static analysis
b) Agreeing with developers on their participation
c) Deciding on the operational profiles to use
d) Checking on approvals for performing the tests

Answer: c

Question: 6

When participating in a risk analysis, the Technical Test Analyst is expected to work closely with which of the following sets of people?

a) Developers
b) Users
c) Business analysts
d) Project sponsors

Answer: a

Question: 7

A new personal banking system is to be developed for use on mobile devices. Which of the following reasons which would justifying including security testing in the test approach?

a) To ensure the product can be effectively and efficiently modified without introducing defects
b) To ensure that the software does not exhibit unintended side-effects when performing its intended function
c) To evaluate whether the application installs correctly on a mobile device
d) To check that available functions are correctly implemented
e) To ensure that no sensitive data can be copied

Answer: b, e

Question: 8

Which of the following statements BEST captures the difference between data-driven and keyword-driven test automation?

a) Keyword-driven test automation can extend data-driven automation by defining keywords corresponding to actions in business processes
b) Data-driven test automation extends keyword-driven automation by storing test data in spreadsheets or databases
c) Data-driven test automation is more maintainable than keyword-driven test automation
d) Keyword-driven test automation requires fewer skills to develop than data-driven test automation

Answer: a

Question: 9

Which of the following statements about component testing tools and build automation tools is FALSE?

a) An xUnit framework can be used to automate component testing; build automation tools execute automated component tests.
b) A JUnit framework can simplify automation of component testing in a Java environment; build automation tools automatically trigger the component tests whenever a component changes in a build.
c) Component testing frameworks can simplify automation of component testing; build automation tools allow a new build to be triggered when a component is changed.
d) Component testing tools can be used against multiple programming languages; build automation tools allow a new build to be triggered when a component changes.

Answer: a

Question: 10

Consider the following product risk: Abnormal application termination due to network connection failure Which of the following is the appropriate test type to address this risk?

a) Reliability testing.
b) Performance testing.
c) Operability testing.
d) Portability testing.

Answer: a

Avail the Study Guide to Pass ISTQB CTAL-TTA Technical Test Analyst Exam:

- Find out about the CTAL-TTA 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 **CTAL-TTA 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 CTAL-TTA training. Joining the ISTQB provided training for CTAL-TTA 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 **CTAL-TTA sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. CTAL-TTA 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 CTAL-TTA 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.