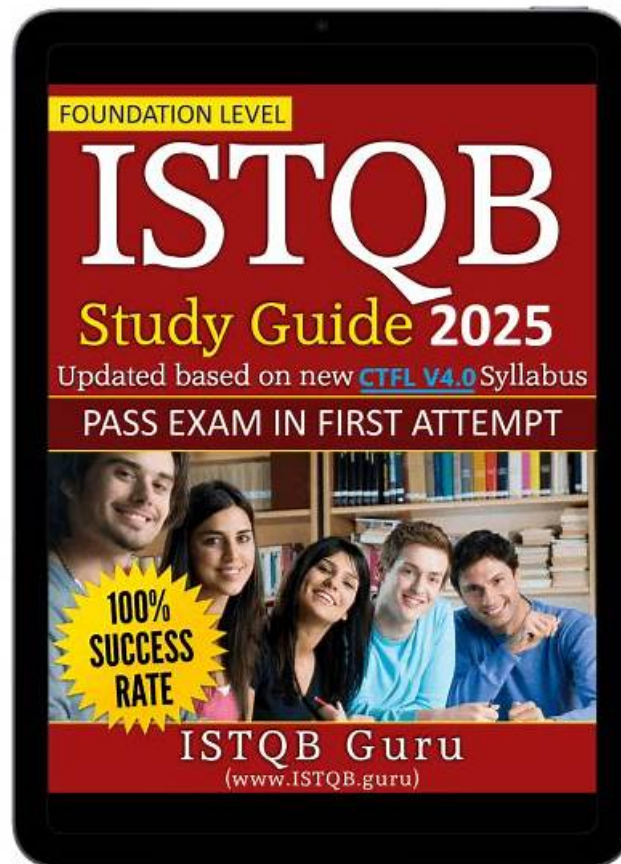


100% Pass 2025 CT-PT: ISTQB Certified Tester - Performance Testing—Efficient Reliable Braindumps Sheet



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ISTQB CT-PT Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Types of Performance Testing: This section of the exam measures the skills of Software Test Analysts and covers various approaches such as load, stress, scalability, spike, endurance, concurrency, and capacity testing. It explains how each type evaluates system behavior under different conditions, helping testers and stakeholders understand how the system handles both expected and extreme usage scenarios.

Topic 2	<ul style="list-style-type: none"> • The Concept of Load Generation: This section of the exam measures the skills of Software Test Analysts and discusses how representative loads are modeled and produced to simulate user or process behavior. It explores methods such as user interface inputs, crowdsourcing, API-based calls, or protocol capture and playback, emphasizing the need for repeatable loads that accurately reflect real-world conditions.
Topic 3	<ul style="list-style-type: none"> • Common Failures in Performance Testing and Their Causes: This section of the exam measures the skills of Performance Engineers and outlines frequent failure modes, including slow responses at various load levels, degraded performance over time, and system crashes under peak conditions. It provides examples of underlying causes such as resource leaks, insufficient capacity, and poor handling of spikes or concurrency, illustrating why robust planning and monitoring are crucial for reliable performance.
Topic 4	<ul style="list-style-type: none"> • Testing Types in Performance Testing: This section of the exam introduces the distinction between static and dynamic performance testing. It shows how reviews of requirements, architecture, and code can identify risks before coding is complete, and how runtime checks of resource utilization and response times reveal issues that only appear when the system is in operation.

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ISTQB Certified Tester - Performance Testing Sample Questions (Q38-Q43):

NEW QUESTION # 38

When following the principal performance testing activities, when are resources allocated?

- A. During test completion
- **B. During test planning**
- C. During test execution
- D. During test evaluation

Answer: B

Explanation:

Resource allocation happens during the test planning phase, where hardware, tools, and personnel are assigned to the project. This ensures that performance tests are adequately supported.

Option B (Test execution) is when resources are actually used, not allocated.

Option C (Test evaluation) happens after execution to analyze results.

Option D (Test completion) focuses on documentation and reporting.

NEW QUESTION # 39

Which of the following is an advantage of using performance monitoring tools?

- A. They can proactively detect denial-of-service (DoS) attacks.
- B. They can prevent malicious behavior.
- C. They more easily identify and report multi-threading problems.
- **D. They proactively compile metrics from server logs.**

Answer: D

Explanation:

Performance monitoring tools collect real-time and historical performance data, particularly from server logs, application metrics, and infrastructure monitoring. This allows testers to analyze performance trends efficiently.

Option A is incorrect because monitoring tools do not prevent malicious behavior but may detect it.

Option C is incorrect since identifying multi-threading issues is typically done through profiling tools rather than performance monitors.

Option D is incorrect as DoS attack detection falls under security testing.

NEW QUESTION # 40

Which of the following is considered a characteristic of stress testing?

- A. Considers the system's ability to recover from a sudden increase of loads within the system's limits.
- B. It determines the maximum number of transactions a system can handle.
- **C. It evaluates the system's ability to handle loads beyond its design limits.**
- D. It focuses on the system's ability to handle transactions over a specific timeframe.

Answer: C

Explanation:

Stress testing is designed to evaluate how a system behaves under extreme conditions, often exceeding its design limitations. The goal is to identify bottlenecks, memory leaks, and failures that occur beyond normal operating conditions.

Option A is incorrect because it refers to resilience testing, which focuses on recovery rather than stress beyond limits.

Option B is incorrect as it describes load testing, which measures performance under expected loads.

Option C is incorrect since determining the maximum transactions is a feature of capacity testing, not stress testing.

NEW QUESTION # 41

Which of the following can provide measurements for both individual and aggregated elements within a single performance test?

- A. Process optimization tracking
- B. Aggregated metrics
- C. Measuring underlying transactions
- **D. Nested transactions**

Answer: D

Explanation:

Nested transactions allow performance tests to capture both individual and aggregated elements by grouping multiple related transactions and measuring their cumulative impact.

Option A (Aggregated metrics) provides summaries but lacks insight into individual elements.

Option B (Process optimization tracking) focuses on business process improvement, not test metrics.

Option C (Measuring underlying transactions) focuses only on individual transactions.

NEW QUESTION # 42

Which of the following is considered a common web service protocol?

- A. SOAK
- B. RTE
- **C. REST**
- D. HTTP

Answer: C

Explanation:

REST (Representational State Transfer) is a widely used web service protocol that enables client-server communication over HTTP. It is commonly used in modern APIs and web applications for performance testing.

Option A (SOAK) refers to soak testing, which evaluates performance over an extended period.

Option C (HTTP) is a transport protocol, but REST is the actual web service architecture built on HTTP. Option D (RTE) is not a web service protocol but may refer to Real-Time Enterprise systems.

NEW QUESTION # 43

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