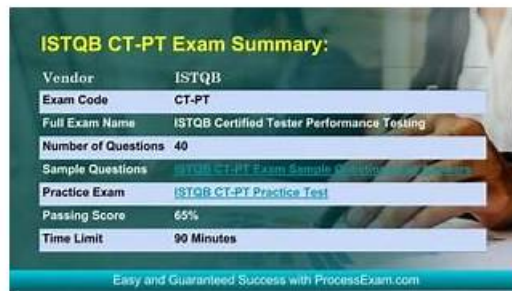


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Vendor	ISTQB
Exam Code	CT-PT
Full Exam Name	ISTQB Certified Tester Performance Testing
Number of Questions	40
Sample Questions	ISTQB CT-PT Exam Sample Questions
Practice Exam	ISTQB CT-PT Practice Test
Passing Score	65%
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ISTQB CT-PT Exam Syllabus Topics:

Topic	Details
Topic 1	<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.
Topic 2	<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 3	<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 4	<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.
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ISTQB Certified Tester - Performance Testing Sample Questions (Q26-Q31):

NEW QUESTION # 26

What should be captured for batch processing performance metrics?

- **A. Throughput and wait times**
- B. Average percentage of network latency
- C. Number of concurrent virtual users
- D. Number of records deleted

Answer: A

Explanation:

For batch processing performance metrics, the two most important factors are:

Throughput - Measures the number of transactions processed over time.

Wait times - Evaluates delays in processing batches.

Option B (Number of records deleted) is irrelevant unless batch processing specifically involves deletions.

Option C (Network latency percentage) applies to real-time transaction processing, not batch jobs.

Option D (Concurrent virtual users) applies more to load testing rather than batch performance.

NEW QUESTION # 27

Which of the following is a key reason to include ramp-up and ramp-down periods in a performance test?

- **A. To simulate a more realistic user load pattern and avoid sudden system stress**
- B. To ensure virtual users complete their transactions within a defined time window
- C. To provide a buffer for slow-performing transactions to complete
- D. To guarantee that all virtual users remain active throughout the test duration

Answer: A

Explanation:

A ramp-up period in a performance test gradually increases load over time, and a ramp-down period does the opposite. This prevents sudden surges in system load, making test results more realistic.

Option A (Ensuring transactions complete in a time window) is incorrect because ramp-up/down periods do not control transaction timing.

Option C (Providing a buffer for slow transactions) is incorrect because ramp-up/down is about load balancing, not transaction timing.

Option D (Keeping all virtual users active throughout the test) is incorrect because ramp-down periods reduce users gradually.

NEW QUESTION # 28

Which of the following is a general principle of performance testing?

- A. Tests must align with the ideal outcome of stakeholders.
- **B. Tests must be executable within the project timeframe.**
- C. Test results must vary when the tests are run repeatedly on an unchanged system.
- D. Test results must be comparable to tester expectations.

Answer: B

Explanation:

Performance testing is time-sensitive and must be designed to fit within the constraints of the project timeline. If performance tests

take too long to execute, they may not be feasible within a given sprint or development cycle. The results should be reproducible, meaning the same test on an unchanged system should yield the same results (making option C incorrect). While stakeholder expectations are important, performance tests should be objective and based on defined benchmarks rather than subjective expectations (making option D incorrect).

NEW QUESTION # 29

Which of the following should be a key part of your test acceptance criteria in your performance test plan?

- A. Describing the system under test in order to provide context to the metrics
- **B. Highlighting any technical differences in the hardware between the test environment and the production environment**
- C. Documenting previously baselined performance metrics in order to compare these to the new performance measurements
- D. Convincing technical and business stakeholders to provide realistic performance goals for the regional servers

Answer: B

Explanation:

One of the most critical test acceptance criteria in performance testing is to ensure that the hardware in the test environment is comparable to production. Differences in CPU, memory, disk I/O, or network infrastructure can distort performance results.

Option A (Convincing stakeholders to set goals) is a planning activity, not an acceptance criterion.

Option B (Describing the system under test) is important but does not directly affect test acceptance.

Option D (Comparing baselined metrics) is useful, but without a comparable test environment, baseline metrics may be misleading.

NEW QUESTION # 30

Which of the following performance script types measures network response times?

- **A. Protocol-level scripts**
- B. GUI scripts
- C. API scripts
- D. HTTP scripts

Answer: A

Explanation:

Protocol-level scripts measure the actual response times of network requests, making them ideal for analyzing network latency, bandwidth issues, and server response times.

Option A (GUI scripts) measure user interactions, not network timing.

Option B (API scripts) measure API interactions but do not provide detailed network response time analysis.

Option C (HTTP scripts) measure web requests but lack low-level network insights.

NEW QUESTION # 31

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