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## ISTQB Certified Tester Foundation Level- Performance Testing

iSQI CTFL-PT

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## QUESTION NO: 1

You have been asked to test the performance of a software and system update to a North American mobile trivia quiz game application. The quiz app is available on major app stores serving English-speaking users. The number of concurrent users planned for is 5 million. Winning quiz participants are promised a share of an allocated cash prize. Once participants start playing, their quiz sessions must not be lost especially if all previous questions were answered correctly. The application owner wants to ensure that 99% of quiz sessions are maintained (up to 4.95 million sessions) until the last answer has been successfully recorded.

Based on this scenario, when is it best time within this software and system update project to analyze and assess performance risks?

- A. During the requirements phase
- B. After design phase but prior to implementation phase
- C. Revisited over the course of the development lifecycles
- D. During user acceptance testing and subsequent regression testing

**ANSWER: D**

## QUESTION NO: 2

How is transaction elapsed time determined?

- A. response time - think time
- B. response time + think time
- C. response time + think time + nest time
- D. response time + think time - nest time

**ANSWER: B**

## QUESTION NO: 3

Which is a valid reason for why performance testing load would be applied to the SUT in a ramp-up pattern during a performance test?

- A. Frequent sudden significant increases of load allows the SUT performance to stabilize after each jump in load thus exhibiting consistent behavior that results in measurements that are more reliable

**B.** Gradually increasing the load ensures the SUT remains in a transient performance condition as it responds to the new increase in load thus exhibiting realistic behavior that improves the realism of the performance test

**C.** Gradually increasing the load allows the SUT performance to stabilize after each progressive increment of load thus exhibiting consistent behavior that results in measurements that are more reliable

**D.** Frequent sudden significant increases of load ensures the SUT remains in a transient performance condition as it responds to each new large increase in load thus exhibiting consistent behavior that results in measurements that are more reliable.

**ANSWER: B**

## QUESTION NO: 4

Server virtualization has improved deployment speed and operating-cost efficiency for many IT applications.

Which of the following architectures are very likely to utilize server virtualization that potentially suffers from performance challenges related to common host hardware resources being burdened by virtualized servers unrelated to the application under performance test?

i Multi-tier System

ii. Mobile

iii. in Single Computer

iv. Distributed

v. Cloud-based

**A.** i, ii, iii true iv, v false

**B.** i, iv, v true ii, iii false

**C.** ii, iv, v true i, iii false

**D.** iii, iv, v true i, ii false

**ANSWER: B**

## QUESTION NO: 5

Which of the following architectures are likely to be found entirely on-premises and less likely to suffer from Internet-based network performance challenges?

i Mobile

ii Multi-tier System in. Single Computer iv. Distributed v. Dynamic

- A. i, iv true ii, iii. v false
- B. ii, in true i, iv, v false
- C. i, ii, v true iii, iv false
- D. ii, iii, v true i, i v false

**ANSWER: A**