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>> CT-AI Test Fee <<

## Free PDF Quiz 2026 CT-AI: High Pass-Rate Certified Tester AI Testing Exam Test Fee

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### ISTQB Certified Tester AI Testing Exam Sample Questions (Q73-Q78):

#### NEW QUESTION # 73

Consider an AI-system in which the complex internal structure has been generated by another software system. Why would the tester choose to do black-box testing on this particular system?

- A. Black-box testing eliminates the need for the tester to understand the internal structure of the AI-system
- B. The black-box testing method will allow the tester to check the transparency of the algorithm used to create the internal structure
- C. Test automation can be built quickly and easily from the test cases developed during black-box testing
- D. The tester wishes to better understand the logic of the software used to create the internal structure

**Answer: A**

Explanation:

The syllabus explains:

"Where the internal structure of an AI-based system is too complex for humans to understand, the system can only be tested as a black box. Even when the internal structure is visible, this provides no additional useful information to help with testing." This confirms that black-box testing is chosen because the tester does not need to understand the system's internal structure.

(Reference: ISTQB CT-AI Syllabus v1.0, Section 8.5, page 61 of 99)

#### NEW QUESTION # 74

You have been developing test automation for an e-commerce system. One of the problems you are seeing is that object recognition in the GUI is having frequent failures. You have determined this is because the developers are changing the identifiers when they

make code updates.

How could AI help make the automation more reliable?

- **A. It could identify the objects multiple ways and then determine the most commonly used and stable identification for each object.**
- B. It could generate a model that will anticipate developer changes and pre-alter the test automation code accordingly.
- C. It could dynamically name the objects, altering the source code, so the object names will match the object names used in the automation.
- D. It could modify the automation code to ignore unrecognizable objects to avoid failures.

**Answer: A**

Explanation:

Object recognition issues in test automation often arise when developers frequently change object identifiers in the GUI. AI can enhance the stability of GUI automation by:

\* Using multiple criteria for object identification

\* AI can track UI elements using multiple attributes such as XPath, label, ID, class, and screen coordinates rather than relying on a single identifier that may change over time.

\* This approach makes the automation less brittle and more adaptive to changes in the UI.

\* Why other options are incorrect?

\* B (Ignore unrecognizable objects to avoid failures): Ignoring objects instead of identifying them properly would lead to incomplete or incorrect test execution.

\* C (Dynamically name objects and alter source code): AI-based testing tools do not modify application source code; they work by adjusting the recognition strategy.

\* D (Anticipate developer changes and pre-alter automation code): While AI can adapt, it does not predict future changes to the GUI, making this option unrealistic.

Thus, Option A is the best answer, as AI tools enhance object recognition by dynamically selecting the most stable and persistent identification methods, improving test automation reliability.

Certified Tester AI Testing Study Guide References:

\* ISTQB CT-AI Syllabus v1.0, Section 11.6.1 (Using AI to Test Through the Graphical User Interface (GUI))

\* ISTQB CT-AI Syllabus v1.0, Section 11.6.2 (Using AI to Test the GUI).

#### **NEW QUESTION # 75**

You have been developing test automation for an e-commerce system. One of the problems you are seeing is that object recognition in the GUI is having frequent failures. You have determined this is because the developers are changing the identifiers when they make code updates. How could AI help make the automation more reliable?

- A. It could dynamically name the objects, altering the source code, so the object names will match the object names used in the automation
- B. It could modify the automation code to ignore unrecognizable objects to avoid failures
- **C. It could identify the objects multiple ways and then determine the most commonly used and stable identification for each object**
- D. It could generate a model that will anticipate developer changes and pre-alter the test automation code accordingly

**Answer: C**

Explanation:

The syllabus discusses using AI-based tools to reduce GUI test brittleness:

"AI can be used to reduce the brittleness of this approach, by employing AI-based tools to identify the correct objects using various criteria (e.g., XPath, label, id, class, X/Y coordinates), and to choose the historically most stable identification criteria." (Reference: ISTQB CT-AI Syllabus v1.0, Section 11.6.1)

#### **NEW QUESTION # 76**

Which ONE of the following tests is LEAST likely to be performed during the ML model testing phase?

SELECT ONE OPTION

- **A. Testing the speed of the training of the model.**
- B. Testing the speed of the prediction by the model.
- C. Testing the API of the service powered by the ML model.

- D. Testing the accuracy of the classification model.

**Answer: A**

Explanation:

The question asks which test is least likely to be performed during the ML model testing phase. Let's consider each option:

- \* Testing the accuracy of the classification model (A): Accuracy testing is a fundamental part of the ML model testing phase. It ensures that the model correctly classifies the data as intended and meets the required performance metrics.
- \* Testing the API of the service powered by the ML model (B): Testing the API is crucial, especially if the ML model is deployed as part of a service. This ensures that the service integrates well with other systems and that the API performs as expected.
- \* Testing the speed of the training of the model (C): This is least likely to be part of the ML model testing phase. The speed of training is more relevant during the development phase when optimizing and tuning the model. During testing, the focus is more on the model's performance and behavior rather than how quickly it was trained.
- \* Testing the speed of the prediction by the model (D): Testing the speed of prediction is important to ensure that the model meets performance requirements in a production environment, especially for real-time applications.

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ISTQB CT-AI Syllabus Section 3.2 on ML Workflow and Section 5 on ML Functional Performance Metrics discuss the focus of testing during the model testing phase, which includes accuracy and prediction speed but not the training speed.

### NEW QUESTION # 77

Which of the following statements about reinforcement learning is correct?

Choose ONE option (1 out of 4)

- A. The agent creates a model of the environment from labeled data during training
- B. From experience, the agent learns the optimal reward function
- C. The approach is suitable when the application does not require interaction with the environment
- **D. The agent's training is based on a reward function that rewards successful attempts**

**Answer: D**

Explanation:

Section 1.6.3 - Reinforcement Learning of the ISTQB CT-AI syllabus states that reinforcement learning (RL) is based on an agent interacting with an environment, performing actions, and receiving rewards or penalties. The core concept is the reward function, which guides the agent's learning process. The syllabus emphasizes that training in RL is driven by rewards, and the agent aims to maximize cumulative reward over time. Therefore, Option C directly reflects the correct description: the agent learns by being rewarded for successful actions.

Option A is incorrect because RL does not use labeled data; that applies to supervised learning. Option B contradicts the syllabus definition: RL fundamentally requires interaction with the environment. Option D is incorrect because the reward function is defined by humans, not learned by the agent; the agent learns a policy, not the reward function itself.

Thus, Option C is the only statement consistent with RL as defined in the syllabus.

### NEW QUESTION # 78

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