

Quiz 2026 ISTQB Accurate CT-AI: Minimum Certified Tester AI Testing Exam Pass Score



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The ISTQB CT-AI certification exam offers a great opportunity for ISTQB professionals to demonstrate their expertise and knowledge level. In return, they can become competitive and updated with the latest technologies and trends. To do this they just need to enroll in Certified Tester AI Testing Exam (CT-AI) certification exam and have to put all efforts and resources to pass this challenging CT-AI exam. You should also keep in mind that to get success in the ISTQB CT-AI exam is not an easy task.

ISTQB CT-AI Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Using AI for Testing: In this section, the exam topics cover categorizing the AI technologies used in software testing.
Topic 2	<ul style="list-style-type: none">ML: Data: This section of the exam covers explaining the activities and challenges related to data preparation. It also covers how to test datasets create an ML model and recognize how poor data quality can cause problems with the resultant ML model.
Topic 3	<ul style="list-style-type: none">Testing AI-Specific Quality Characteristics: In this section, the topics covered are about the challenges in testing created by the self-learning of AI-based systems.
Topic 4	<ul style="list-style-type: none">Neural Networks and Testing: This section of the exam covers defining the structure and function of a neural network including a DNN and the different coverage measures for neural networks.
Topic 5	<ul style="list-style-type: none">Machine Learning ML: This section includes the classification and regression as part of supervised learning, explaining the factors involved in the selection of ML algorithms, and demonstrating underfitting and overfitting.
Topic 6	<ul style="list-style-type: none">Testing AI-Based Systems Overview: In this section, focus is given to how system specifications for AI-based systems can create challenges in testing and explain automation bias and how this affects testing.

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Three versions are available for CT-AI study materials, so that you can get the version you want according to your own needs. CT-AI PDF version is printable, and you can study anytime and anywhere. CT-AI Online test engine is convenient and easy to learn, it supports all web browsers, and you can use in your phone, Android and IOS both ok. One of outstanding features of CT-AI Online soft test engine is that it has testing history and performance review, and you can have a general review of what you have learned before next training. CT-AI Soft test engine can be used in more than 200 computers, and you use this version in your computer, and it supports MS operating system.

ISTQB Certified Tester AI Testing Exam Sample Questions (Q91-Q96):

NEW QUESTION # 91

Which statement about using AI to analyze reported defects is MOST correct?

Choose ONE option (1 out of 4)

- A. ML models can support duplicate defect identification when checking defect criticality.
- B. ML models trained with critical defect tickets can identify defects that cause serious consequences.
- C. ML models identify developers who should handle a defect based on ticket content.
- D. **ML models can identify categories for a reported defect during assignment.**

Answer: D

Explanation:

The ISTQB CT-AI syllabus (Section 5.3 - AI Support for Defect Analysis) explains that AI can categorize defect reports using natural language processing or classification models. Categorization helps route defects efficiently and determine which areas of the system are affected. Thus, Option C is correct: AI can identify defect categories, supporting assignment and triage.

Option A is incorrect because ML cannot infer severity or consequence without domain-specific risk modeling. Option B inaccurately ties duplicate detection to criticality; the syllabus separates duplicate detection from severity analysis. Option D is incorrect because AI may assist in routing defects using categories, but the syllabus does not claim AI identifies specific developers. Thus, Option C is the syllabus-accurate statement.

NEW QUESTION # 92

Which statement describes factors related to test data that make testing AI-based systems difficult?

Choose ONE option (1 out of 4)

- A. Using the same implementation for data acquisition by data scientists and testers prevents defect masking
- B. **Creating and managing large amounts of test data can be difficult, especially when it needs to be representative**
- C. The input data must always be the same over time, especially in real-world systems
- D. Artificially generated data requires legal approval and must be sanitized and encrypted

Answer: B

Explanation:

Section 2.2 - Data Preparation and 4.1 - Challenges in Testing AI-Based Systems describe difficulties in obtaining and managing large, representative datasets. AI-based systems require realistic, diverse, and representative data reflecting real-world variations. The syllabus emphasizes that assembling such datasets is time-consuming, resource-intensive, and often constrained by availability, privacy, or domain complexity.

Option B directly corresponds to these documented challenges.

Option A is incorrect: using the same implementation risks defect masking, not preventing it; the syllabus warns against this practice.

Option C is incorrect because real-world data naturally evolves, and the syllabus notes that drift is normal; expecting stable input data contradicts operational reality. Option D is incorrect:

although data privacy is important, the syllabus does not claim that artificially generated data always requires legal approval, nor that sanitization/encryption is mandatory for synthetic data.

Thus, Option B accurately reflects syllabus-defined difficulties in producing representative test data.

NEW QUESTION # 93

Which of the following descriptions of quality aspects of a data set is correct?

Choose ONE option (1 out of 4)

- A. The quality aspect "Incomplete data" describes the fact that data is missing, e.g., for a certain time interval.
- B. The quality aspect "Irrelevant data" describes the fact that irrelevant data does not affect the ML model.
- C. The quality aspect "Unbalanced data" describes the fact that the data used should be as up-to-date as possible.
- D. The quality aspect "Data not preprocessed" describes the fact that the collected data was recorded incorrectly.

Answer: A

Explanation:

The ISTQB CT-AI syllabus describes several data quality aspects that affect ML performance. In Section 2.2

- Data Preparation, it explains that datasets may suffer from issues such as incomplete data, irrelevant data, incorrect data, unbalanced data, or data lacking preprocessing. "Incomplete data" means that portions of the required data are missing, often because some time periods, records, or sources were not captured. This aligns exactly with Option A, which correctly identifies missing intervals as incomplete data.

Option B is incorrect: "data not preprocessed" refers to data that has not undergone normalization, cleaning, or transformation—not data recorded incorrectly. Option C is wrong because irrelevant data does negatively affect ML models by introducing noise and unnecessary features. The syllabus explicitly states that including irrelevant features can degrade model learning. Option D is incorrect: "unbalanced data" relates to disproportionate class distribution, not recency or freshness of data.

Thus, Option A is the only statement that correctly matches the syllabus definition of this data quality aspect.

NEW QUESTION # 94

A system is to be developed to detect lung cancer using X-ray images.

Which statement BEST describes the difference between a conventional system and an AI system with supervised machine learning?

Choose ONE option (1 out of 4)

- A. The implementation of an AI system consists mainly of training data, whereas that of a conventional system consists of branches and loops.
- B. The X-ray images that an AI system can analyze must be structurally different from X-ray images used in a conventional system.
- C. An AI system independently determines patterns in X-rays during training; a conventional system requires a human to program in those patterns.
- D. The results of analyzing an X-ray for lung cancer using an AI system are more understandable than with a conventional system.

Answer: C

Explanation:

The syllabus explains the fundamental distinction between conventional systems and AI-based systems using supervised machine learning in Section 1.3 - AI-Based and Conventional Systems. A conventional system relies on human-programmed logic—such as branches, conditions, and explicit rules—to interpret input data.

The system behaves exactly as specified by its developers.

In contrast, AI systems using supervised learning automatically learn patterns from labeled data. The syllabus states that "patterns in data are used by the system to determine how it should react in the future..."

The AI determines on its own what patterns or features in the data can be used". This aligns directly with Option C: an AI system identifies relevant diagnostic patterns in X-ray images during training, whereas a conventional system requires human experts to explicitly program those patterns.

Option A is incorrect because AI outputs are typically less explainable, not more. Option B is incorrect because both systems can use the same X-ray images; ML does not require structurally different images. Option D is oversimplified and not fully accurate; while training data is central to ML, AI systems also include architecture, algorithms, and preprocessing—not just data.

Thus, Option C is the correct and syllabus-aligned answer.

NEW QUESTION # 95

Max. Score: 2

AI-enabled medical devices are used nowadays for automating certain parts of the medical diagnostic processes. Since these are life-critical processes the relevant authorities are considering bringing about suitable certifications for these AI enabled medical devices. This certification may involve several facets of AI testing (I - V).

- I. Autonomy
- II. Maintainability
- III. Safety
- IV. Transparency
- V. Side Effects

Which ONE of the following options contains the three MOST required aspects to be satisfied for the above scenario of certification of AI enabled medical devices?

SELECT ONE OPTION

- A. Aspects I, II, and III
- **B. Aspects III, IV, and V**
- C. Aspects II, III and IV
- D. Aspects I, IV, and V

Answer: B

Explanation:

For AI-enabled medical devices, the most required aspects for certification are safety, transparency, and side effects. Here's why:

* Safety (Aspect III): Critical for ensuring that the AI system does not cause harm to patients.

* Transparency (Aspect IV): Important for understanding and verifying the decisions made by the AI system.

* Side Effects (Aspect V): Necessary to identify and mitigate any unintended consequences of the AI system.

Why Not Other Options:

* Autonomy and Maintainability (Aspects I and II): While important, they are secondary to the immediate concerns of safety, transparency, and managing side effects in life-critical processes.

References: This explanation is aligned with the critical quality characteristics for AI-based systems as mentioned in the ISTQB CT-AI syllabus, focusing on the certification of medical devices.

NEW QUESTION # 96

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