PassQueen
a.k.a dumpsqueen.com

ISTQB Certified Tester AI Testing (v 1.0)

iSQI CT-AI_(v1.0)_World

Version Demo

Total Demo Questions: 2

Total Premium Questions: 23

Buy Premium PDF

https://passqueen.com

support@passqueen.com

Topic Break Down

Topic	No. of Questions
Topic 1, Introduction to AI	4
Topic 2, Testing AI-Based Systems	9
Topic 3, Testing of AI-Based Systems	6
Topic 4, AI-Based Testing	4
Total	23

QUESTION NO: 1

An ML model detects fraudulent payment transactions. Fraudulent transactions represent only 0.5% of operational transactions, and failing to identify a fraudulent transaction has a much higher business cost than sending a legitimate transaction for manual review.

Which ONE of the following measures is the MOST appropriate primary measure when evaluating the model?

SELECT ONE OPTION

A. Overall accuracy across all transactions.

B. Precision for the fraudulent-transaction class.

C. Recall for the fraudulent-transaction class.

D. The number of true negatives for legitimate transactions.

ANSWER: C

Explanation:

Recall for the fraudulent-transaction class is the most appropriate primary measure because it measures the proportion of actual fraudulent transactions that are correctly identified. The stated business risk is a false negative: fraud that the model fails to detect.

Overall accuracy can be very high simply by predicting most transactions as legitimate and is misleading for a highly imbalanced dataset. Precision is important because it controls unnecessary reviews, but it does not directly measure the costly missed-fraud risk. The number of true negatives is similarly dominated by the much larger legitimate class.

QUESTION NO: 2

Which ONE of the following options describes a scenario of A/B testing the LEAST?

SELECT ONE OPTION

A. A comparison of two different websites for the same company to observe from a user acceptance perspective.

B. A comparison of two different offers in a recommendation system to decide on the more effective offer for same users.

C. A comparison of the performance of an ML system on two different input datasets.

D. A comparison of the performance of two different ML implementations on the same input data.

ANSWER: C

Explanation:

“A comparison of the performance of an ML system on two different input datasets.” describes A/B testing the least because it changes the data supplied to a single system rather than comparing alternative versions of a system, feature, offer, or user experience. In a properly designed A/B test, the key experimental treatment is the variant being presented or deployed. Users, requests, or other experimental units are assigned to alternatives under controlled conditions, and predefined outcome measures are collected to determine whether one variant produces a better result.

Changing the input dataset primarily evaluates how one ML system behaves across different data samples, distributions, or operating conditions. That is useful for assessing robustness, generalization, data sensitivity, and potential dataset-related performance variation, but it does not itself establish a comparison between two variants. Any observed performance difference could be attributable to characteristics of the datasets rather than to an alternative system or treatment.

This distinction aligns with the CT-AI syllabus treatment of A/B testing as an experiment used to compare alternatives in operation. See the ISTQB Certified Tester AI Testing certification page and the CT-AI syllabus resources for the official learning objectives and terminology.