



Sample Exam

Exam Name: Certified AI Testing Professional (CAITP)

Exam Code: CAITP-001

1. What is the primary challenge in testing AI models compared to traditional software applications?

- A) AI models have deterministic outputs
- B) AI models rely on predefined rule-based logic
- C) AI models learn from data and exhibit non-deterministic behaviour
- D) AI models do not require testing

Answer: C) AI models learn from data and exhibit non-deterministic behaviour

2. Which metric is commonly used to evaluate the accuracy of a classification AI model?

- A) Mean Squared Error (MSE)
- B) Precision, Recall, and F1-score
- C) Response Time
- D) Load Balancing

Answer: B) Precision, Recall, and F1-score

3. What is the purpose of bias testing in AI models?

- A) To check if the AI model runs faster on different hardware
- B) To ensure the AI model does not favour certain groups unfairly
- C) To improve the visual appearance of AI-generated results
- D) To verify the software's compatibility with multiple browsers

Answer: B) To ensure the AI model does not Favor certain groups unfairly

4. Which technique helps explain AI model predictions by approximating local decision boundaries?

- A) SHAP (Shapley Additive Explanations)
- B) LIME (Local Interpretable Model-agnostic Explanations)
- C) A/B Testing
- D) Black-box Penetration Testing

Answer: B) LIME (Local Interpretable Model-agnostic Explanations)

5. What is an adversarial attack in AI security testing?

- A) A method to improve AI accuracy
- B) A way to speed up AI training
- C) Manipulating AI inputs to deceive the model into making incorrect predictions
- D) A debugging process for fixing AI model errors

Answer: C) Manipulating AI inputs to deceive the model into making incorrect predictions

6. Which of the following is an AI testing framework that helps in evaluating model fairness?

- A) JUnit
- B) Selenium
- C) IBM AI Fairness 360
- D) PyTorch Lightning

Answer: C) IBM AI Fairness 360