Sample Exam

Exam Name: Certified Generative AI Professional (CGAIP)

Exam Code: CGAIP-001

1. The formal establishment of artificial intelligence as a scientific discipline occurred at:

A. MIT Artificial Intelligence Laboratory in 1965
B. Stanford Research Institute in 1970
C. Dartmouth College workshop in 1956
D. Bell Labs Symposium in 1948

Answer: C

2. The program ELIZA, developed by Joseph Weizenbaum, primarily demonstrated that:

A. Machines could truly understand human emotions
B. Pattern matching could simulate meaningful conversation
C. Neural networks outperform symbolic AI
D. Reinforcement learning enables dialogue systems

Answer: B

3. Which of the following factors was NOT a major contributor to the modern AI renaissance?

A. Increased computational power
B. Availability of massive datasets
C. Algorithmic breakthroughs in deep learning
D. Reduction in data storage capacity

Answer: D

4. In supervised learning, the main objective of training is to:

A. Identify hidden structures in unlabeled data
B. Maximize randomness in predictions
C. Minimize the difference between predicted and actual outputs
D. Eliminate the need for feature engineering

Answer: C

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5. Which neural network architecture is specifically designed to process sequential data and maintain memory of previous inputs?

A. Convolutional Neural Networks
B. Transformer Networks
C. Recurrent Neural Networks
D. Autoencoders

Answer: C

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6. What is the primary purpose of regularization techniques such as dropout and weight decay?

A. Increase model complexity
B. Speed up data collection
C. Prevent overfitting and improve generalization
D. Eliminate the need for validation datasets

Answer: C

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7. Perplexity, as an evaluation metric for language models, measures:

A. The semantic creativity of generated text
B. The grammatical correctness judged by humans
C. How well a probability distribution predicts a sample
D. The similarity between generated text and reference text using n-grams

Answer: C