**INT426 (Gen AI) SET 5 CA 1**

\*\*Bloom Level 1: Remembering\*\*

1. \*\*What is the primary focus of Generative AI?\*\*

- A. Image classification

- B. Text summarization

- C. Data clustering

- D. Code optimization

2. \*\*Which term is commonly associated with the process of refining prompts in Generative AI?\*\*

- A. Encoding

- B. Prompting

- C. Iterating

- D. Compiling

3. \*\*What is the main goal of CO1 (Course Outcome 1)?\*\*

- A. Implement generative models

- B. Understand prompt engineering

- C. Develop image classifiers

- D. Code optimization techniques

\*\*Bloom Level 2: Understanding\*\*

4. \*\*How does Generative AI differ from Discriminative AI models?\*\*

- A. Discriminative AI focuses on generating new data.

- B. Generative AI aims to distinguish between different classes.

- C. Discriminative AI models create content based on prompts.

- D. Generative AI is primarily used for classification tasks.

5. \*\*In prompt engineering, what role does iteration play?\*\*

- A. Repeating the same prompt for better results.

- B. Gradually refining prompts to achieve desired outcomes.

- C. Ignoring the prompt after the initial attempt.

- D. Using pre-defined prompts without modifications.

6. \*\*Which generative model is commonly used for text generation tasks?\*\*

- A. Support Vector Machines (SVM)

- B. Recurrent Neural Networks (RNN)

- C. K-Means Clustering

- D. Principal Component Analysis (PCA)

7. \*\*What practical skill does CO2 (Course Outcome 2) aim to develop?\*\*

- A. Image recognition

- B. Refining prompts for language models

- C. Data clustering techniques

- D. Code optimization in generative models

8. \*\*In the context of Generative AI, what does the term "prompt" refer to?\*\*

- A. A set of instructions given to the model

- B. A type of generative algorithm

- C. The output generated by the model

- D. The training data for the model

\*\*Bloom Level 4: Analyzing\*\*

9. \*\*Explain one foundational principle behind generative models.\*\*

- A. They optimize for discriminative accuracy.

- B. They learn to generate new data similar to the training set.

- C. They focus on classifying input data.

- D. They prioritize feature extraction.

10. \*\*How does prompt engineering contribute to the effectiveness of generative models?\*\*

- A. By minimizing model complexity

- B. By providing clear instructions for desired outputs

- C. By eliminating the need for training data

- D. By speeding up the model training process

11. \*\*What are some potential challenges in prompt engineering for language models?\*\*

- A. Lack of computational power

- B. Over-reliance on generative algorithms

- C. Difficulty in generating diverse prompts

- D. Ignoring the importance of discriminative models

\*\*Bloom Level 5: Evaluating\*\*

12. \*\*Critically assess the impact of prompt quality on the performance of generative models.\*\*

- A. High-quality prompts have minimal impact.

- B. Prompt quality is irrelevant in generative models.

- C. The quality of prompts significantly influences model outputs.

- D. Generative models are not affected by the quality of prompts.

13. \*\*Evaluate the ethical considerations related to using generative models in real-world applications.\*\*

- A. Ethical considerations are irrelevant in AI.

- B. Generative models have no ethical implications.

- C. Ethical considerations are crucial, especially regarding biases.

- D. Ethical concerns only apply to discriminative models.

Certainly! Here are two additional MCQs:

14. \*\*Which technique is commonly employed for fine-tuning prompts in generative language models?\*\*

- A. Gradient Descent

- B. Random Sampling

- C. Reinforcement Learning

- D. Naive Bayes Classification

15. \*\*What is the primary objective of prompt engineering in language models?\*\*

- A. To confuse the model and test its robustness

- B. To generate random outputs for creativity

- C. To guide the model toward desired outputs

- D. To minimize the impact of training data on the model

\*\*Answer Key:\*\*

14. C, 15. C

\*\*Answer Key:\*\*

1. B, 2. C, 3. B, 4. D, 5. B, 6. B, 7. B, 8. A, 9. B, 10. B, 11. C, 12. C, 13. C