**INT426 (Gen AI) CA-3 Set 2**

1. What is the primary function of a Generative AI model in the context of Large Language Models (LLMs)?

a) Generating images

b) Generating text

c) Classifying data

d) Analyzing audio

\*\*Answer: b) Generating text\*\*

2. How is fine-tuning utilized in the context of Large Language Models (LLMs)?

a) Adjusting parameters to improve model performance on specific tasks

b) Increasing the model size to enhance computational efficiency

c) Reducing the number of training epochs to speed up training

d) Ignoring pre-trained weights to start training from scratch

\*\*Answer: a) Adjusting parameters to improve model performance on specific tasks\*\*

3. What advantage do Large Language Models (LLMs) offer in creative problem solving?

a) They strictly adhere to predefined patterns

b) They provide limited output variations

c) They can generate diverse and novel solutions

d) They are incapable of generating creative content

\*\*Answer: c) They can generate diverse and novel solutions\*\*

4. What is a significant limitation of Large Language Models (LLMs) in generating text?

a) They lack the ability to understand context

b) They require extensive computational resources

c) They cannot generate text in multiple languages

d) They have limited vocabulary capacity

\*\*Answer: a) They lack the ability to understand context\*\*

5. In the context of AI application development, what role does GPT-4 typically play?

a) Generating images

b) Generating text

c) Processing numerical data

d) Conducting sentiment analysis

\*\*Answer: b) Generating text\*\*

6. Which AI model is primarily used for generating images based on textual descriptions?

a) Dall-E

b) GPT-3.5

c) ChatGPT

d) GPT-4

\*\*Answer: a) Dall-E\*\*

7. What is one advantage of learning to code with AI for building interactive applications?

a) It eliminates the need for understanding AI concepts

b) It simplifies the coding process for beginners

c) It restricts the types of applications that can be built

d) It reduces the flexibility in application design

\*\*Answer: b) It simplifies the coding process for beginners\*\*

8. How does ChatGPT contribute to beginners learning Microsoft Excel?

a) By automating data analysis tasks

b) By generating complex formulas

c) By providing real-time collaboration features

d) By offering contextual help and explanations

\*\*Answer: d) By offering contextual help and explanations\*\*

9. What is one way ChatGPT can assist beginners in Excel?

a) Generating pivot tables

b) Debugging macros

c) Providing coding exercises

d) Offering formula suggestions

\*\*Answer: d) Offering formula suggestions\*\*

10. How can understanding ChatGPT help beginners navigate Excel more efficiently?

a) By automating the creation of charts and graphs

b) By providing tips on data validation

c) By suggesting keyboard shortcuts for common tasks

d) By simplifying conditional formatting rules

\*\*Answer: c) By suggesting keyboard shortcuts for common tasks\*\*

11. Which AI model is typically used for automating text-based tasks in Excel?

a) Dall-E

b) GPT-3.5

c) GPT-4

d) ChatGPT

\*\*Answer: d) ChatGPT\*\*

12. What is the primary function of Dall-E in AI application development?

a) Generating text

b) Generating images from textual descriptions

c) Analyzing sentiment in text

d) Recognizing objects in images

\*\*Answer: b) Generating images from textual descriptions\*\*

13. What advantage does learning to code with AI offer in building applications like chatbots and recommenders?

a) It reduces the need for human input

b) It speeds up the development process

c) It guarantees error-free code

d) It eliminates the need for AI models

\*\*Answer: b) It speeds up the development process\*\*

14. How does fine-tuning contribute to enhancing the performance of Large Language Models (LLMs)?

a) By reducing the model size

b) By increasing the number of training epochs

c) By customizing the model for specific tasks

d) By using smaller datasets for training

\*\*Answer: c) By customizing the model for specific tasks\*\*

15. What is a significant advantage of using Large Language Models (LLMs) in generative AI?

a) They require minimal computational resources

b) They can generate text in one language only

c) They can generate diverse and coherent text

d) They are limited to specific domains

\*\*Answer: c) They can generate diverse and coherent text\*\*