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

1. What is the primary purpose of fine-tuning in the context of Large Language Models (LLMs)?

a) To train the model from scratch

b) To adjust the model for specific tasks or domains

c) To decrease the model size

d) To increase the number of training epochs

\*\*Answer: b) To adjust the model for specific tasks or domains\*\*

2. What is one advantage of using Generative AI with Large Language Models (LLMs) for creative problem-solving?

a) Limited output variations

b) Inability to generate novel solutions

c) Ability to generate diverse and imaginative content

d) Dependency on predefined patterns

\*\*Answer: c) Ability to generate diverse and imaginative content\*\*

3. Which aspect is a significant limitation of Large Language Models (LLMs) in generative AI?

a) Limited vocabulary capacity

b) Inability to process structured data

c) Difficulty understanding context

d) High computational resource requirements

\*\*Answer: c) Difficulty understanding context\*\*

4. How does GPT-4 contribute to AI application development?

a) Generating images

b) Generating text

c) Processing numerical data

d) Conducting sentiment analysis

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

5. Which AI model specializes in generating images from textual descriptions?

a) Dall-E

b) GPT-3.5

c) ChatGPT

d) GPT-4

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

6. What advantage does learning to code with AI offer in developing interactive applications?

a) Eliminating the need for understanding AI concepts

b) Simplifying the coding process for beginners

c) Restricting the types of applications that can be built

d) Reducing flexibility in application design

\*\*Answer: b) Simplifying the coding process for beginners\*\*

7. How does ChatGPT aid beginners in learning Microsoft Excel?

a) Automating data analysis tasks

b) Generating complex formulas

c) Providing real-time collaboration features

d) Offering contextual help and explanations

\*\*Answer: d) Offering contextual help and explanations\*\*

8. In what way can ChatGPT assist beginners in Excel?

a) Generating pivot tables

b) Debugging macros

c) Providing coding exercises

d) Offering formula suggestions

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

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

a) Automating the creation of charts and graphs

b) Providing tips on data validation

c) Suggesting keyboard shortcuts for common tasks

d) Simplifying conditional formatting rules

\*\*Answer: c) Suggesting keyboard shortcuts for common tasks\*\*

10. 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\*\*

11. 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\*\*

12. 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\*\*

13. 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\*\*

14. 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\*\*

15. How does GPT-4 contribute to AI application development?

a) Generating images

b) Generating text

c) Processing numerical data

d) Conducting sentiment analysis

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