**INT426 (Gen AI) CA-3 Set 1**

1. What is the primary function of Generative AI with Large Language Models (LLMs) in deep learning?

a) Classifying images

b) Generating text

c) Recognizing speech

d) Processing structured data

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

2. Which process involves adjusting pre-trained Large Language Models to suit specific tasks or domains?

a) Supervised learning

b) Transfer learning

c) Reinforcement learning

d) Unsupervised learning

\*\*Answer: b) Transfer learning\*\*

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

a) They require minimal computational resources

b) They can only generate text in one language

c) They can generate diverse and coherent text

d) They are not suitable for creative tasks

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

4. What is a limitation of Large Language Models (LLMs) in generative AI?

a) They cannot handle large datasets

b) They are prone to overfitting

c) They have difficulty understanding context

d) They require extensive fine-tuning for every task

\*\*Answer: c) They have difficulty understanding context\*\*

5. Which approach is used to address the limitations of Large Language Models (LLMs) in generative AI?

a) Training larger models

b) Reducing the model size

c) Increasing the number of training epochs

d) Implementing complex architectures

\*\*Answer: a) Training larger models\*\*

6. Which AI models can be utilized for building recommender systems and chatbots?

a) Dall-E only

b) GPT-3.5 only

c) GPT-4 only

d) Dall-E, GPT-3.5, and GPT-4

\*\*Answer: d) Dall-E, GPT-3.5, and GPT-4\*\*

7. What role does GPT-4 play in developing AI applications?

a) Generating images

b) Generating text

c) Processing tabular data

d) Conducting sentiment analysis

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

8. 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\*\*

9. Which step is essential in learning to code with AI for building interactive applications?

a) Understanding algorithms

b) Mastering programming languages

c) Grasping AI concepts and frameworks

d) Memorizing syntax rules

\*\*Answer: c) Grasping AI concepts and frameworks\*\*

10. 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\*\*

11. How does ChatGPT contribute to saving time with Microsoft Excel for beginners?

a) By automating data entry tasks

b) By providing advanced statistical analysis

c) By generating visualizations

d) By optimizing Excel formulas

\*\*Answer: a) By automating data entry tasks\*\*

12. 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\*\*

13. What is one way in which ChatGPT can assist beginners with Microsoft Excel?

a) Generating pivot tables

b) Debugging VBA scripts

c) Providing real-time collaboration features

d) Offering contextual help and explanations

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

14. How can understanding ChatGPT aid beginners in efficiently navigating Microsoft Excel?

a) By providing shortcuts for common tasks

b) By automating formula creation

c) By suggesting cell formatting options

d) By offering tips on data validation

\*\*Answer: a) By providing shortcuts for common tasks\*\*

15. In what way does learning about ChatGPT align with the course outcome of saving time with Microsoft Excel?

a) By enabling users to complete tasks faster through AI assistance

b) By teaching advanced Excel functions and formulas

c) By focusing on theoretical aspects of AI and Excel integration

d) By emphasizing data visualization techniques

\*\*Answer: a) By enabling users to complete tasks faster through AI assistance\*\*