**INT426 (Gen AI)**

**Section: CA-3 Set 3 Roll No:**

**Max Marks: 30 Duration: 40 mins**

Choose the correct answer and write in the cell given below, negative marking of 0.5 each question.

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| **Q1** |  | **Q6** |  | **Q11** |  |
| **Q2** |  | **Q7** |  | **Q12** |  |
| **Q3** |  | **Q8** |  | **Q13** |  |
| **Q4** |  | **Q9** |  | **Q14** |  |
| **Q5** |  | **Q10** |  | **Q15** |  |

**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

**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

**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

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

a) Generating images

b) Generating text

c) Processing numerical data

d) Conducting sentiment analysis

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

a) Dall-E

b) GPT-3.5

c) ChatGPT

d) GPT-4

**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

**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

**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

**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

**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

**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

**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

**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

**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

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

a) Generating images

b) Generating text

c) Processing numerical data

d) Conducting sentiment analysis