**INT426 (Gen AI)**

**Section: CA-3 Set 7 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. Generative AI focuses on:**

a) Solving complex mathematical problems

b) Creating new content like text, code, or images

c) Optimizing existing algorithms

d) Diagnosing medical conditions

**2. Large Language Models (LLMs) are trained on:**

a) Small datasets of labeled data

b) Massive amounts of text and code

c) User-generated content only

d) Images and videos exclusively

**3. Which neural network architecture is commonly used for LLMs?**

a) Convolutional Neural Networks (CNNs)

b) Recurrent Neural Networks (RNNs)

c) Transformers

d) Generative Adversarial Networks (GANs)

**4. Fine-tuning an LLM involves:**

a) Training it from scratch on a new task

b) Adapting it to perform a specific task with additional training

c) Increasing the number of parameters in the model

d) Removing unused parts of the model

**5. A limitation of LLMs can be:**

a) High computational power required

b) Difficulty in interpreting their reasoning

c) Both a and b

d) Neither a nor b

**6. GPT-3.5 is an example of:**

a) A recommender system

b) A large language model

c) A chatbot development platform

d) A creative coding tool

**7. Which of these is NOT a skill needed for building apps with AI?**

a) Understanding of Generative AI concepts

b) Basic coding knowledge

c) Data analysis skills

d) Expertise in advanced mathematics

**8. Dall-E can be used to generate:**

a) Personalized product recommendations

b) Chatbot conversation flows

c) Creative text formats like poems

d) Realistic images from text descriptions

**9. When building a recommender system, the goal is to:**

a) Filter irrelevant information

b) Suggest items users might be interested in

c) Collect user feedback

d) Optimize website loading speed

**10. Chatbots are used for:**

a) Analyzing large datasets

b) Providing customer service or information

c) Creating artistic visuals

d) Developing mobile applications

**11. Limited access to GPT-4 compared to GPT-3.5 might be due to:**

a) Higher computational cost for running the model

b) Concerns about potential misuse of its capabilities

c) Both a and b

d) Neither a nor b

**12. ChatGPT for Beginners focuses on using the model for:**

a) Advanced natural language processing tasks

b) Automating tasks in Microsoft Excel

c) Building complex chatbots

d) Training your own LLM

**13. When solving creative problems with AI, it's important to:**

a) Define clear goals and evaluation metrics

b) Provide diverse and relevant data for training

c) Iteratively refine prompts and approaches

d) All of the above

**14. Coding with AI can help in tasks like:**

a) Generating repetitive code snippets

b) Automating data cleaning and preprocessing

c) Debugging complex algorithms

d) All of the above

**15. The future of Generative AI and LLMs likely involves:**

a) Increased accessibility and integration with various tools b) Development of more specialized and efficient models

c) Exploration of ethical considerations and potential biases d) All of the above