

INT426 (Generative AI)

Section:

CA-2

Roll No:

Max Marks: 30

Duration: 40 mins

Instructions

1. Each questions carries 2 mark, wrong answer will deduct 0.5 marks.
2. Overwriting of answer will not be considered.
3. Choose the correct answer and write in the cell given below

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

1. Scenario: You are developing a chatbot to provide users with information about historical events. Which prompt pattern would be most effective for structuring the chatbot's responses?

- A) The Storytelling Pattern
- B) The Fact Menu Action Pattern
- C) The Argumentation Pattern
- D) The Recipe Pattern

2. What role does the question refinement pattern play in refining user queries for better interactions with language models?

- a) It limits the scope of user queries to predefined categories
- b) It suggests alternative questions based on user input
- c) It randomizes the selection of questions asked by users
- d) It decreases the overall effectiveness of user queries

3 How does the cognitive verifier pattern contribute to the interaction between users and large language models?

- a) By limiting the types of questions users can ask.
- b) By encouraging users to provide more context in their queries.
- c) By automating the process of generating questions without user input.
- d) By increasing the responsiveness of the language model to user queries.

4. What advantage does the audience persona pattern offer in generating output from large language models?

- a) It limits the scope of output to predefined categories.
- b) It provides a framework for generating output tailored to specific audience preferences or knowledge levels.
- c) It increases the computational load on the language model.
- d) It reduces the diversity of responses generated by the language model.

5. In the context of interacting with large language models, what is the primary function of employing the flipped interaction pattern?

- a) To compel the language model to generate specific outputs.
- b) To encourage the language model to quiz the user on various topics.
- c) To prompt the language model to ask questions and guide the user in problem-solving.
- d) To limit the language model's autonomy in generating content.

6. Scenario: You are designing a virtual assistant application that helps users manage their daily tasks and appointments. You want to create a feature where users can select specific actions from a menu to interact with the assistant more efficiently. Which

prompt pattern would be most appropriate for implementing this menu-based interaction system?

- A) The Semantic Filter Pattern
- B) The Menu Action Pattern
- C) The Recipe Pattern
- D) The Chain of Thought Pattern

7. Why is it important to assess whether few-shot examples cover an adequate range of scenarios?

- a) To limit the complexity of the prompt and ensure model efficiency
- b) To challenge the model with ambiguous tasks for better learning
- c) To provide additional constraints and instructions for the model
- d) To ensure the model learns a comprehensive understanding of the task

8. Which of the subsequent metrics is NOT frequently employed for appraising prompt engineering methodologies?

- a. BLEU score
- b. ROUGE score
- c. Perplexity
- d. Accuracy

9. Which of the following methods is likely to improve the performance of a large language model in producing accurate responses?

- a) Providing examples without explaining the underlying reasoning
- b) Presenting questions and answers without context or explanation
- c) Demonstrating a chain of thought by explaining the reasoning before providing the answer
- d) Structuring prompts with complex vocabulary to challenge the model's comprehension

10. Which of the following scenarios is LEAST likely to involve example-based prompt tuning?

- a. Speech recognition
- b. Language translation
- c. Text summarization
- d. Video compression

11. What is the purpose of the React approach in training large language models?

- a. To integrate external tools and data sources into the model's reasoning process
- b. To provide pre-defined solutions to specific problems
- c. To challenge the model with ambiguous tasks for better learning
- d. To minimize the need for external data and tools in model training

12. How does the understanding of patterns help in escaping repetitive responses from large language models?

- A) By using generic language in prompts
- B) By avoiding specificity in prompts
- C) By limiting the use of prompts
- D) By introducing new patterns or changing existing ones in prompts

13 Scenario: You are tasked with creating prompts to assist users in troubleshooting common software issues. Which prompt pattern would be most suitable for this scenario?

- A) The Gameplay Pattern
- B) The Template Pattern
- C) The Recipe Pattern
- D) The Problem-Solution Pattern

14) In what way does the alternative approaches pattern contribute to improving prompt engineering skills?

- A) By limiting the creativity of the prompts generated
- B) By encouraging the exploration of different prompt patterns and approaches
- C) By focusing solely on generating prompts for cooking-related tasks
- D) By simulating real-life scenarios such as cooking competitions

15 Scenario: You are training a large language model to generate prompts for a creative writing exercise. You want the model to provide alternative approaches for crafting compelling story beginnings. Which pattern would best guide the model to follow your instructions?

- A) The Fact check list Pattern
- B) The Chain of Thought Pattern
- C) The Menu action plan Pattern
- D) The Combining Pattern