**INT426 (Gen AI) CA-2 Set 4**

Certainly, here are 15 unique MCQs based on the provided curriculum:

1. Which of the following is NOT a component of the ACHIEVE framework?

a) Collaboration

b) Human-centered design

c) Iteration

d) Exponential growth

Answer: d) Exponential growth

2. In the context of prompt tuning, what does the term "refinement" refer to?

a) Increasing the complexity of prompts

b) Adjusting prompts to improve effectiveness

c) Reducing the number of prompts used

d) Ignoring user feedback on prompts

Answer: b) Adjusting prompts to improve effectiveness

3. The cognitive verifier pattern aims to:

a) Confirm the user's identity through prompts

b) Validate the accuracy of computational results

c) Assess the cognitive load imposed by prompts

d) Filter out irrelevant prompts

Answer: c) Assess the cognitive load imposed by prompts

4. What is the primary purpose of the audience persona pattern?

a) Tailoring prompts to specific user demographics

b) Analyzing user-generated content

c) Identifying trending topics

d) Creating diverse prompts for general audiences

Answer: a) Tailoring prompts to specific user demographics

5. The flipped interaction pattern emphasizes:

a) Reversing the order of user inputs

b) Using physical gestures for interaction

c) Engaging users through unexpected interactions

d) Providing visual cues for prompt comprehension

Answer: c) Engaging users through unexpected interactions

6. The Game Play Pattern is most closely associated with:

a) Developing video games

b) Optimizing computational algorithms

c) Analyzing user behavior patterns

d) Creating educational content

Answer: a) Developing video games

7. Which pattern involves the creation of predefined prompts for common tasks?

a) Template Pattern

b) Meta Language Creation Pattern

c) Recipe Pattern

d) Expansion patterns

Answer: a) Template Pattern

8. The primary objective of the Menu Action Patterns is to:

a) Provide users with a list of predefined actions

b) Tailor prompts based on user preferences

c) Analyze user engagement metrics

d) Generate random prompts for creativity

Answer: a) Provide users with a list of predefined actions

9. Which pattern emphasizes the importance of structured content generation?

a) Tail Generation Pattern

b) Check List Pattern

c) Semantic Filter Pattern

d) Alternate approaches pattern

Answer: b) Check List Pattern

10. The Meta Language Creation Pattern focuses on:

a) Adapting language to different cultural contexts

b) Defining a language framework for communication

c) Generating language models using machine learning

d) Translating prompts into multiple languages

Answer: b) Defining a language framework for communication

11. The Recipe Pattern primarily involves:

a) Generating algorithmic solutions to problems

b) Structuring prompts in a step-by-step format

c) Creating random variations of prompts

d) Integrating prompts with multimedia elements

Answer: b) Structuring prompts in a step-by-step format

12. What is the main purpose of the Expansion patterns?

a) Increasing the number of prompts available

b) Expanding the user interface for better interaction

c) Exploring new computational techniques

d) Enhancing user engagement through prompts

Answer: a) Increasing the number of prompts available

13. The Alternate approaches pattern encourages:

a) Divergent thinking and exploring multiple solutions

b) Sticking to traditional problem-solving methods

c) Using only one approach to prompt generation

d) Avoiding experimentation with prompts

Answer: a) Divergent thinking and exploring multiple solutions

14. Combining Patterns involves:

a) Creating hybrid prompts from different patterns

b) Eliminating redundancy in prompt structures

c) Restricting the use of certain patterns

d) Standardizing prompt formats across patterns

Answer: a) Creating hybrid prompts from different patterns

15. What is the main objective of the Semantic Filter Pattern?

a) Organizing prompts based on user preferences

b) Filtering prompts based on semantic meaning

c) Implementing complex algorithms for prompt generation

d) Identifying grammatical errors in prompts

Answer: b) Filtering prompts based on semantic meaning