1. **Question:** Prompt engineering is generally the most complex way to improve an LLM's performance for specific tasks.

Answer: False

2. **Question:** Fine-tuning LLMs is most effective for adapting to new or rapidly changing data.

Answer: False

3. **Question:** Implementing a RAG system is less intricate than basic prompting, as it involves fewer additional components.

Answer: False

4. **Question:** In RAG systems, achieving accurate embedding retrieval is not critical, as the generator component can compensate for inaccuracies.

Answer: False

5. **Question:** Fine-tuning and RAG are mutually exclusive techniques, and cannot be implemented together.

Answer: False

6. **Question:** Query construction in RAG involves converting user queries into a format incompatible with various data sources.

Answer: False

7. **Question:** Query expansion enhances the original query by removing related terms or synonyms to narrow the search scope.

Answer: False

8. **Question:** Query transformations always involve adding context to the original

query, and never altering its structure.

Answer: False

9. **Question:** A Chat Engine is suitable for a single, isolated guery, as it does not

require a series of interactions.

Answer: False

10. **Question:** In a streaming guery engine, the end user must wait for the entire

response to be generated before seeing any output.

Answer: False

11. **Question:** Sub Question Query Engines improve performance by deactivating

the streaming flag.

Answer: True

12. **Question:** LlamaIndex supports the composition of many gueries, each

responding to a portion of the query, and does not attempt to locate their answers

separately.

Answer: False

13. **Question:** An excessively vague prompt lacking sufficient context or guidance

improves the model's ability to generate a meaningful response.

Answer: False

14. **Question:** Integrating multiple tasks in one prompt improves the model's effectiveness in each task.

Answer: False

15. **Question:** Precise Directions is not a characteristic of what makes a good prompt.

Answer: False

16. **Question:** Few-shot prompting always leverages entirely new tasks, where the model generates outputs without examples.

Answer: False

17. **Question:** Role prompting involves instructing the LLM to assume a specific role or identity for task execution.

Answer: True

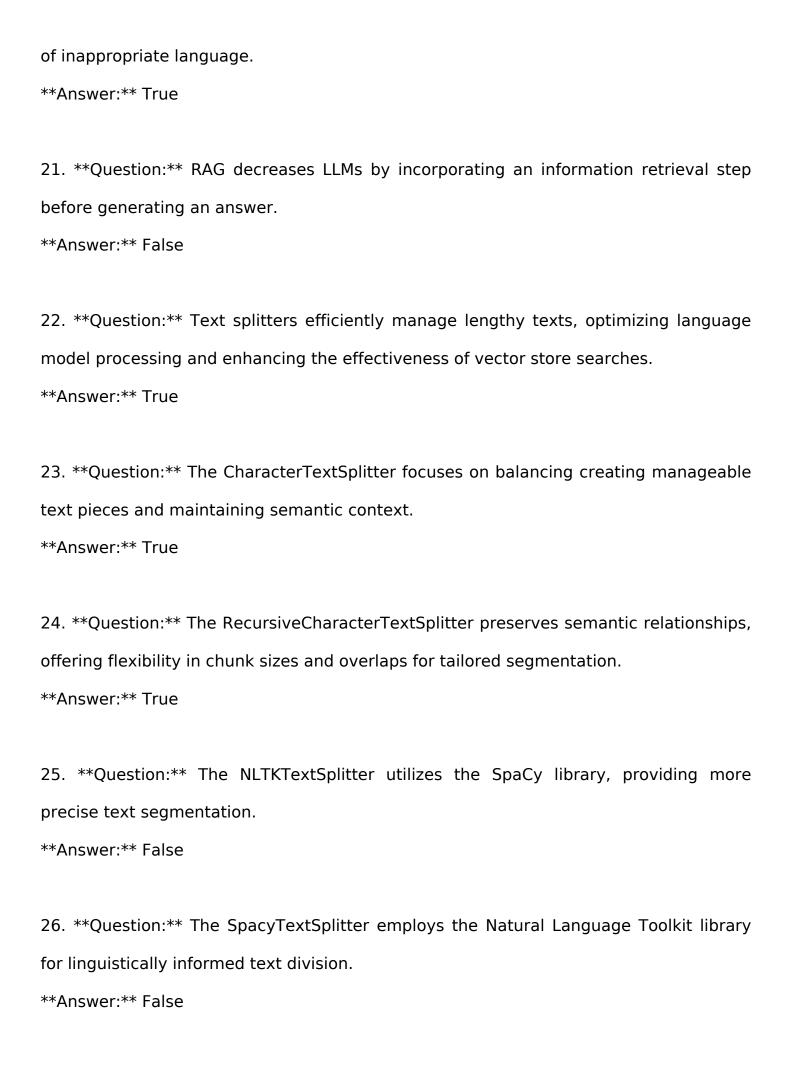
18. **Question:** In chain prompting, the output from one prompt serves as the input for the next.

Answer: True

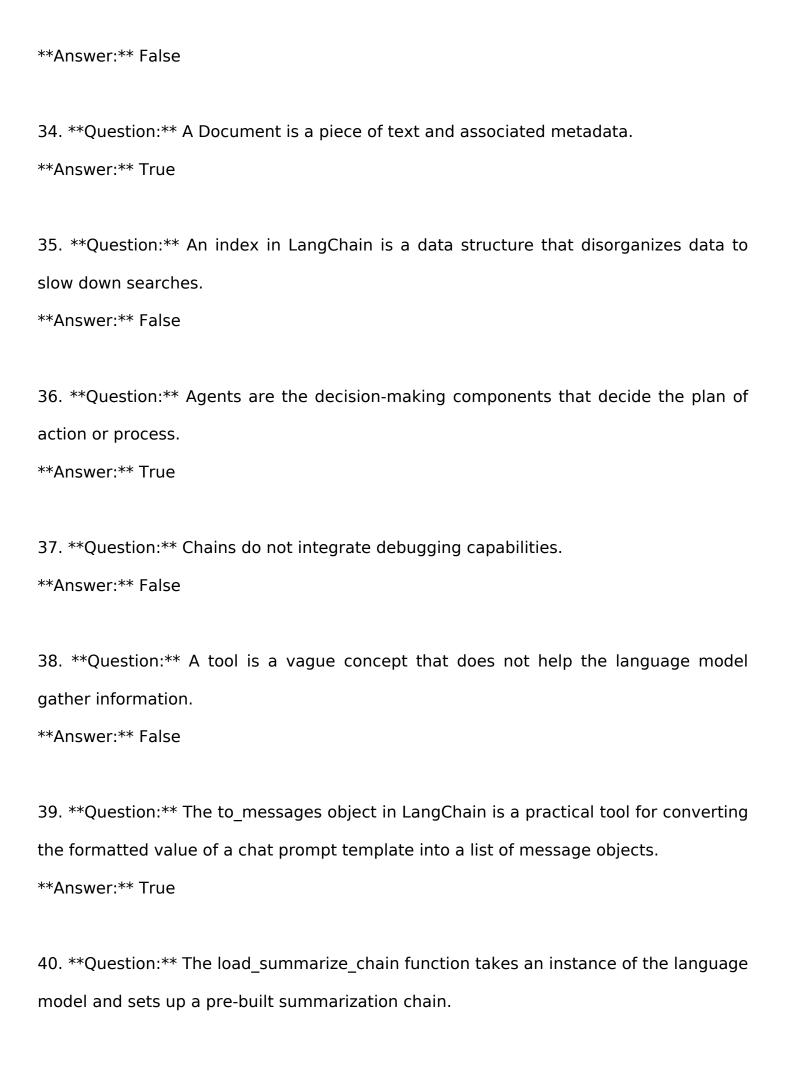
19. **Question:** Chain of Thought Prompting is effective primarily with models with around 10 billion parameters or less.

Answer: False

20. **Question:** ConstitutionalChain can protect brand images by preventing the use



- 27. **Question:** The MarkdownTextSplitter is designed for Excel-formatted content. **Answer:** False 28. **Question:** The TokenTextSplitter uses BPE tokens for text division, offering a detailed approach to segmenting text. **Answer:** True 29. **Question:** The Constitutional Principle class accepts four parameters: Name, Critique, Revision, and Expense. **Answer:** False 30. **Question:** Prompt engineering is a critical method that enhances the performance of language models across different applications and research areas. **Answer:** True 31. **Question:** Zero-shot prompting is effective when the model is asked to output with prior examples. **Answer:** False 32. **Question:** Prompting is inherently a process of refinement, often requiring multiple iterations to achieve the best results. **Answer:** True
- 33. **Question:** Langchain is a closed source framework designed to complicate the deployment of LLMs.



41. **Question:** OpenAI's Assistants API requires developers to create AI assistants	in
a more complicated manner.	

- 42. **Question:** The ChatPromptTemplate is used for structuring conversations with Al models, aiding in controlling the conversation's flow and content.
- **Answer:** True

Answer: True

Answer: False

- 43. **Question:** The HumanMessagePromptTemplate provides initial instructions, context, or data for the Al model.
- **Answer:** False
- 44. **Question:** The SystemMessagePromptTemplate consists of user messages that the Al model answers.
- **Answer:** False
- 45. **Question:** The goal of few-shot learning is to develop a function that assesses the differences between classes in the examples and query sets.
- **Answer:** False
- 46. **Question:** Large Language Models never produce outputs inconsistent with facts or the available inputs.
- **Answer:** False

47. **Question:** Bias in LLMs can also result in outcomes that favor particular perspectives over others.

Answer: True

48. **Question:** Hallucinations might be advantageous in creative fields such as fiction writing.

Answer: True

49. **Question:** Embeddings capture the essence of data, be it words, images, or anything else, depending on how the embedding model is made.

Answer: True

50. **Question:** Vector stores inefficiently store, find, and study large amounts of complex data.

Answer: False ?