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# **IBM S2000-027**

**IBM Artificial Intelligence Fundamentals Specialty v1**



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## **Product Version**

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# Latest Version: 6.0

## Question: 1

Which level of AI is characterized by the ability to perform any intellectual task that a human can perform?

Response:

- A. Broad AI
- B. Narrow AI
- C. General AI
- D. Superior AI

**Answer: C**

## Question: 2

Which prompting technique tests a model's ability to perform a task without prior examples?

Response:

- A. Zero-shot
- B. Chain-of-thought
- C. Transfer learning
- D. In-context learning

**Answer: A**

## Question: 3

Which type of financial documents can Natural Language Processing help analyze?

Response:

- A. Marketing reports
- B. Earning call reports
- C. Human-resource records
- D. Customer outreach reports

**Answer: B**

### Question: 4

Which steps occur during the model training process?

Response:

- A. Continuous random adjustment of model weights
- B. Performance evaluation on training data
- C. Generating predictions without using training data
- D. Weight updates until accuracy reaches a target threshold

**Answer: D**

### Question: 5

A company aims to increase transparency in an AI application. Which action help support this goal?

Response:

- A. List the models being used.
- B. Describe what data is collected.
- C. Commenting the code for algorithms applied during data preparation.
- D. Explain the business process supported by the AI system.

**Answer: B**

### Question: 6

How does a generalizer model support data minimization?

Response:

- A. By increasing model explainability
- B. By making training data less specific
- C. By making model outputs less identifiable
- D. By learning decision boundaries of the original model

**Answer: D**

### Question: 7

In AI systems, learning and understanding a topic requires processing vast amounts of information from sources such as books, articles, and magazines. What is this collection of textual data commonly called?

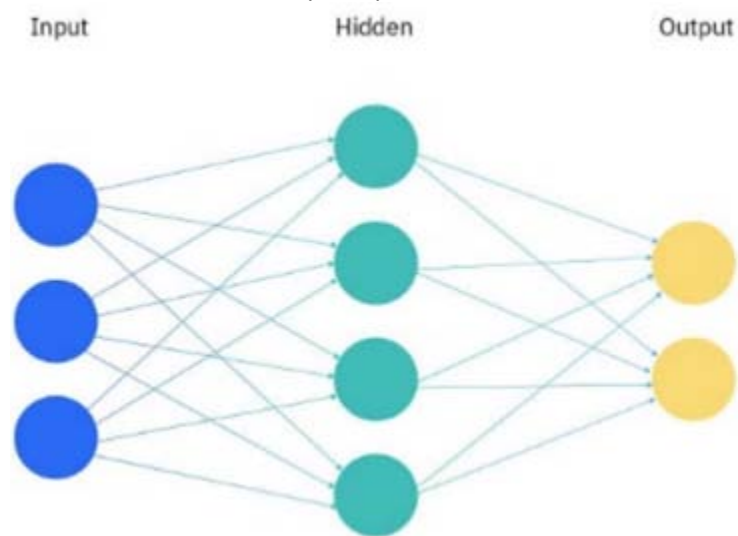
Response:

- A. Corpus
- B. Vectorized text
- C. Decoded contextual information
- D. Encoded contextual information

**Answer: A**

### Question: 8

What is the function of a perceptron in a neural network?



Response:

- A. It permanently stores data like a memory unit.
- B. It acts as a direct input-output node with no transformation.
- C. It serves only as a visual representation of the network's structure.
- D. It simulates a biological neuron by receiving inputs and producing an output.

**Answer: D**

### Question: 9

What is the primary difference between a Large Language Model (LLM) and a Foundation Model?

Response:

- A. A Foundation Model is a subtype of LLM for general-purpose tasks.
- B. A LLM is trained from scratch, while a Foundation Model is pre-trained.
- C. A LLM focuses only on text generation, while Foundation Models serve broader tasks.

D. A LLM is a type of Foundation Model specifically designed for natural language tasks.

**Answer: D**

### Question: 10

When evaluating fairness in AI, how are data groups typically defined?

Response:

- A. Using a legally mandated list of protected attributes.
- B. Based on attributes that may cause disparities in outcomes.
- C. By selecting the highest and lowest performers in a sample.
- D. Through random sampling of all possible values in the dataset.

**Answer: B**

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