

Dell EMC D-PEN-F-A-00

Dell Prompt Engineering Achievement

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Questions**

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Question: 1

Which of the following best describes Generative AI?

- A. An algorithm that generates network configurations for optimization
- B. A system that can create new content like text, images, or code based on learned patterns
- C. A framework used to supervise data in neural networks
- D. A rules-based expert system trained for task automation

Answer: B

Explanation:

Generative AI uses models like GANs or LLMs to generate new, original content based on training data. It doesn't just analyze or classify—it creates. This makes it ideal for content generation, code writing, and creative tasks.

Question: 2

Which of the following is a key feature of Large Language Models (LLMs)?

- A. They operate only on structured tabular data
- B. They require hardcoded rules to function
- C. They learn and predict language using deep neural networks
- D. They are limited to binary classification tasks

Answer: C

Explanation:

LLMs use deep learning architectures, especially Transformers, to learn from massive corpora of text. They understand context and semantics, enabling them to generate coherent language and solve complex NLP tasks.

Question: 3

What neural network architecture is most commonly used in LLMs like GPT?

- A. Recurrent Neural Network (RNN)
- B. Convolutional Neural Network (CNN)

- C. Transformer
- D. Feedforward Neural Network

Answer: C

Explanation:

Transformers are the backbone of modern LLMs. They use self-attention mechanisms to process entire sequences simultaneously, making them more efficient and context-aware than RNNs or CNNs in language tasks.

Question: 4

Which of the following are core components of a Transformer architecture? (Select two)

- A. Max pooling layer
- B. Self-attention mechanism
- C. Convolutional filters
- D. Positional encoding

Answer: B, D

Explanation:

Transformers rely on self-attention to weigh the relevance of different tokens and use positional encoding to maintain sequence information, since they process data in parallel without recurrence.

Question: 5

Which of the following is a strength of LLMs in prompt engineering?

- A. Guaranteed accuracy in numerical computations
- B. Deterministic and reproducible outputs
- C. Ability to generalize across tasks with few-shot or zero-shot prompts
- D. Operate independently of training data quality

Answer: C

Explanation:

LLMs can adapt to new tasks using few-shot or zero-shot prompts, allowing them to solve problems without retraining. However, their performance is still influenced by prompt design and training data quality.

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