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Question: 1

Throughout the evolution of AI hardware, Moore’s Law played a significant role. Why has the slowing of Moore's Law in recent years forced the industry to innovate in specific AI hardware architectures?

A. It necessitates general-purpose CPUs for all AI tasks.
B. It requires domain-specific accelerators like NPUs.
C. It mandates the reduction of all AI model accuracy.
D. It prevents the development of any future AI models.

Answer: B

Question: 2

When deploying a Large Language Model (LLM) into a production environment, an enterprise must choose between "Full Fine-Tuning" and "Parameter-Efficient Fine-Tuning" (PEFT).
Which characteristic of PEFT makes it the preferred approach for many businesses with limited hardware resources?

A. It updates only a small subset of weights.
B. It requires training all model parameters.
C. It deletes the pre-trained knowledge base.
D. It relies solely on randomized guesses.

Answer: A

Question: 3

How does the deployment of a "Local LLM" (running on-premise) differ from a "Cloud LLM" in terms of enterprise data strategy?

A. Local LLMs are always faster than Cloud LLMs.
B. Local LLMs do not require any electricity to run.
C. Local LLMs offer higher data privacy and sovereignty.
D. Cloud LLMs are physically impossible to use.

Answer: C

Question: 4

A company is evaluating the "Model-as-a-Service" (MaaS) business model for their internal AI operations. What is the primary operational benefit of MaaS compared to the traditional "On-Premise Custom Build" model?

A. It eliminates the need for any data usage.
B. It prevents the use of any internet connection.
C. It guarantees a 0% error rate for all tasks.
D. It offloads infrastructure maintenance to providers.

Answer: D

Question: 5

What is the function of a "Model Repository" (e.g., ModelArts model management) in the deployment lifecycle?

A. To version, store, and manage deployed models.
B. To keep the server room clean.
C. To prevent the model from being run.
D. To manually rewrite the model code.

Answer: A

Question: 6

Consider the historical evolution of AI algorithms. Why was the emergence of the Backpropagation algorithm in the 1980s a critical turning point for multi-layer neural networks?

A. It replaced the need for GPU-based hardware acceleration.
B. It completely eliminated the risk of vanishing gradients.
C. It allowed AI to run on low-power mobile microprocessors.
D. It provided a method to efficiently train deep network weights.

Answer: D

Question: 7

Which of the following is considered a major organizational challenge when implementing AI in traditional enterprises?

A. The availability of too many GPUs.
B. The inability to use programming languages.
C. Data silos and poor data quality.
D. The lack of electricity in offices.

Answer: C

Question: 8

During the "Data Labeling" stage, a project manager decides to use "Active Learning." What is the main benefit of this approach?

A. It forces humans to label every single data point.
B. It identifies the most informative samples for humans to label.
C. It completely eliminates the need for human input.
D. It prevents the model from ever being trained.

Answer: B

Question: 9

Why is "Memory Bandwidth" often a bottleneck in high-performance AI computing scenarios?

A. Data cannot reach the processor fast enough for math.
B. Because processors are faster at reading than memory.
C. Because all memory is stored in the cloud off-site.
D. Because memory has no impact on AI performance.

Answer: A

Question: 10

In a smart city project, what is the primary advantage of deploying AI inference at the "edge" (e.g., on the camera) rather than sending all video to the cloud?

A. It increases the cost of network bandwidth.
B. It forces the cloud to work faster.
C. It reduces latency and conserves bandwidth.
D. It makes the model less accurate.

Answer: C

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