Question 1

Which network component is critical for ensuring low latency and lossless transport in AI/ML data centers?

Parte superior do formulário

* 20:1 oversubscription ratio
* Explicit Congestion Notification (ECN)
* HDD storage
* SDD storage

Parte inferior do formulário

Question 2

What are the two key components of a modern AI infrastructure that support increased processing demands? (Choose two.)

Parte superior do formulário

* TPUs and ASICs
* manual data handling processes
* open-source frameworks
* on-premises deployment
* Proprietary algorithms
* Low-speed networking

Question 3

Which storage media is preferred for AI applications requiring rapid access to large datasets?

Parte superior do formulário

* HDDs
* SSDs
* tape drives
* rack servers

Parte inferior do formulário

Question 4

Which dependency should database administrators consider when migrating to another AI-focused vendor?

Parte superior do formulário

* data formats
* human capital
* extended contracts
* manual methods

Parte inferior do formulário

Question 5

Which data center environment is best suited to prevent AI vendor lock-in?

Parte superior do formulário

* active-active
* cloud-based
* active-standby
* one that is designed for interoperability

Parte inferior do formulário

Question 6

Which method of AI workload mobility offers greater control but may increase the potential for errors?

Parte superior do formulário

* automated methods
* manual methods
* orchestration technologies
* serverless architectures

Parte inferior do formulário

Question 7

Which of the following is an example of a compliance standard for AI?

Parte superior do formulário

* Ethical AI Principles
* NIST AI Risk Management Framework
* ISO/IEC 38505
* GDPR

Parte inferior do formulário

Question 8

What is the primary purpose of data sovereignty?

Parte superior do formulário

* to stimulate economic growth
* to ensure data is subject to local laws and governance
* to create job growth in AI-driven data centers
* to allow international data transfer without restrictions

Parte inferior do formulário

Question 9

Which three aspects of data sovereignty are crucial for protecting individual rights? (Choose three.)

Parte superior do formulário

* legal compliance
* economic impact
* privacy protection
* trust and accountability
* data localization
* corporate governance

Question 10

What is a key characteristic of AI accelerators?

Parte superior do formulário

* They are general-purpose processors.
* They are primarily used for data storage.
* They are less efficient than CPUs.
* They are designed to process AI workloads specifically.

Parte inferior do formulário

Question 11

Which type of AI is characterized by heavy energy use to achieve higher accuracy and speed?

Parte superior do formulário

* Red AI
* Green AI
* Blue AI
* Yellow AI

Parte inferior do formulário

Question 12

What is a significant challenge of implementing Green AI?

Parte superior do formulário

* lack of computational power
* insufficient data for training models
* high costs associated with greener technologies
* limited application áreas

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Question 13

What is the primary advantage of the policy-based configuration offered through Cisco Intersight?

Parte superior do formulário

* It requires more manual configuration to ensure server customization.
* It allows customers to automate and standardize server configurations, enhancing consistency.
* It focuses solely on reducing costs, with minimal focus on security.
* It limits scalability by requiring individual server management.

Parte inferior do formulário

Question 14

Why is adequate cooling a critical consideration when deploying high-performance servers for AI workloads?

Parte superior do formulário

* High-performance servers rarely generate significant heat, so cooling is optional.
* Insufficient cooling can lead to overheating, reduced performance, or hardware failure, especially when using high-power GPUs.
* Cooling is only needed when running servers in environments with extreme temperatures.
* AI workloads reduce the need for cooling as they optimize heat generation.

Parte inferior do formulário

Question 15

Training a large-scale AI model like Meta’s LLaMA requires significant GPU resources. What is a primary factor in determining the number of GPUs needed for efficient training?

Parte superior do formulário

* the total number of hours the GPUs can run
* the cost of each GPU
* the model's size and parameter count
* the availability of open-source libraries

Parte inferior do formulário

Parte inferior do formulário