Question 1

What is the primary function of a DPU?

Parte superior do formulário

* It renders graphics.
* It offloads data-intensive tasks from the CPU and GPU.
* It executes single-threaded tasks.
* It enhances video editing performance.

Parte inferior do formulário

Question 2

Which two tasks are ideal for a GPU? (Choose two.)

Parte superior do formulário

* AI workloads
* data compression
* I/O operations
* network security
* parallel tasks
* sequential processing
* video rendering

Question 3

Which two characteristics are associated with a DPU? (Choose two.)

Parte superior do formulário

* programmable processors combined with hardware acceleration
* contains thousands of smaller, efficient cores
* executes arithmetic and other instructions
* high-bandwidth memory
* high clock speeds
* optimized for single-threaded performance
* specialized for data-centric tasks

Question 4

What is the primary advantage of using a discrete GPU over an integrated GPU?

Parte superior do formulário

* higher performance for resource-intensive applications
* lower power consumption
* reduced heat generation
* smaller physical size

Parte inferior do formulário

Question 5

Which SmartNIC type is limited to predefined hardware capabilities?

Parte superior do formulário

* ASIC-based
* FPGA-based
* GPU-based
* SoC-based

Parte inferior do formulário

Question 6

Which feature of the Cisco UCS C-Series rack servers enhances the performance of deep-learning tasks?

Parte superior do formulário

* Modular LAN on Motherboard (mLOM)
* Intel AMX
* Double Data Rate 5 (DDR5) Memory
* Unified Management with Cisco Intersight

Question 7

What does the acronym "MIG" stand for in the context of GPU sharing technologies?

Parte superior do formulário

* multi-Instance GPU
* multiple Integrated Graphics
* modular Intelligent Graphics
* multi-User GPU

Parte inferior do formulário

Question 8

What is a characteristic of distributed training in AI/ML clusters?

Parte superior do formulário

* requires real-time response
* operates with low node-to-node bandwidth
* utilizes offline model training
* focuses on high availability

Question 9

What is the role of a container orchestrator in managing compute resources?

Parte superior do formulário

* to automate the lifecycle management of containers
* to provide hardware-level isolation for VMs
* to deploy serverless applications
* to manage network traffic between physical servers

Parte inferior do formulário

Question 10

Which two of the following are benefits of utilizing Intel AMX in Intel Xeon scalable processors for AI workloads? (Choose two.)

Parte superior do formulário

* increased thermal efficiency
* increased storage capacity
* improved network throughput
* reduced development time
* enhanced graphical rendering capabilities
* enhanced deep-learning training performance

Question 11

What are the functions of Nutanix Unified Storage (NUS) within the Cisco Hyperconverged Solution?

Parte superior do formulário

* It ensures disaster recovery and security features.
* It manages virtual networking across clouds.
* It enables scale-out storage capabilities.
* It provides block, file, and object storage services.
* It offers real-time data analytics.
* It controls hypervisor configurations.

Parte inferior do formulário

Question 12

Which component of the Cisco Hyperconverged Solution helps in provisioning and automating workloads across clouds?

Parte superior do formulário

* Nutanix Unified Storage
* Cisco Intersight
* Nutanix Cloud Manager
* Cisco UCS Compute

Parte inferior do formulário

Question 13

What two benefits does the integration of Run:ai with Cisco UCS X-Series provide for AI workload management? (Choose two.)

Parte superior do formulário

* dynamic resource allocation
* enhanced compute-only node flexibility
* manual scaling capabilities
* improved GPU memory partitioning
* advanced data encryption
* simplified workload management

Question 14

In the Cisco Compute Hyperconverged with Nutanix solution, what role does Cisco UCS Compute serve?

Parte superior do formulário

* It provides a unified storage solution.
* It enhances workload mobility.
* It combines compute and networking into a single platform.
* It manages global visibility and fleet management.

Parte inferior do formulário

Question 15

Which three components are part of device virtualization? (Choose three.)

Parte superior do formulário

* control plane
* virtual machine monitor
* data plane
* hypervisor
* management plane
* storage controller
* network interface card

Question 16

What are three benefits of using virtual infrastructure? (Choose three.)

Parte superior do formulário

* higher operational costs
* improved disaster recovery
* increased manual intervention
* increased physical server footprint
* limited scalability
* reduced hardware costs
* simplified management

Question 17

Which element of device virtualization provides modular software processes grouped into partitions and dedicated to certain virtual devices?

Parte superior do formulário

* control plane
* data plane
* software partitioning
* hardware components

Question 18

Which three elements included in a VRF instance? (Choose three.)

Parte superior do formulário

* forwarding table
* routing protocol instances
* routing table
* storage allocation
* virtual CPU
* virtual NIC
* virtual RAM

Question 19

Which component is essential for reducing latency in NVMe storage solutions?

Parte superior do formulário

* optical disc drives
* serial ATA interface
* PCIe bus
* legacy HDDs

Parte inferior do formulário

Question 20

Which two components are critical for optimizing the performance and scalability of AI data storage strategies? (Choose two.)

Parte superior do formulário

* data compression algorithms
* parallel file systems
* high-speed SSDs
* manual data entry protocols
* optical disc storage
* proprietary software solutions

Question 21

What is the primary feature of Fibre Channel over Ethernet (FCoE)?

Parte superior do formulário

* It encapsulates Fibre Channel frames within Ethernet frames.
* It requires a dedicated Fibre Channel infrastructure.
* It is incompatible with Ethernet protocols.
* It necessitates separate network adapters for SAN and LAN traffic.

Parte inferior do formulário

Question 22

Which storage technology is crucial for enabling real-time data processing in AI applications?

Parte superior do formulário

* tape drives
* NVMe
* optical storage
* parallel ATA

Parte inferior do formulário

Question 23

What is the primary function of the Cisco Nexus Dashboard Fabric Controller (NDFC) in setting up an AI cluster network?

Parte superior do formulário

* to streamline the deployment of AI-ready networks with QoS, PFC, and ECN mechanisms
* to manually configure QoS policies on each network device
* to exclusively manage physical server connections
* to automate software updates on AI servers

Parte inferior do formulário

Question 24

Which command is used to verify if the QoS configuration is applied to a switch?

Parte superior do formulário

* show version
* show interfaces
* show running-config
* show run ipqos

Parte inferior do formulário

Question 25

What three steps are necessary for configuring the EBGP overlay network in the Cisco NDFC? (Choose three.)

Parte superior do formulário

* Creating a dedicated VLAN for network traffic
* Defining leaf BGP ASNs using Cisco NDFC policies
* Enabling EBGP multihop option between leaf and spine switches
* Adding spine switches as EBGP neighbors to leaf switches
* Adding policies for EBGP neighboring between spine and leaf switches
* Establishing manual point-to-point connections
* Setting the loopback IP address as the BGP router ID

Question 26

When configuring network interfaces for AI workloads, which three configurations are essential according to the guide? (Choose three.)

Parte superior do formulário

* setting the Access Vlan to match the AI network VLAN ID
* enabling priority flow control on interfaces
* applying router configurations
* using the int\_access\_host policy template
* configuring interface security settings
* establishing DNS settings for each interface

Question 27

What are three potential challenges of using RAG systems with diverse document types? (Choose three.)

Parte superior do formulário

* variability in syntax and language
* incompatibility with cloud platforms
* inability to handle large files
* semantic differences across documents
* limited user interface customization
* differences in document structure

Question 28

In the RAG setup described, why is it important to choose an appropriate chunk size?

Parte superior do formulário

* to enhance the graphical performance of the system
* to reduce the cost of database storage
* to ensure each chunk captures semantically similar content
* to align with the frequency of database queries

Parte inferior do formulário

Question 29

What is a potential disadvantage of setting a high temperature value for GPT responses?

Parte superior do formulário

* It may limit the number of responses generated.
* It restricts the type of queries that can be processed.
* It can lead to more creative but less accurate responses.
* It causes the interface to become unresponsive.

Parte inferior do formulário

Question 30

What three factors influence the effectiveness of chunking in RAG systems? (Choose three.)

Parte superior do formulário

* data encryption level
* server operating system
* semantic coherence of chunks
* chunk size
* chunk overlap
* monitor size

Parte inferior do formulário

Parte inferior do formulário