Vendor: Cisco

Exam Code: 642-998

Exam Name: Designing Cisco Data Center Unified Computing (DCUCD)

Version: DEMO

QUESTION 1
You have a vPC domain that contains a Cisco Nexus 5000 Series pair. Which feature must you enable to make the Cisco Nexus pair operates as a single STP root?

A. auto-recovery
B. priority
C. peer-switch
D. peer-gateway

Answer: C

QUESTION 2
You plan to implement a new data center solution that will use an IGP. Which routing protocol must you use in a large full-mesh network that requires fast convergence and scalability?

A. LDP
B. BGP
C. RIP
D. EIGRP
E. IS-IS

Answer: E

QUESTION 3
Which two options are benefits of implementing Cisco FabricPath? (Choose two.)

A. All links between FabricPath switches are active.
B. The MAC addresses of servers are learned by all FabricPath switches.
C. Layer 2 protocols are used for loop avoidance.
D. MAC learning is conversation-based.
E. Segmentation is provided at Layer 3.

Answer: AD

QUESTION 4
Which two statements about the ports on a Cisco UCS 6248UP Fabric Interconnect are true? (Choose two.)

A. Ethernet ports are defined in blocks of ports.
B. Fibre Channel ports are defined as single ports.
C. The Ethernet ports start at any unified port and end at an even port.
D. The first Fibre Channel port must start after the last Ethernet port.
E. The last Fibre Channel port must come before the first Ethernet port.

Answer: AD

QUESTION 5
Which two technologies provide the greatest reduction in energy consumption for a data center? (Choose two.)

A. server virtualization
B. a converged network infrastructure
C. network virtualization
D. routing table virtualization
E. orchestration and automation

Answer: AB

QUESTION 6
You are comparing the use of a Cisco Nexus 1000V Series Switch and a VMware distributed virtual switch. Which two features are provided only by the Cisco Nexus 1000V Series Switch? (Choose two.)
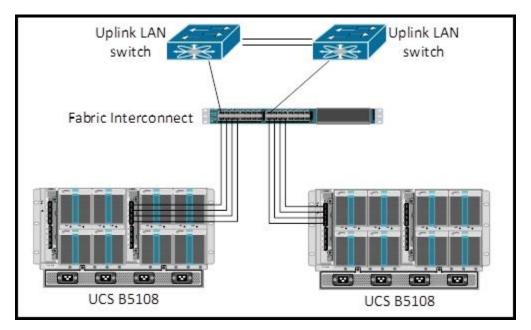
A. NetFlow capabilities
B. support for PVLANs
C. DSCP marking for QoS
D. 802.1Q VLAN tagging
E. vPC host mode pinning

Answer: CE

QUESTION 7
Refer to the exhibit. You have a virtual machine configured on each Cisco UCS B200 Series blade server installed on different Cisco UCS 5108 chassis. The virtual machines are on the same VLAN. The fabric interconnect is in end-host mode.
Which statement describes how communication occurs between the virtual machines?

A. Traffic is switched within the virtual switch and forwarded to the proper vNIC.
B. Traffic is switched by the hypervisor and forwarded to the proper vNIC.

C. Traffic is switched by the fabric interconnect and forwarded to the virtual machine.
D. Traffic is forwarded to the uplink switch where the fabric interconnect is connected.

Answer: C

QUESTION 8
Which statement accurately describes a disjoint Layer 2 network topology in Cisco UCS infrastructure?

A. A vNIC can communicate with only one Layer 2 domain.
B. A VLAN can overlap across Layer 2 domains.
C. A Cisco UCS Fabric Interconnect must be configured in switching mode.
D. Servers can use any virtual interface card.

Answer: A

QUESTION 9
Which three actions can be performed in a data center access layer based on a unified fabric?
(Choose three.)

A. QoS traffic classification
B. QoS traffic queuing
C. routing summarization
D. IGMP snooping
E. routing redistribution
F. traffic compression

Answer: ABD

QUESTION 10
You plan to use Cisco FEX and Cisco Nexus 7000 Series Switches. Which deployment model is valid?

A. straight-through connections that use static pinning
B. active/active fabric extenders that use vPC
C. straight-through connections that use dynamic pinning
D. active/active fabric extenders that use straight-through connections

Answer: C

QUESTION 11
You have a Cisco UCS environment. In which two ways can you track network usage trends during a six-month period? (Choose two.)

A. collection policies in Cisco UCS Manager
B. service templates in Cisco UCS Manager
C. CiscoWorks Device Fault Manager
D. Cisco Performance Manager
E. Device Discovery in Cisco Prime Data Center Network Manager

Answer: AD

QUESTION 12
Which three options are characteristics of N-Port ID Virtualization? (Choose three.)

A. primarily a switch-based technology
B. primarily a host-based solution
C. designed to reduce switch management and overhead in larger SAN deployments
D. introduces a new type of Fibre Channel port, the NP Port, which connects to an F Port and acts as a proxy for other N Ports on the NPIV-enabled switch
E. introduces a new type of Fibre Channel port, the NP Port, which connects to an F Port and acts as a proxy for other N Ports on the NPV-enabled switch
F. designed to increase switch management and overhead in larger SAN deployments
G. primarily a circuit switching technology

Answer: ACE

QUESTION 13
Which three benefits make a data center core Cisco Nexus 7010 Switch an effective solution? (Choose three.)

A. high availability
B. high performance
C. unified I/O
D. support for data center service modules
E. IP multicast
F. support for 24-port Gb/s line card
G. virtualization

Answer: ABC

QUESTION 14
Which appliance port is connected to a Cisco UCS?

A. Nexus port
B. Fibre Channel storage
C. Catalyst switch port
D. NFS storage

Answer: D

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