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Exam : **642-991**

**Title** : Cisco Data Center Unified Fabric Solutions Design(DCUFD)

Version : DEMO

1.What is one common benefit of U access and inverted U access design topologies for the access layer?

A. They both contain VLANs in switch pairs.

B. They are both forms of a looped design model.

C. They require no STP blocking; all uplinks are active.

D. They both support VLAN extension across aggregation switches.

Answer: C

2.Refer to the exhibit.
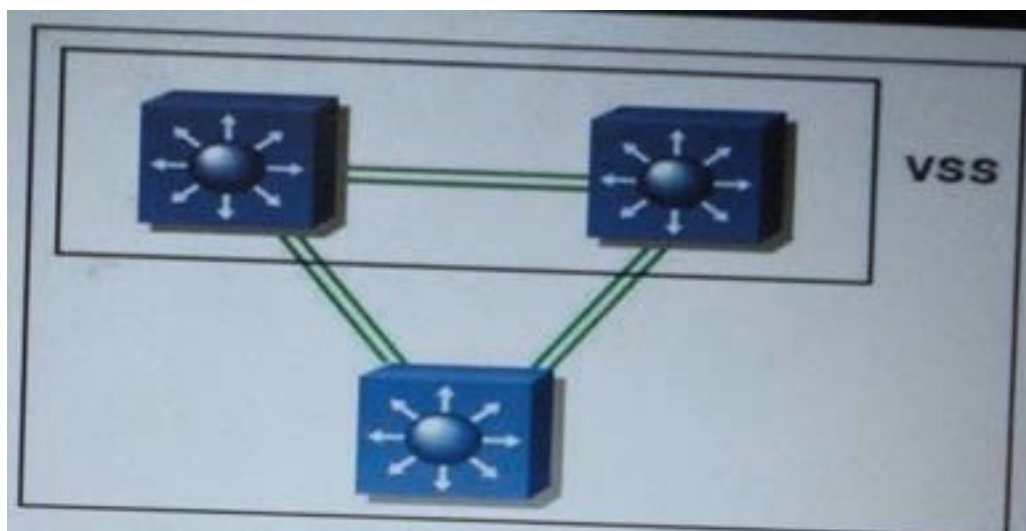
Which mechanism is preferred for traffic load balancing in this topology, when fast convergence is the design priority?

A. Spanning Tree Protocol

B. Layer 3 Equal-Cost Multipath

C. Multichassis EtherChannel

D. Hot Standby Routing Protocol

Answer: C

3.What are three effective ways to service multicast traffic in a data center environment? (Choose three.)

A. deploying VRFs per address family

B. configuring IGMP/PIM in the Cisco Catalyst 6500 Series FWSM

C. configuring IGMP/PIM in the Cisco ACE Module

D. configuring IGMP/PIM in the MSFC on a Cisco Catalyst 6500 switch

E. configuring service modules in transparent or bridged mode

Answer: B,D,E

4.What is a primary technology enabler for server I/O consolidation?

A. Fibre Channel

B. virtual SAN

C. Converged Network Adapter

D. virtual device contexts

Answer: C

5.What is a benefit that results from deploying a top-of-rack equipment design?

A. optimal port utilization in the rack

B. faster convergence for Layer 2 services

C. increased cabling simplicity

D. security enforced at the access layer

E. fewer ports required in the aggregation

F. reduced amount of STP instances

Answer: C

6.What simplifies troubleshooting and enhances protocol stability for OSPF?

A. using loopback interfaces

B. modifying the SPF delay hold time

C. advertising a default route into the data center

D. utilizing different OSPF process IDs

Answer: A

7.FCoE extends the reach of Fibre Channel throughout the data center by performing which action?

A. encapsulating Fibre Channel frames into Ethernet frames

B. aggregating Fibre Channel by using FC trunking

C. multiplexing Fibre Channel and Ethernet on the same physical media

D. allocating separate EtherChannels for LAN and SAN traffic

Answer: A

8.Which two functions enable lossless Ethernet in data center devices? (Choose two.)

A. classical QoS

B. multihop FCoE

C. priority flow control

D. collision avoidance support

E. CoS-based bandwidth management

Answer: C,E

9.You have been tasked with designing and implementing a data center network. You are ready to
configure a Cisco Unified Computing System to Nexus 7000 connection. To ensure active/active
forwarding for all VLANs on all Cisco Unified Computing System uplinks toward the Cisco Nexus 7000
switches, what is the correct configuration?

A. VSS between the two northbound Cisco Nexus 7000 switches and leave the fabric interconnects in their default mode.

B. vPC on the Cisco Nexus 7000 switches with the Cisco Unified Computing System fabric interconnects running in end-host mode.

C. vPC on the Cisco Nexus 7000 switches with the Cisco Unified Computing System fabric interconnects running in switch mode.

D. Nothing specific on the Cisco Nexus 7000 switches but enable switch mode on the Cisco Unified Computing System fabric interconnects.

Answer: B

10.You are deploying a new rack into your data center. This rack requires 10 x 1-Gb connections and 10 x 10-Gb connections. Which product would be best suited, and minimize unused ports, to provide networking connectivity to this rack?

A. Cisco Nexus 5010 because it supports 10 ports as either 1-Gb or 10-Gb

B. Cisco Nexus 5010 because it supports 20 ports as either 1-Gb or 10-Gb

C. Cisco Nexus 5020 because it supports 16 ports as either 1-Gb or 10-Gb

D. Cisco Nexus 5020 because it supports 32 ports as either 1-Gb or 10-Gb

Answer: C