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Question 1

An engineer must design a Cisco HyperFlex solution to support a virtualized environment in a single data center location. The design must consider these customer requirements:

a large-scale cluster with eight or more nodes

distributed high-performance file system for virtualized servers

high fault tolerance to multiple node failures

Which action meets these objectives?

Options:

A- Configure data destaging and deduplication

B- Implement a replication factor of four.

C- Enable logical availability zones.

D- Create multiple datastores for storage of VM.

Answer:

A

Question 2

An engineer must design a solution based on Cisco Nexus 7709 Switches. The solution must connect test and development network segments and separate the enterprise applications from the production network. The network security team requires routing instances and the IP stack to be completely separated from each other and for traffic between the environments to undergo a deep packet inspection. The development team also requests the ability to allocate additional physical interfaces from the Cisco Nexus 7709 device in each environment.

Which solution meets these requirements?

Options:

A- 1) Create a VRF for the testing and development environments.

2) Use ACLs to control traffic between the two environments.

B- 1) Enable new routing instances for the testing and development environments in the same VDC.

2) Control reachability by using firewall access policies.

C- 1) Assign a separate VDC for the testing and development environments.

2. Place a firewall between the VDCs.

D- 1) Create a separate VRF for the testing and development environments.

2) Control reachability by using firewall access policies.

Answer:

D

Question 3

Question Type: **MultipleChoice**

A data center uses Cisco Nexus 7000 Series Switch and contains two tenants, tenant A and tenant B.

Tenant A uses IP addresses in the 10.2.30.41/24 to 10.2.30.64/24 range.

Tenant B uses IP addresses in the 10.2.30.120/24 to 10.2.30.192/24 range.

The engineer must implement a solution that

Isolates the traffic for each tenant as separate routing data and control planes.

Physically partitions the Cisco Nexus device into separate multiple logical devices with separate management, failure domain isolation, and resource management.

Which two technologies meet these requirements? (Choose two.)

Options:

A- VDC

B- vPC

C- VXLAN

D- VLAN

E- VRF

Answer:

A, E

Question 4

Question Type: MultipleChoice

An engineer is building a data center network with VXLAN EVPN. The requirement is to use multicast for the broadcast, unknown unicast, and multicast replication.

Which two VNI to multicast group mapping methods must be used to meet these requirements? (Choose two.)

Options:

A- many NVE to one multicast group

B- one VNI to one multicast group

C- many VNI to one multicast group

D- one NVE to many multicast groups

E- many VNI to many multicast groups

Answer:

C, D

Question 5

Question Type: MultipleChoice

An engineer is installing a Cisco Nexus 7000 Series Switch with F2-Series I/O Module. The company's strict security policy requires that the port be in-band. The engineer must also keep these

considerations in mind:

The customer's security requirements mandate the use of a secure management mechanism that supports authentication and encryption.

The port should support management over IP.

Which port type must be used to meet these requirements?

Options:

A- management port

B- console port

C- connectivity management port

D- Ethernet port

Answer:

B

Question 6

Question Type: **MultipleChoice**

An engineer is implementing a Cisco UCS environment The requirements for the solution are for the MAC addresses to be learned only on the server-facing ports. The use of the Spanning Tree Protocol must be avoided. Also, the engineer must have deterministic traffic

handling from blades to uplink ports.

Which two settings must be selected to meet these requirements? (Choose two.)

Options:

A- end-host mode

B- dynamic pinning

C- NPIV mode

D- static pinning

E- switching mode

Answer:

A, D

Question 7

Question Type: **MultipleChoice**

A network engineer must design a data center network with four Cisco Nexus 7706 switches. The switches will be installed in primary and secondary data centers in vPC domains. The two data centers must be connected via Layer 2 links and provide the maximum throughput, redundancy, and avoid port-blocking spanning-tree design.

Which deployment model meets these requirements?

Options:

A- dual-sided single vPC

B- single-sided dual vPC

C- dual-sided dual vPC

D- single-sided single vPC

Answer:

C

Question 8

An engineer enables the HSRP feature on a Cisco Nexus 7000 Series Switch. It must be ensured that the switch manages packets that are sent to the local vPC MAC address, remote vPC MAC address, and HSRP virtual MAC address.

Which command accomplishes this goal?

Options:

A- peer-switch

B- peer-gateway

C- map-server

D- hsrp preempt

Answer:

B

Question 9

An engineer must design a secondary site to prevent a catastrophic primary site failure. The applications must communicate across sites via the data link layer of the OSI model. The Layer 3 transport that is available for this solution consists of 10-Gb connections over Layer 3.

Which two solutions meet these requirements? (Choose two.)

Options:

A- OTV

B- vPC

C- OSPF

D- ISIS

E- VXLANEVPN

Answer:

A, E

Question 10

Question Type: **MultipleChoice**

An engineer develops a framework for automatic repetitive tasks needed to manage a Cisco Nexus 9000 Series Switch. The engineer plans to use a programmatic interface and must keep these considerations in mind.

* The customer's environment requires the script to authenticate before executing further actions.

* The customer's security requirements mandate the use of HTTP transport.

* The automation team is familiar with parsing messages encoded in XML or JSON format.

Which solution meets these requirements?

Options:
A- SNMPv3

B- gRPC

C- RESTCONF

D- NX-API

Answer:
D