Cisco

Exam 351-080

CCIE Data Center Written Exam

Version: 26.0

**[Total Questions: 375]**

Topic break down

Topic	No. of Questions
Topic 1: Cisco Data Center Architecture	4
Topic 2: Cisco Data Center Infrastructure—Cisco NX-OS	120
Topic 3: Cisco Storage Networking	68
Topic 4: Cisco Data Center Virtualization	32
Topic 5: Cisco Unified Computing System	91
Topic 6: Cisco Application Networking Services	23
Topic 7: Mix Questions	37

Topic 1, Cisco Data Center Architecture

Question No : 1 - (Topic 1)

Refer to the exhibit.
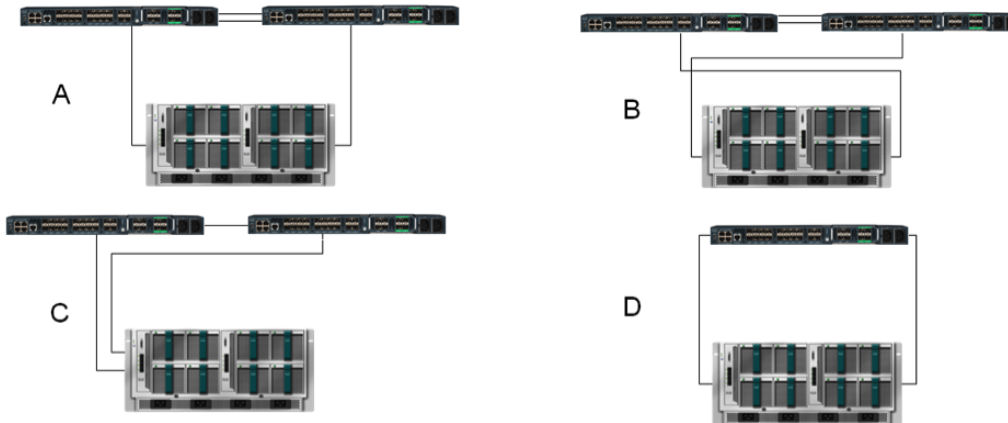
Which option is valid for connecting the fabric interconnects to the I/O module?

A. A, B, C, and D are valid.
B. A and B are valid.
C. A, B, and D are valid.
D. Only A is valid.

Answer: B

Question No : 2 - (Topic 1)

FabricPath brings the benefits of routing protocols to layer 2 network Ethernet environments. What are the advantages of using FabricPath technology? (Choose three.)

A. FabricPath provides MAC address scalability with conversational learning
B. Loop mitigation with TTL in the frame field
C. STPI independence
D. 10 Gbps bandwidth
E. Layer 2 extensions between data centers

Answer: A,B,C

Question No : 3 - (Topic 1)

Which three capabilities make the Cisco Nexus 7010 switch an effective solution for the data center core? (Choose three.)

A. virtualization
B. unified I/O
C. support for 48-port Gb/s line card
D. support for Data Center Service Modules
E. high performance
F. high availability

Answer: B,E,F

Question No : 4 - (Topic 1)

Which three concepts influenced the evolution of data centers? (Choose three.)

A. Consolidation
B. Expansion
C. Automation
D. Virtualization
E. Commoditization
F. Economics

Answer: A,C,D

Topic 2, Cisco Data Center Infrastructure—Cisco NX-OS

Question No : 5 - (Topic 2)

Which statement about SAN port channels configured on Cisco Nexus 5000 Series Switches is true?

A. A single SAN port channel can have both Fibre Channel and virtual Fibre Channel interfaces.
B. SAN port channels can include up to 16 interfaces.
C. SAN port channels distribute traffic across all links in the port channel when source ID and destination ID load balancing are used.

D. The links in SAN port channels can be connected to different sets of switches.
E. The On mode of operation means ports only operate as part of a SAN port channel or remain inactive.

Answer: E

Question No : 6 - (Topic 2)

Basic zoning changes are accomplished through the use of four SW_ILS frames. Which option identifies these frames in the correct order?

A. RCA, UFC, SFC, ACA
B. ACA, RCA, SFC, UFC
C. SFC, UFC, ACA, RCA
D. ACA, SFC, UFC, RCA
E. UFC, SFC, RCA, ACA

Answer: D

Question No : 7 - (Topic 2)

Refer to the exhibit.

CERTKILL

```
N5K(config)# show ip pim rp
PIM RP Status Information for VRF "default"
BSR disabled
Auto-RP RPA: unknown
BSR RP Candidate policy: None
BSR RP policy: None
Auto-RP Announce policy: None
Auto-RP Discovery policy: None

N5K(config)# show ip pim ne
PIM Neighbor Status for VRF "default"
Neighbor        Interface          Uptime     Expires    DR        Bidir-  BFD
                                                         Priority  Capable State
7.7.7.2         Vlan106            10:16:37   00:01:38   1         yes     n/a
```

RT1	RT2

feature pim
ip pim send-rp-announce lo10 group-list
239.0.0.0/24
 	
interface loopback10
  ip address 9.9.9.1/24
  ip router ospf 1 area 0.0.0.0
  ip pim sparse-mode
 	
interface Vlan106
  no shutdown
  ip address 7.7.7.2/24
  ip router ospf 1 area 0.0.0.0
  ip pim sparse-mode
  ip pim border
	feature pim
	
	interface loopback10
	  ip address 8.8.8.1/24
	  ip router ospf 1 area 0.0.0.0
	
	interface Vlan106
	  no shutdown
	  ip address 7.7.7.1/24
	  ip router ospf 1 area 0.0.0.0
	  ip pim sparse-mode

The customer is trying to configure a rendezvous point, but for some reason it is failing. Which configuration should be applied on both Nexus devices to configure the rendezvous point?

A. RT-2(config)#ip pim send-rp-discovery loopback10

RT-2(config)#interface lo0

B. RT-2(config-if)#ip pim-sparse

RT-2(config)#ip pim send-rp-announce lo10 group-list 239.0.0.0/24

RT-2(config)#interface lo0

RT-2(config-if)#ip pim-sparse

C. RT-2(config)#ip pim send-rp-discovery loopback10

RT-2(config)#interface lo0

RT-2(config-if)#ip pim-sparse

D. RT-1(config)#interface Vlan106

E. RT-1(config-if)#no ip pim border

RT-2(config)# ip pim send-rp-announce lo10 group-list 239.0.0.0/24

RT-2(config)#interface lo0

RT-2(config-if)#ip pim-sparse

F. RT-1(config)#interface Vlan106

G. RT-1(config-if)#no ip pim border

RT-2(config)# ip pim send-rp-discovery loopback10

H. RT-1(config)#interface Vlan106

RT-1(config-if)#no ip pim border

Answer: C

CERTKILL

Question No : 8 - (Topic 2)

Which two statements about authentication settings for DCNM-LAN are true? (Choose two.)

A. If none of the authentication servers that are configured for the current authentication mode responds to an authentication request, the DCNM-LAN server falls back to local authentication.
B. DCNM-LAN only supports TACACS+.
C. Each DCNM-LAN server will have the same device credentials.
D. Administering DCNM-LAN authentication settings require an authentication license.
E. DCNM-LAN server users are local to the DCNM-LAN server.

Answer: A,E

Question No : 9 DRAG DROP - (Topic 2)

Drag the terms on the left to the correct description on the right	
device alias	locks fabric for zoning change
FC alias	unlocks fabric after zoning change
ACA	triggers fabric to make zone change active
UFC	Cisco Proprietary
RCA	can map to multiple PWWNs

Answer:

Drag the terms on the left to the correct description on the right	
device alias	ACA
FC alias	RCA
ACA	UFC
UFC	device alias
RCA	FC alias

Question No : 10 - (Topic 2)

Refer to the exhibit.

```
Nexus5K(config-if)# sh ip access-lists

IPV4 ACL LO_FILTER
     statistics per-entry
     10 permit ip 9.9.9.0/24 any [match=10]
     20 permit ip any any [match=5]
```

The engineer needs to check if keepalive messages between two servers in the address range 9.9.9.0/24 arrive from the device that is directly connected via the trunk interface. Which two configurations should be applied on the switch port to achieve displayed output? (Choose two.)

A. ip access-list LO_FILTER
statistics per-entry
10 permit ip 9.9.9.0 0.0.0.255 any
20 permit ip any any
B. ip access-list LO_FILTER
10 permit ip 9.9.9.0 0.0.0.255 any
20 permit ip any any
C. ip access-list LO_FILTER
10 permit ip 9.9.9.0 0.0.0.255 any
20 deny ip any any
D. Nexus5K(config)# interface Ethernet1/1
Nexus5K(config-if)# ip access-group LO-FILTER in
E. Nexus5K(config)# interface Ethernet1/1
Nexus5K(config-if)# ip port access-list LO-FILTER in
F. Nexus5K(config)# interface Ethernet1/1
Nexus5K(config-if)# ip port access-group LO-FILTER out

Answer: A,E

Question No : 11 DRAG DROP - (Topic 2)

CERTKILL

Drag the features on the left that are supported by the Cisco Nexus 7000 F1 line card and drop them in the targets on the right. Not all options will be used.

OTV	
Layer 3	
FabricPath	
FCOE	
Full Netflow	

Answer:

Drag the features on the left that are supported by the Cisco Nexus 7000 F1 line card and drop them in the targets on the right. Not all options will be used.

OTV	OTV
Layer 3	FabricPath
FabricPath	FCOE
FCOE	
Full Netflow	

Question No : 12 - (Topic 2)

Which three statements about the configuration of vPC+ are true? (Choose three.)

A. The FabricPath switch ID must be configured under the vPC domain.
B. The virtual switch ID of vPC+ must be configured under the FabricPath domain.
C. On the Cisco Nexus 7000 switch, F1 interfaces must be used as the vPC+ peer links.
D. The vPC+ peer link must be configured as a Cisco FabricPath core port.
E. The FabricPath subswitch ID must be configured under the vPC domain.
F. There has to be atleast 4 virtual switches in the FabricPath domain.

Answer: A,C,D

Question No : 13 - (Topic 2)

Overlay Transport Virtualization (OTV) join interface is used to source the OTV encapsulated traffic and send it to the Layer 3 domain of the data center network.

Which statements are true about OTV join interface? (Choose three.)

A. Join interface is a Layer 3 entity, and with the Cisco NX-OS release 6.0, it can only be defined as a physical interface, physical subinterface, Layer 3 port channel, or Layer 3 port

channel subinterface.

B. A single join interface can be defined and associated with a given OTV overlay.

C. Multiple overlays can also share the same join interface.

D. Join interface can be a loopback interface.

E. The join interface is a Layer 3 entity that can be defined as a physical interface but not as a logical one.

Answer: A,B,C

Question No : 14 - (Topic 2)

Refer to the exhibit.
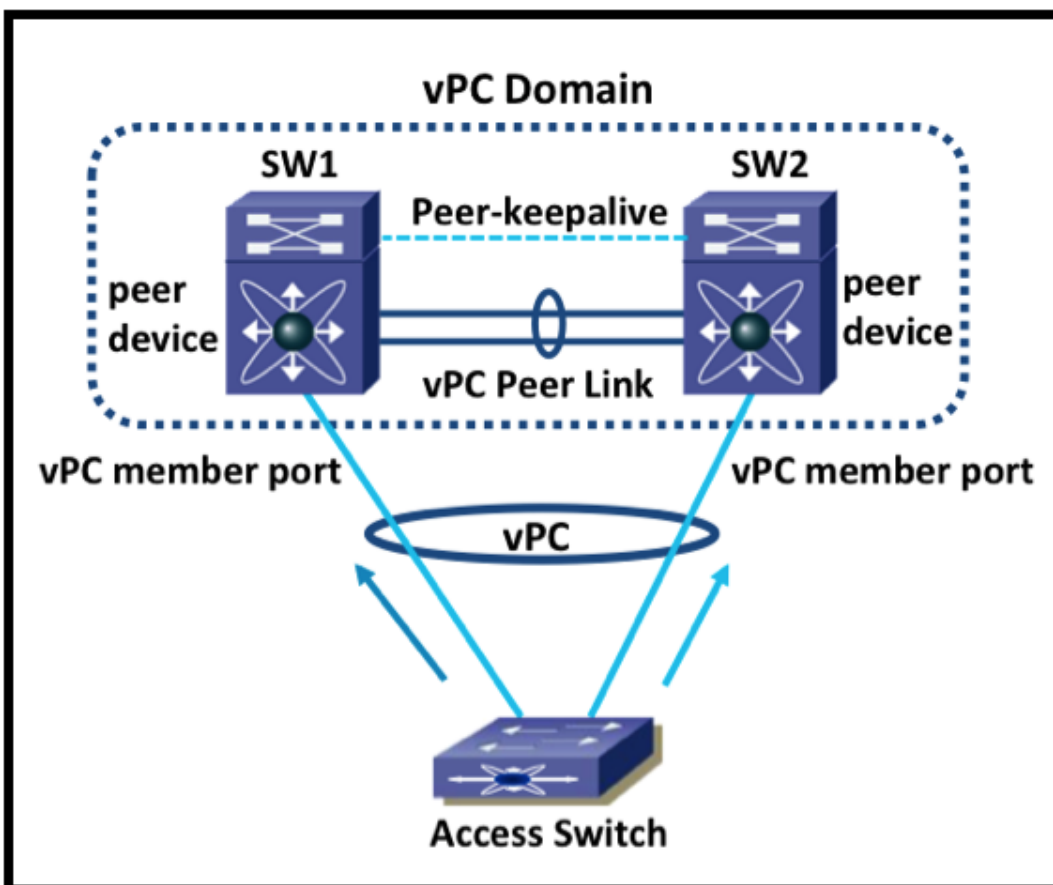
Which three statements describe the use of the vPC peer link in this topology? (Choose three.)

A. The peer link is used for synchronizing MAC addresses between SW1 and SW2.

B. The peer link is used for control plane traffic only.

C. The peer link provides necessary transport for multicast traffic.

D. The peer link is used for the communication of orphaned ports.