



**Vendor:** Cisco

**Exam Code:** 642-971

**Exam Name:** Cisco Data Center Networking Infrastructure  
Design (DCNID)

**Version:** DEMO

### QUESTION 1

Which Cisco product is deployed for content routing purposes?

- A. Cisco ACE GSS
- B. Cisco ACE appliance
- C. Cisco Content Engine 500
- D. Cisco ACE Module

**Answer:** A

### QUESTION 2

Which statement is correct about Cisco Catalyst 6500 E-Series Switches?

- A. They do not support CEF720 line cards.
- B. All their FRUs are compatible with older Catalyst 6500 chassis.
- C. They require different Cisco IOS code trains than older Catalyst 6500 chassis.
- D. They support all existing supervisors, line cards, switch fabrics, and software releases.

**Answer:** D

### QUESTION 3

Under which two circumstances is Layer 2 adjacency required? (Choose two.)

- A. when HSRP is used
- B. when NSF with SSO is configured
- C. when NIC teaming is implemented
- D. when clustered applications are supported
- E. when multiple access layer switches are attached to an aggregation module

**Answer:** CD

### QUESTION 4

Which is appropriate in situations where a switched fabric server is required for InfiniBand support, plus Ethernet and Fibre Channel integration?

- A. Cisco SFS 3000
- B. Cisco SFS 7000
- C. Cisco MDS 9000
- D. Cisco Virtual Blade Switch

**Answer:** A

### QUESTION 5

What simplifies troubleshooting and enhances protocol stability for OSPF?

- A. using loopback interfaces
- B. modifying the SPF delay hold time
- C. advertising a default into the data center

D. changing the default reference bandwidth

**Answer: A**

**QUESTION 6**

Which Cisco Catalyst 6500 Series FWSM mode of operation results in the least impact to the IP addressing scheme?

- A. routed
- B. bridged
- C. transparent
- D. pass-through

**Answer: C**

**QUESTION 7**

Which hardware-based security feature mitigates DDoS attacks against the Cisco Nexus switch itself?

- A. ACLs
- B. CoPP
- C. IP Source Guard
- D. IP sanity checks

**Answer: B**

**QUESTION 8**

Which Cisco Catalyst 6500 core technology enables Layer 2 multipathing, reducing reliance on STP?

- A. VSS
- B. RSTP
- C. virtual lanes
- D. EtherChannel

**Answer: A**

**QUESTION 9**

Which two functional areas are covered by the Cisco TrustSec model? (Choose two.)

- A. port scans
- B. IP spoofing
- C. DDoS attacks
- D. packet confidentiality and integrity
- E. access control via security group ACLs

**Answer: DE**

**QUESTION 10**

Which feature is supported in the Cisco ASA 5580 Adaptive Security Appliance but not in the Cisco Catalyst 6500 Series FWSM?

- A. VPNs
- B. VLANs
- C. IDS/IPS
- D. stateful inspection

**Answer: A**

**QUESTION 11**

Used in combination with DHCP snooping, which feature helps prevent spoofing attacks in the data center access layer?

- A. RPF
- B. port security
- C. RFC 3704 filtering
- D. Dynamic ARP Inspection

**Answer: D**

**QUESTION 12**

Which condition requires a Layer 2 access design?

- A. multicast applications
- B. improved convergence time
- C. load balancing of uplink paths
- D. service modules in the aggregation layer

**Answer: D**

**QUESTION 13**

A network requires a data center aggregation layer switch, with high-scalability 10 Gigabit Ethernet networking, and unified fabric to integrate data center technologies. Which Cisco product would you recommend?

- A. Cisco Nexus 5000 Series switch
- B. Cisco Nexus 7000 Series switch
- C. Cisco Nexus 7000 Series VSS
- D. Cisco Catalyst 6500 Series switch running NX-OS

**Answer: B**

**QUESTION 14**

Which two solutions scale up to 1.4-Tb/s system bandwidth capacity? (Choose two.)

- A. Cisco Nexus 5000
- B. Cisco Nexus 7010

- C. Cisco Catalyst 6500 VSS 1440
- D. VSS-aggregated Nexus 7010
- E. Cisco Catalyst 6500 with 1.4-Tb/s SFM

**Answer:** BC

**QUESTION 15**

Which benefit results from deploying Cisco Catalyst 4948 Switches in a top-of-rack access layer design?

- A. increased fault tolerance
- B. improved server density
- C. simpler logical topology
- D. improved power distribution

**Answer:** D

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