



**Vendor:** Cisco

**Exam Code:** 642-974

**Exam Name:** Cisco Data Center Networking Infrastructure  
Support - 2 (DCNIS2)

**Version:** DEMO

### QUESTION 1

The install all command performs which two functions? (Choose two.)

- A. restores the old image as the new kickstart image
- B. backs up the currently active software image before upgrading it
- C. causes a switchover back to the originally active supervisor module
- D. copies the kickstart and system images to the standby supervisor module
- E. reloads the standby supervisor module with the new Cisco NX-OS software

**Answer:** DE

### QUESTION 2

How many paths can be considered in NX-OS for equal-cost multipathing?

- A. 4
- B. 8
- C. 12
- D. 16

**Answer:** D

### QUESTION 3

Which command enables uRPF in strict mode?

- A. ip verify unicast source strict
- B. ip verify unicast source reachable-via rx
- C. ip verify unicast source reachable-via any
- D. ip verify unicast source reachable-via strict

**Answer:** B

### QUESTION 4

In policy-based routing, what action is taken to packets that do not match any of the route-map statements?

- A. dropped
- B. forwarded using the specified "set" policy
- C. continue being evaluated against the implicit "permit" statement
- D. forwarded using a policy identical to packets matching a "deny" statement

**Answer:** D

### QUESTION 5

How does the Ethernet Host Virtualizer accomplish multiple active uplinks and loop prevention in a Cisco Nexus 5000 Switch?

- A. by implementing PVST
- B. by PortChanneling uplink ports

- C. by pinning MAC addresses to specific ports
- D. by tying a server interface to a border interface in the switching fabric

**Answer: C**

#### **QUESTION 6**

Using the default VDC high-availability options in the Cisco Nexus 7010 Switch, which of the following occurs after a failure?

- A. If single supervisor, a graceful restart is forced.
- B. If dual supervisors, a supervisor switchover is forced.
- C. The VDC is deleted and no further action will be performed.
- D. The VDC is deleted and then re-created with startup configuration.

**Answer: B**

#### **QUESTION 7**

What can a Cisco Nexus 7010 Switch administrator do per VDC to provide OOB management?

- A. allocate separate VLANs and VRFs per VDC
- B. use 802.1Q trunking and provide a separate VLAN per VDC
- C. use different OOB management ports for the different VDCs
- D. use the same VLAN and subnet for all VDCs, with different IP addresses

**Answer: D**

#### **QUESTION 8**

During failover, what happens with the MAC address of the standby HSRP router?

- A. It is reclaimed by the active router.
- B. The standby router sends gratuitous ARP messages.
- C. The standby router assumes the virtual MAC address.
- D. It defaults to the factory-burned MAC address of the standby router.

**Answer: C**

#### **QUESTION 9**

Information gathered during the DCNM initial discovery includes information about which of the following?

- A. MIBs
- B. SNMP clients
- C. running configuration
- D. directly connected devices only

**Answer: C**

**QUESTION 10**

How are DHCP messages validated in the DHCP snooping process?

- A. Traffic is blocked if it matches MAC addresses of invalid DHCP servers.
- B. Trusted sources are matched by identifying RFC-consistent DHCP calls.
- C. Untrusted sources are identified by configuring their connecting interfaces.
- D. Untrusted sources are matched against a database of valid DHCP bindings.

**Answer: C**

**QUESTION 11**

When a router using OSPF Graceful Restart fails, what will its OSPF neighbors do?

- A. continue forwarding after switchover
- B. gracefully restart their OSPF process
- C. continue forwarding during switchover
- D. announce their grace period to other active neighbors

**Answer: C**

**QUESTION 12**

A failure situation includes a corrupted operating system image and no connectivity via in-band management into a Cisco Nexus 7010 Switch. The system cannot boot up. Which component can be used to resolve the situation?

- A. USB ports
- B. internal bootdisk
- C. ROM monitor mode
- D. Connectivity Management Processor

**Answer: D**

**QUESTION 13**

Refer to the exhibit. What will be the result of this configuration?

```
Nexus(config)# monitor session 1
Nexus(config-monitor)# source interface e2/4
Nexus(config-monitor)# destination interface e2/1
Nexus(config-monitor)# filter vlan 55,56
Nexus(config-monitor)#
```

- A. VLANs 55 and 56 are monitored on port e/21.

- B. One SPAN session is monitored on port e2/4.
- C. VLANs 55 and 56 are copied from trunk interface e2/4.
- D. VLANs 55 and 56 are not copied to SPAN destinations.

**Answer: C**

**QUESTION 14**

Which function learns MAC and IP addresses used in the Dynamic ARP Inspection feature?

- A. uRPF
- B. port security
- C. IP Source Guard
- D. DHCP snooping

**Answer: D**

**QUESTION 15**

Which two enhanced Ethernet features facilitate FCoE? (Choose two.)

- A. EtherChannel
- B. jumbo frames
- C. priority flow control
- D. collision avoidance
- E. virtual interface group

**Answer: BC**

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