Exam Code: 642-974
Exam Name: Data Center Networking Infrastructure Support Specialist
Vendor: CISCO
Version: DEMO
Part: A

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
Correct Answers: D E

2: How many paths can be considered in NX-OS for equal-cost multipathing?
A. 4
B. 8
C. 12
D. 16
Correct Answers: D

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
Correct Answers: B

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
Correct Answers: D

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
Correct Answers: C

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.

Correct Answers: B

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

Correct Answers: D

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.

Correct Answers: C

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

Correct Answers: C

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.

Correct Answers: C

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

Correct Answers: C

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

Correct Answers: D

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.

Correct Answers: C

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

Correct Answers: D

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

Correct Answers: B C