



**Vendor:** Juniper

**Exam Code:** JN0-280

**Exam Name:** Data Center, Associate (JNCIA-DC)

**Version:** DEMO

**QUESTION 1**

Which of the following is a key benefit of implementing High Availability (HA) in a network?

- A. Reduced network security
- B. Increased network downtime
- C. Enhanced data redundancy
- D. Slower data recovery

**Answer: C**

**QUESTION 2**

In OSPF, which command is commonly used to monitor neighbor relationships?

- A. show ip ospf neighbors
- B. show ospf database
- C. show ip route ospf
- D. show ospf interfaces

**Answer: A**

**QUESTION 3**

What protocol and port does BGP use for control plane communication?

- A. protocol TCP, port 179
- B. protocol UDP, port 179
- C. protocol TCP, port 159
- D. protocol UDP, port 159

**Answer: A**

**QUESTION 4**

With regards to graceful restart, which two statements are true? (Choose two.)

- A. A supported routing protocol, such as BGP, must be operational for graceful restart to work.
- B. NSR must be enabled for graceful restart to work.
- C. Dual routing engines are required for graceful restart to work.
- D. The network topology must be stable for graceful restart to work.

**Answer: AD**

**QUESTION 5**

What is the purpose of using route reflectors in BGP?

- A. To encrypt BGP messages
- B. To reduce the number of required IBGP sessions in a network
- C. To increase the speed of BGP convergence
- D. To automatically select the best route

**Answer: B**

#### QUESTION 6

What does the "qualified-next-hop" feature do when configuring a static route?

- A. It allows you to specify an independent route preference value for an additional next hop.
- B. It specifies the IP address of the directly connected device.
- C. It instructs the device to verify the next-hop is reachable before activating the route.
- D. It instructs the device to look up a static route's next-hop that is not directly connected.

**Answer: A**

#### QUESTION 7

In the context of Ethernet bridging on Junos devices, what is the purpose of the Spanning Tree Protocol (STP)?

- A. To prevent routing loops.
- B. To provide a mechanism for VLAN tagging.
- C. To prevent Layer 2 switching loops.
- D. To filter MAC addresses.

**Answer: C**

#### QUESTION 8

Which statement is correct about the OSPF link-state database?

- A. Each router within the same area must maintain a unique copy of the link-state database.
- B. Each router within the same area must maintain an identical copy of the link-state database.
- C. Each router within the OSPF domain must maintain a unique copy of the link-state database.
- D. Each router within the OSPF domain must maintain an identical copy of the link-state database.

**Answer: B**

#### QUESTION 9

In a Spine/Leaf IP-Fabric architecture, what is the primary role of the leaf switches?

- A. To provide direct connectivity to servers.
- B. To interconnect different data centers.
- C. To perform deep packet inspection.
- D. To manage the overall data center network.

**Answer: A**

#### QUESTION 10

What is the primary function of a VLAN?

- A. To encrypt network traffic.
- B. To provide a routing mechanism between different networks.
- C. To segment a network into multiple broadcast domains.

D. To control network traffic based on MAC addresses.

**Answer: C**

**QUESTION 11**

What roles do the Designated Router (DR) and Backup Designated Router (BDR) play in OSPF?

- A. They redistribute routes between OSPF and non-OSPF networks.
- B. They are responsible for generating LSAs for external routes.
- C. They reduce the number of adjacencies on broadcast networks.
- D. They determine the shortest path first algorithm.

**Answer: C**

**QUESTION 12**

Which two statements are correct about BGP? (Choose two.)

- A. IBGP peers do not advertise routes learned from IBGP peers to other IBGP peers.
- B. EBGP uses the AS path to avoid loops.
- C. IBGP sessions are typically established between physical router interfaces.
- D. EBGP sessions are typically established between router loopback interfaces.

**Answer: AB**

**QUESTION 13**

Which of the following are correct about OSPF router ID selection? (Choose two)

- A. It can be manually configured.
- B. It is chosen based on the highest IP address of any active interface by default.
- C. It is always the IP address of the loopback interface.
- D. It is selected based on the lowest MAC address.

**Answer: AB**

**QUESTION 14**

EVPN/VXLAN is primarily used in modern data centers to:

- A. Increase the physical distance between data centers.
- B. Provide Layer 2 connectivity over a Layer 3 network.
- C. Replace traditional routing protocols.
- D. Enhance the physical security of the data center.

**Answer: B**

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