



**Vendor:** Juniper

**Exam Code:** JN0-349

**Exam Name:** Enterprise Routing and Switching, Specialist

**Version:** DEMO

**QUESTION 1**

Your router is learning the 172.25.11.0/24 prefix from both the BGP and OSPF protocols. A routing policy is configured on your device to advertise the prefix to an established BGP peer but the peer is not receiving the prefix. You want to allow the prefix to be advertised to the BGP peer. What should you do on this router to satisfy this requirement?

- A. Enable the automatic removal of peer AS information from the prefix.
- B. Enable the advertisement of inactive BGP routes.
- C. Enable the automatic removal of private AS numbers from the prefix.
- D. Enable the automatic refreshing of BGP routes.

**Answer: B**

**QUESTION 2**

What is a characteristic of OSPF ASBRs?

- A. ASBRs transmit routing information between the backbone and other areas.
- B. ASBRs cannot be part of the backbone and another area at the same time.
- C. ASBRs inject routing information from outside the OSPF domain.
- D. ASBRs link two OSPF areas.

**Answer: C**

**QUESTION 3**

You have an OSPF NSSA area that is also receiving IS-IS routes on the ASBR. In this scenario, which LSA type is used to announce external IS-IS routes?

- A. Type 7
- B. Type 8
- C. Type 1
- D. Type 4

**Answer: A**

**QUESTION 4**

Which two statements about the default load-balancing behavior for the Junos OS are correct? (Choose two.)

- A. By default, the Junos OS performs a per-packet load-balancing operation.
- B. By default, the Junos OS installs multiple equal-cost next hops in the forwarding table for a destination prefix.
- C. By default, the Junos OS selects one of the equal-cost next hops for received destination prefixes.
- D. By default, all Packet Forwarding Engine slots are assigned the same hash value on the Junos device.

**Answer: CD**

**QUESTION 5**

Click the Exhibit button.

```
{master:0}
user@switch> show vlans
```

Routing instance	VLAN name	Tag	Interfaces
default-switch	default	1	ge-0/0/0.0* ge-0/0/1.0* ge-0/0/2.0 ge-0/0/3.0* ge-0/0/4.0 ge-0/0/5.0* ...

Referring to the exhibit, what does the asterisk(\*) following the ge-0/0/5.0 interface indicate?

- A. It indicates the interface is not active.
- B. It indicates the interface is a trunk port.
- C. It indicates the interface is an access port.
- D. It indicates the interface is active.

**Answer: D**

#### QUESTION 6

What are three requirements to ensure proper GRE or IP-IP tunnel routing? (Choose three.)

- A. Keepalives must be used on stateless tunneling protocols.
- B. Tunnel endpoints must have a route that directs traffic into the tunnel.
- C. BGP must be used on intermediate devices.
- D. Tunnel endpoints must have a valid route to the remote endpoint.
- E. All intermediary devices must have a route to the tunnel endpoints.

**Answer: BCD**

#### QUESTION 7

You are configuring IBGP and you must ensure that reachability is maintained between participating routers, even if the physical topology changes.

Which two actions should you perform in this scenario? (Choose two.)

- A. Configure DHCP on all IBGP devices.
- B. Configure an IGP within your IBGP network.
- C. Configure static routes to all IBGP peers.
- D. Configure IBGP peerings to loopback addresses.

**Answer: BD**

#### QUESTION 8

What are three reasons a router would send out an IS-IS link-state PDU? (Choose three.)

- A. A new external route is imported from BGP.
- B. The router's link to a neighbor goes down.
- C. A new neighbor exists on the link.
- D. The cost of a link to an existing neighbor has changed.
- E. IS-IS sends link-state PDUs at random intervals.

**Answer:** BCD

**QUESTION 9**

Which two statements about Layer 2 firewall filters are correct? (Choose two.)

- A. You can apply only one firewall filter term per filter.
- B. You can apply only one input filter per VLAN.
- C. You can apply multiple firewall filter terms per filter.
- D. You can apply multiple input filters per VLAN.

**Answer:** BC

**QUESTION 10**

What is the default route preference for BGP?

- A. 150
- B. 167
- C. 170
- D. 179

**Answer:** C

**QUESTION 11**

Which two statements about Layer 2 loop prevention protocols are correct? (Choose two.)

- A. RSTP distributes the current tree topology using the root bridge.
- B. STP can take 30 to 50 seconds to respond to a topology change.
- C. RSTP can take 30 to 50 seconds to respond to a topology change.
- D. STP distributes the current tree topology using the root bridge.

**Answer:** AB

**QUESTION 12**

You have two routers unable to form an IS-IS Level 1 adjacency.  
Which two statements describe a reason for this problem? (Choose two.)

- A. The MTU is set to 1500.
- B. Interface lo0 is not included as an IS-IS interface.
- C. The area numbers are different.
- D. The interfaces are on different subnets.

**Answer:** CD

**QUESTION 13**

Which statement is correct about the OSPF router ID (RID)?

- A. The OSPF RID must match for all routers in the same area.
- B. The OSPF RID for IPv6 is a 128-bit address.
- C. The OSPF RID for IPv4 is a 32-bit address.
- D. The OSPF RID is not necessary when BFD is implemented.

**Answer:** C

**QUESTION 14**

Click the Exhibit button.

```
[edit protocols bgp]
user@router# show
import add-community;
export next-hop-self;
group ISPs {
    type external;
    import local-pref;
    export adv-aggregate;
    neighbor 172.30.1.1 {
        peer-as 65100;
    }
    neighbor 172.30.2.1 {
        export adv-custom;
        peer-as 65200;
    }
}
group Internal-Peers {
    type internal;
    neighbor 192.168.110.10;
    neighbor 192.168.110.20;
}
```

Which statement is true about the configuration shown in the exhibit?

- A. Only the next-hop-self export policy will be evaluated when routes are sent to neighbor 172.30.1.1.
- B. Both the adv-aggregate and adv-custom export policies will be evaluated when routes are sent to neighbor 172.30.2.1.
- C. Both the adv-aggregate and next-hop-self export policies will be evaluated when routes are sent to neighbor 172.30.1.1.

- D. Only the adv-custom export policy will be evaluated when routes are sent to neighbor 172.30.2.1.

**Answer: D**

**QUESTION 15**

Which two statements are true about a unified in-service software upgrade (ISSU)? (Choose two.)

- A. The graceful Routing Engine switchover (GRES) and nonstop active routing (NSR) features must be enabled.
- B. It is possible to take PICs offline or bring them online during a unified ISSU.
- C. Unified ISSU is only supported by the dual Routing Engine platforms.
- D. The master Routing Engine and backup Routing Engine can be running different Junos versions before performing a unified ISSU.

**Answer: AC**

**QUESTION 16**

Which three statements describe what happens when processing a frame for a switched packet? (Choose three.)

- A. The ingress PFE performs the MAC address lookup.
- B. The frame enters the ingress port and is forwarded out all ports.
- C. The frame enters the ingress port and is processed by the ingress PFE.
- D. The ingress PFE sends the header information to the Routing Engine.
- E. The egress PFE forwards the packet out the egress port towards the destination.

**Answer: ACE**

**QUESTION 17**

The next hop for the route is not reachable.

In this scenario, what are two ways that BGP handles this route? (Choose two.)

- A. The route is placed into the forwarding table as an inactive route.
- B. The route is not placed into the forwarding table.
- C. The route is placed into the routing table as a hidden route.
- D. The route is placed into the forwarding table as a hidden route.

**Answer: BC**

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