

# Juniper

## Exam Questions JN0-663

Service Provider Routing and Switching Professional (JNCIP-SP)



### NEW QUESTION 1

Which two statements are correct about Opaque LSAs in OSPF? (Choose two )

- A. Type 9 LSAs are used for graceful-restart and have link-local scope
- B. Type 11 LSAs are used for MPLS label exchange and have link-local scope
- C. Type 10 LSAs are used for MPLS traffic-engineering and have area scope.
- D. Type 11 LSAs are used for MPLS traffic-engineering and have area scope

**Answer:** AB

### NEW QUESTION 2

Which two statements about IS-IS are correct? (Choose two.)

- A. Level 1 intermediate systems exchange routing information with Level 1 intermediate systems in other IS-IS areas.
- B. An IS-IS router sets the attached bit in the PDUs it sends to a Level 1 area to indicate that it is a backbone router.
- C. A Level 1 router can only form adjacencies with other Level 1 routers.
- D. Level 2 routers can form adjacencies with either Level 1 or Level 2 routers.

**Answer:** BC

### NEW QUESTION 3

Exhibit.

Two CE devices (CE-1 and CE-2) belong to the same customer and connect into a single PE device (PE-1) However, the CE devices cannot communicate with each other You want to allow the CE devices to communicate with each other Referring to the exhibit, which action would solve the problem?

- A. Configure both routing instances with the set routing-options auto-export-statement
- B. Configure both routing instances with the set routing-options autonomous-system loops 3 statement
- C. Configure both routing instances with the vrf-table-label statement
- D. Configure both routing instances with the as-override statement within the BGP protocol

**Answer:** A

### NEW QUESTION 4

Which two statements about wide and narrow metrics used in IS-IS are correct? (Choose two)

- A. Wide metrics are sent by default and use 24 bits in TLVs to send information
- B. Narrow metrics are enabled by default and use 8 bits in TLVs to send information
- C. Disabling narrow metrics results in external routes being leaked from L1 to L2 areas automatically
- D. Wide metrics are enabled with the wide-metrics-or.ly parameter under protocols IS-IS hierarchy.

**Answer:** BC

### NEW QUESTION 5

Exhibit:

Referring to the exhibit, which three statements about route 10.222/16 are correct when using the default BGP advertisement rules? (Choose three)

- A. R2 will advertise 10.222/16 to R4 with itself as the next hop.
- B. R2 will prepend AS10 when advertising 10.222/16 to R7.
- C. R7 will advertise 10.222/16 to R9 with itself as the next hop.
- D. R1 will advertise 10 222/16 to R2 with itself as the next hop.
- E. R1 will prepend AS10 when advertising 10.222/16 to R2.

**Answer:** ABD

### NEW QUESTION 6

Exhibit:

Referring to the exhibit, a Layer 3 VPN is configured, however, the routes are being hidden. What is the problem?

- A. A route distinguisher mismatch exists between the peers.
- B. A VRF target community mismatch exists between the peers.
- C. The BGP peer is not reachable through the IGP.
- D. An active MPLS tunnel does not exist between the peers.

**Answer:** D

#### NEW QUESTION 7

Exhibit.

You are troubleshooting a problem with a BGP peer where BGP routes are not being accepted from that peer Referring to the exhibit, which two statements are correct\*? (Choose two )

- A. Term 0 is missing a terminating action that allows BGP routes to be accepted
- B. You cannot have terminating actions outside of terms.
- C. The reject at the end of the policy is preventing the routes from being accepted.
- D. Term 0 is missing a route-fitter that specifies the allowed routes

**Answer:** BC

#### NEW QUESTION 8

Exhibit:

Referring to the exhibit, you want to make ISP1 your preferred connection for inbound and outbound traffic. Which two steps will accomplish this task? (Choose two.)

- A. Create an export policy to prepend the ASN on advertised routes and apply it to the EBGP peer on R1.
- B. Create an export policy setting local-preference 200 and next-hop self and apply it to the IBGP peers on R1.
- C. Create an export policy to prepend the ASN on advertised routes and apply it to the EBGP peer on R2.
- D. Create an export policy setting local-preference 200 and next-hop self and apply it to the IBGP peers on R2.

**Answer:** BC

#### NEW QUESTION 9

What information is stored in a VRF table for a BGP Layer 2 VPN? (Choose three.)

- A. remote interface of local CE device
- B. Layer 2 encapsulation
- C. logical interface provisioned to local CE device local site ID
- D. label-switched path

**Answer:** BCD

#### NEW QUESTION 10

Exhibit.

Referring to the exhibit, which two statements are correct for a route advertised by R1 towards R4? (Choose two )

- A. The BGP next hop is set to 192.168.2.2 by R2
- B. The BGP next hop is set to 14.1.1.1 by R2
- C. The AS path is set to null by R2
- D. The AS path is set to 150 by R2

**Answer:** B

#### NEW QUESTION 10

Exhibit:

Which three statements are true about the show pim join output shown in the exhibit? (Choose three.)

- A. This is a source-specific multicast stream
- B. The multicast receiver is still using the RP to receive the stream.
- C. The multicast stream does not have an RP.
- D. The multicast stream has been configured with a backup path to allow for fast reroute.
- E. The shortest path to the source is through the RP

**Answer:** BCD

#### NEW QUESTION 12

You are establishing a Layer 3 VPN between two PE devices. Currently you have a single internal IPv4 BGP peering between the PE devices. You must ensure that the IPv4 and IPv6 routes from both CE devices are exchanged between these sites. Which two statements are correct in this scenario? (Choose two.)

- A. You must establish an IPv6 BGP peering between the two PEs
- B. You must enable the inet-vpn NLR on both PE devices.
- C. You must enable the inet6-vpn NLRI on both PE devices.
- D. You must enable IPv6 tunneling on the LSPs between the PE devices

**Answer:** BC

#### NEW QUESTION 13

Exhibit:

Referring to the exhibit, you are asked to summarize all routes in the 10.10.0.0/22 address range ensuring that a single summary route is present in area 49.0002 while the IS-IS internal contributing routes are restricted to area 49.0001. All other routes must not be affected.

Which two operations would have to be performed on R2 to accomplish this task? (Choose two.)

- A. Create and apply a policy with a single term to accept only the summary route.
- B. Include the from level 1 match criteria when referencing the summary route.
- C. Include the to level 2 match criteria when referencing the summary route.
- D. Create and apply a policy with two terms; one to accept the summary route and one to reject the contributing routes.

**Answer:** CD

#### NEW QUESTION 17

Exhibit:

Referring to the exhibit, which two statements are true? (Choose two.)

- A. An AS loop will not exist between CE-1 and CE-2 and the BGP routes will be shared.
- B. The CE-1 and CE-2 routes will have the same route distinguisher, which will stop the BGP routes from being shared.
- C. An AS loop will exist between CE-1 and CE-2 and the BGP routes will not be shared.
- D. The CE-1 and CE-2 routes will have the same route distinguisher, which will not stop the BGP routes from being shared.

Answer: CD

#### NEW QUESTION 22

Which two statements about virtual links are correct? (Choose two.)

- A. Virtual links are used for control plane traffic.
- B. Virtual links are point-to-point.
- C. Virtual links are excluded from SPF calculations.
- D. Virtual links are bidirectional.

Answer: AB

#### NEW QUESTION 24

You are asked to configure a series of interface policers and firewall filters, which include policers, on the same device. You must ensure that the two configuration methods do not conflict.

What are two considerations when performing this task? (Choose two.)

- A. On inbound traffic, interface policers are applied before firewall filters.
- B. On inbound traffic, firewall filters are applied before interface policers.
- C. On outbound traffic, interface policers are applied before firewall filters.
- D. On outbound traffic, firewall filters are applied before interface policers.

Answer: AD

#### NEW QUESTION 29

Exhibit:

Your network connects two segments of your customer's network as shown in the exhibit. They need to exchange routes between Segment 1 and Segment 2 but both segments use the same AS number.

Which two steps will accomplish this task? (Choose two.)

- A. Configure the routing-options autonomous-system loops parameter on routers R1 and R4.
- B. Configure the routing-options autonomous-system loops parameter on routers R2 and R3.
- C. Configure the BGP group with the as-override parameter on routers R1 and R4.
- D. Configure the BGP group with the advertise-peer-as parameter on routers R2 and R3.

Answer: AD

#### NEW QUESTION 33

Exhibit:

R2 is receiving a route from an EBGP neighbor and is advertising the route to R4. Referring to the exhibit, which configuration on R2 will solve the issue with the route on R4?

- A. Move the nhs policy from a global BGP export policy to an export policy under group 65002.
- B. Move the no-advertise export policy from group 65001 to a global BGP policy.
- C. Move the no-export policy from a global BGP import policy to an import policy under group 65001.
- D. Move the no-advertise export policy from group 65002 to a global BGP policy.

Answer: A

#### NEW QUESTION 36

Exhibit:

A network administrator is concerned about the number of LSAs that they are observing on the network. What will reduce Type 7 LSAs advertised from R2 to the non-backbone routers shown in the exhibit?

- A. Configure no-summaries under protocols ospf3 on R2.
- B. Configure no-naaa-abr under protocols ospf3 on R2.
- C. Configure no-summaries under area 0.0.0.2 on R2.
- D. Configure nssa under area 0.0.0.2 on R2.

Answer: B

#### NEW QUESTION 38

Which two statements are true about what a route reflector does by default when distributing routes it has received from reflector clients? (Choose two.)

- A. It changes the default BGP attributes to inform peers that it is a route reflector.
- B. It adds its cluster ID to the client-received routes.
- C. It sets the next hop of all routes to "self" to prevent routing loops.
- D. It does not change any received BGP attributes.

Answer: BD

#### NEW QUESTION 43

Exhibit:

You have a Layer 3 VPN established between PE-1 and PE-2 as well as between PE-1 and PE-3. You are using a route reflector (RR-1) to distribute VPN routes to your IBGP peers. You are asked to ensure that only relevant routes are sent from RR-1 to each of the PE routers. Referring to the exhibit, which statement is correct?

- A. You should use VRF export policies on RR-1 to control which routes are sent to each PE router.
- B. You should use route target filtering on RR-1 and all the PE devices to control which routes are sent to each PE router.
- C. You should use firewall filtering on RR-1 and all the PE devices to control which routes are sent to each PE router.
- D. You should use route target filtering only on RR-1 to control which routes are sent to each PE router.

Answer: D

#### NEW QUESTION 44

Exhibit:

The route shown in the exhibit is an example of which type of next-generation MVPN route?

- A. Type 3 Selective MVPN autodiscovery route
- B. Type 1 Intra-AS inclusive MVPN membership discovery
- C. Type 2 Inter-AS inclusive MVPN membership discovery
- D. Type 4 Selective MVPN autodiscovery route for leaf

Answer: B

#### NEW QUESTION 46

Exhibit:

Referring to the exhibit, which three statements are correct? (Choose three.)

- A. This route contains the MAC address of an end host.
- B. The router with the IP address 10.101.100.3 is the originator of this route.
- C. This route is an EVPN Type-1 route.
- D. This ESI Auto-Discovery route is used for designated forwarder electio
- E. The ESI is 00:22:22:22:22:22:22:22:22:22.

Answer: BCE

#### NEW QUESTION 51

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