



## **JN0-360 Q&As**

# Juniper Networks Certified Internet Specialist (JNCIS-SP)

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**Vendor:** Juniper

**Exam Code:** JN0-360

**Exam Name:** Juniper Networks Certified Internet Specialist SP (JNCIS-SP)

**Q&As:** Demo

### QUESTION 1

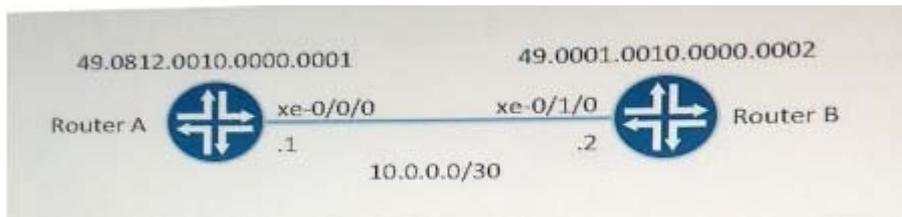
Which two formats are valid route distinguisher formats? (Choose two.)

- A. <MPLS label> : <VPN assigned number>
- B. <autonomous system number> : <VPN assigned number>
- C. <inbound interface index> : <VPN assigned number>
- D. <loopback IP address> : <VPN assigned number>

**Correct Answer:** BD

### QUESTION 2

Click the Exhibit button.



Referring to the exhibit, what is required to establish an IS-IS adjacency between these two routers?

- A. The interface connecting the two routers must be configured as a Level 2 interface.
- B. Both routers will require wide metrics to be enabled.
- C. The interface connecting the two routers must be configured as a Level 1 interface/
- D. Router A must be configured as the designated intermediate system (DIS).

**Correct Answer:** A

### QUESTION 3

On an MX Series device with dual Routing Engines, which two conditions cause a unified ISSU to fail? (Choose two.)

- A. Graceful restart is disabled.
- B. BFD is enabled.
- C. GRES is disabled.
- D. NSR is disabled.

**Correct Answer:** CD

### QUESTION 4

You are asked to deploy a large-scale IS-IS network with multiple areas.

Which two statements are true? (Choose two.)

- A. A collection of Level 1 routers in different areas constitute the backbone in the network.
- B. Level 2 routers can route between areas.
- C. Level 1 routers can route between areas.
- D. A collection of Level 2 routers in different areas constitute the back bone in the network.

**Correct Answer:** BD

### QUESTION 5

Which standards-based election protocol facilitates redundancy in a LAN environment by eliminating a single point of failure through the use of master and backup routers.

- A. VRRP
- B. BFD
- C. graceful restart
- D. ISSU

**Correct Answer:** A

**QUESTION 6**

Which high availability feature allows uninterrupted packet forwarding and temporary suppression of all routing protocol updates?

- A. Virtual Router Redundancy Protocol (VRRP)
- B. graceful Routing Engine switchover (GRES)
- C. graceful restart (GR)
- D. nonstop active routing (NSR)

**Correct Answer:** B

**QUESTION 7**

You are using RSVP in your network to signal MPLS LSPs. You are asked to ensure that the egress MPLS router receives the full label stack, containing both the hop-by-hop and VPN label.

- A. Use the set protocols mpls explicit-null command.
- B. Use the set protocols mpls expand-loose-hop command.
- C. Use the set protocols rsvp keep-multiplier command.
- D. Apply set protocols rsvp interface <:interface> no-aggregate to the egress interface.

**Correct Answer:** A

**QUESTION 8**

What are two ways to assign an IPv6 to an interface? (Choose two.)

- A. Use static addressing.
- B. Use neighbor discovery.
- C. Use an auto-configuration based on the interface MAC address.
- D. Use an IPv6 routing protocol.

**Correct Answer:** AC

**QUESTION 9**

What are two valid statements for virtual switches on MX Series devices? (Choose two.)

- A. Integrating routing and bridging (IRB) interfaces are supported.
- B. Layer 2 interfaces are supported.
- C. Interfaces are inherently loop free.
- D. Trunk interfaces are not supported.

**Correct Answer:** AB

**QUESTION 10**

Click the Exhibit button.

```
[edit routing-options]
user@host# show
rib-groups {
  test {
    import-rib [ inet.0 user-a.inet.0 ];
  }
}
```

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

- A. The routes in inet.0 are imported into user-a.inet.0
- B. The RIB group can be applied to OSPF.
- C. The RIB group cannot be applied to OSPF.
- D. The routes in user-a.inet.0 are imported into inet.0

**Correct Answer: BD**

#### QUESTION 11

Click the Exhibit button.

```
[edit]
user@host# show routing-options
static {
  route 172.29.0.0/24 {
    next-hop 172.15.27.1;
    no-readvertise;
  }
  route 172.28.0.0/24 next-hop 172.15.27.1;
  route 172.29.0.0/16 next-hop 172.15.27.1;
  route 172.29.0.0/17 next-hop 172.15.27.1;
  route 172.29.0.0/8 next-hop 172.15.27.1;
}

[edit]
user@host# show policy-options
policy-statement export-static-to-ospf {
  term match-key-static-routes {
    from {
      protocol static;
      route-filter 172.29.0.0/16 longer;
    }
    then accept;
  }
}
```

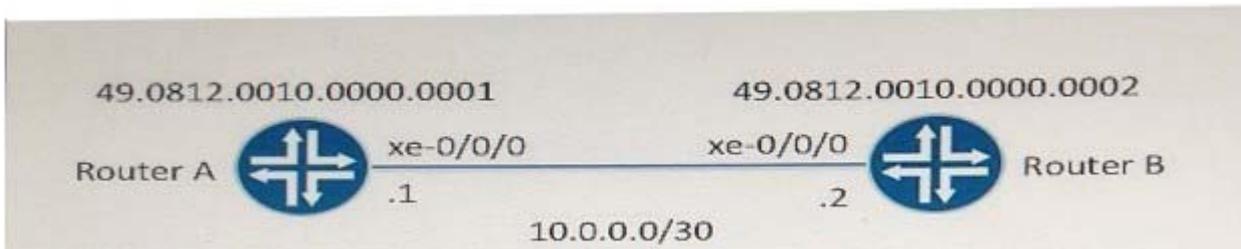
Referring to the exhibit, which static route will be exported into OSPF?

- A. 172.29.0.0/16
- B. 172.29.0.0/17
- C. 172.28.0.0/24
- D. 172.29.0.0/24

**Correct Answer: D**

**QUESTION 12**

Click the Exhibit button.



In the exhibit, which configuration is required to establish a single adjacency between the two IS-IS routers?

- A. set protocols isis interface xe-0/0/0.0 point to point
- B. set protocols isis level 2 wide-metrics-only
- C. set protocols isis interface xe-0/0/0.0 level 1 disable
- D. set protocols isis interface xe-0/0/0.0 level 1 priority 0

**Correct Answer: A**

**QUESTION 13**

In an IS-IS network, Router A is the current DIS with a priority of 64. Router B comes online with a priority of 100.

In this scenario, which statement is correct?

- A. Router A remains as the DIS.
- B. Router A remains the DIS and Router B becomes the backup DIS.
- C. Router B becomes the DIS.
- D. Router B becomes the DIS and router A becomes the backup DIS.

**Correct Answer: C**

**QUESTION 14**

What is the role of the route distinguisher (RD) in a Layer 3 VPN?

- A. The RD controls the allocation of MPLS labels within a VRF.
- B. The RD allows different VRFs to contain the same IP prefixes.
- C. The RD is used to create unique routing processes within the global routing instance.
- D. The RD is used to control the import and export of routes within a VRF.

**Correct Answer: B**

**QUESTION 15**

Click the Exhibit button.

```
user@host> show isis interface
IS-IS interface database:
Interface          L CirID Level 1 DR          Level 2 DR          L1/L2 Metric
ge-0/0/1.0         3   0x2 r2.00                    r2.02                10/10

user@host> show configuration interfaces ge-0/0/2
unit 0 {
    family inet {
        address 10.1.25.2/24;
    }
}

user@host> show configuration protocols isis
interface ge-0/0/1.0;
interface ge-0/0/2.0;
```

An ISO NET has been configured on R2's lo0.0 interface and ge-0/0/2.0 has been configured to run IS-IS. However, IS-IS adjacency on ge-0/0/2.0 is not coming up. Referring to the exhibit, what is required to enable IS-IS?

- A. Configure the family iso parameter under the ge-0/0/2.0 interface.
- B. Disable Level 2 for interface ge-0/0/2.0
- C. Add the lo0.0 interface under the [edit protocols isis] hierarchy.
- D. Configure the interface priority for ge-0/0/2.0.

**Correct Answer:** A

#### QUESTION 16

You are asked to deploy a large-scale IS-IS network with multiple areas.

In this scenario, which statement is true?

- A. A router configured for Level 1 only informs all Level 2 routers in the area of external reachability.
- B. A router configured for Level 1 and Level 2 informs all Level 2 routers in the area of external reachability.
- C. A router configured for Level 2 only informs all level 1 routers in the area of external reachability.
- D. A router configured for Level 1 and Level 2 informs all Level 1 routers in the area of external reachability.

**Correct Answer:** D

#### QUESTION 17

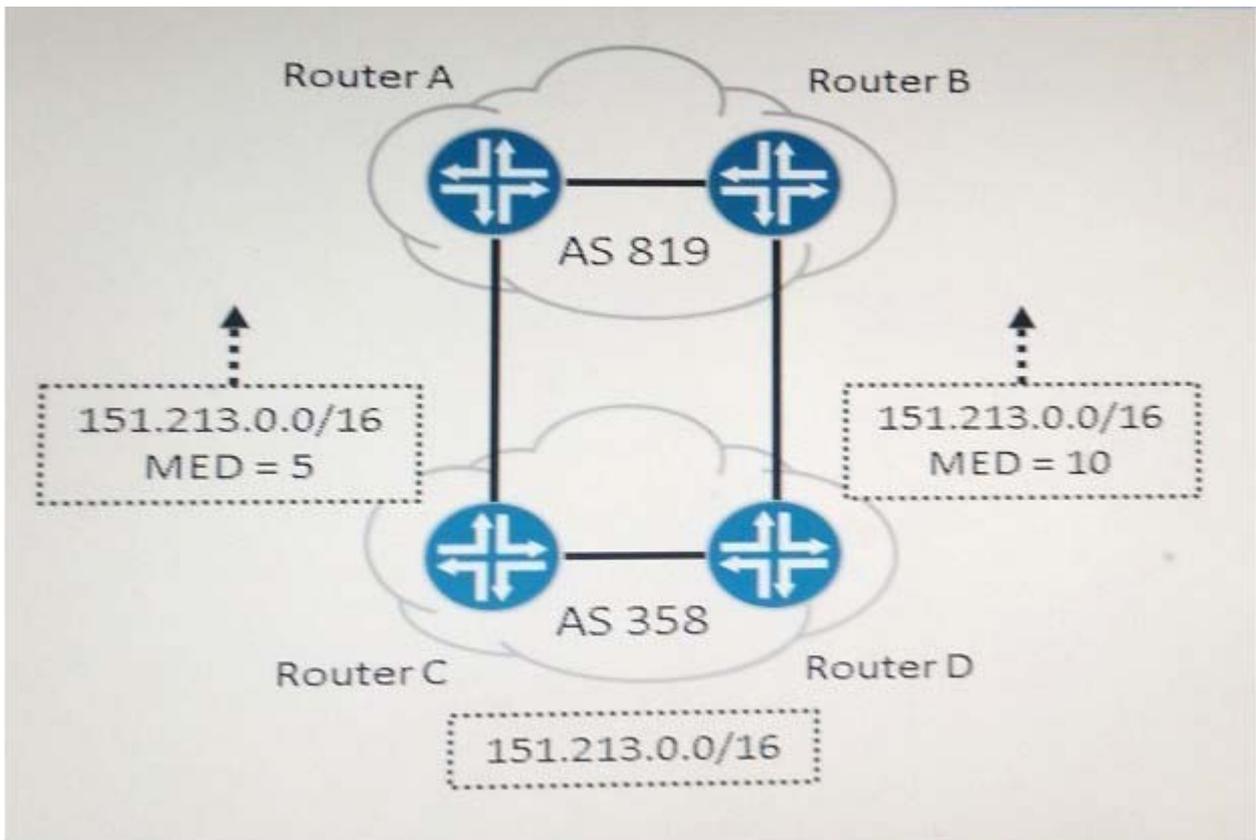
In a Junos device functioning as an MPLS transit router, which routing table is used when performing a forwarding lookup for an incoming packet?

- A. mpls.3
- B. inet.0
- C. inet.3
- D. mpls.0

**Correct Answer:** C

#### QUESTION 18

Click the Exhibit button.



Referring to the exhibit, MED is being used in your BGP network. All other BGP configurations use the default settings.

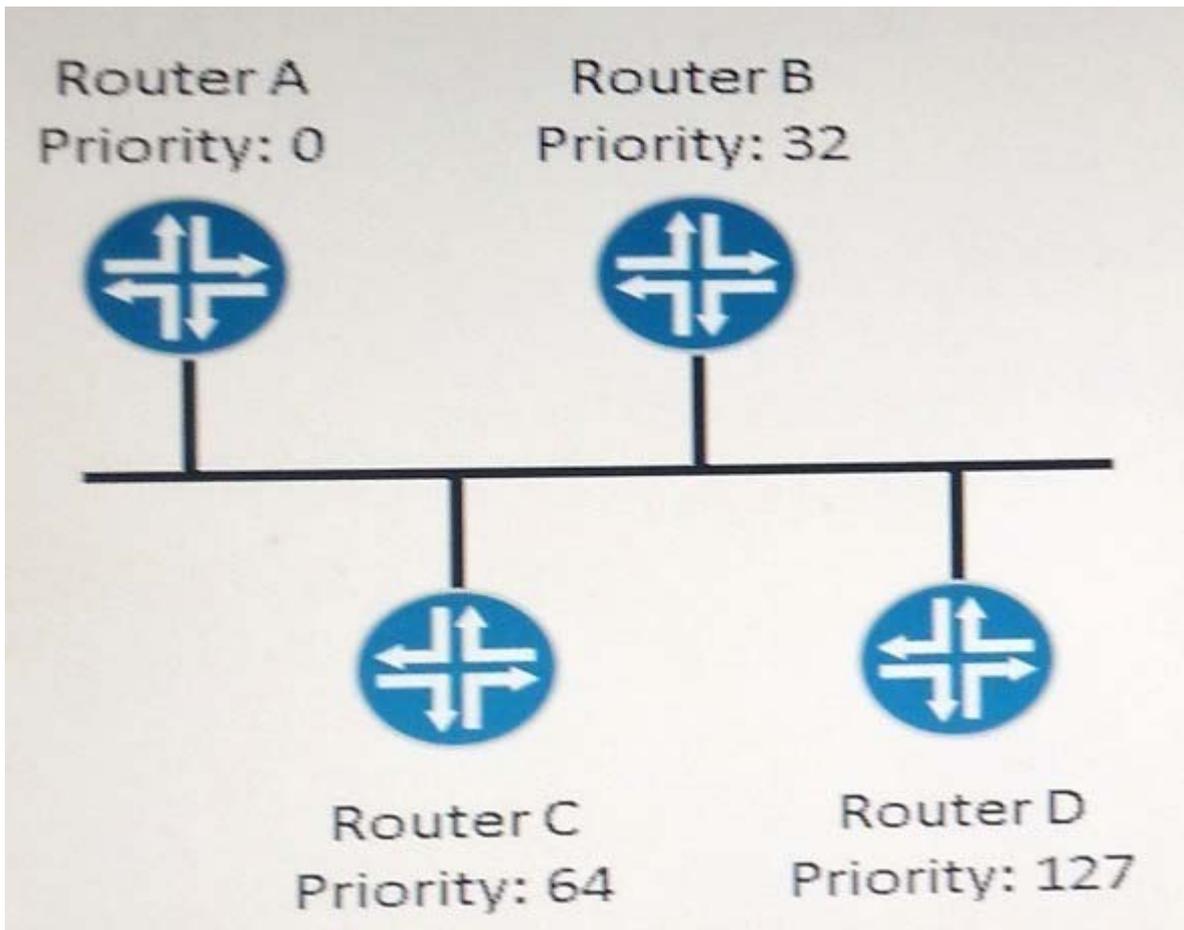
Which statement is correct regarding traffic destined to the 151.213.0.0/16 prefix in AS 358?

- A. A traffic black hole will be created at Router A and Router B.
- B. Traffic will load-balance across both the A-to-C and B-to-D paths.
- C. Traffic will prefer the A-to-C path.
- D. Traffic will prefer the B-to-D path.

**Correct Answer: C**

**QUESTION 19**

Click the Exhibit button.



Referring to the exhibit, four IS-IS routers have been deployed on a multi-access Ethernet segment. Router C came online first.

After all routers are online, which two statements are true? (Choose two.)

- A. Adjacencies are only formed with designated intermediate system (DIS).
- B. Router D is the designated intermediate system (DIS).
- C. Adjacencies are formed between all four routers.
- D. Router C is the designated intermediate system (DIS).

**Correct Answer:** BC

**QUESTION 20**

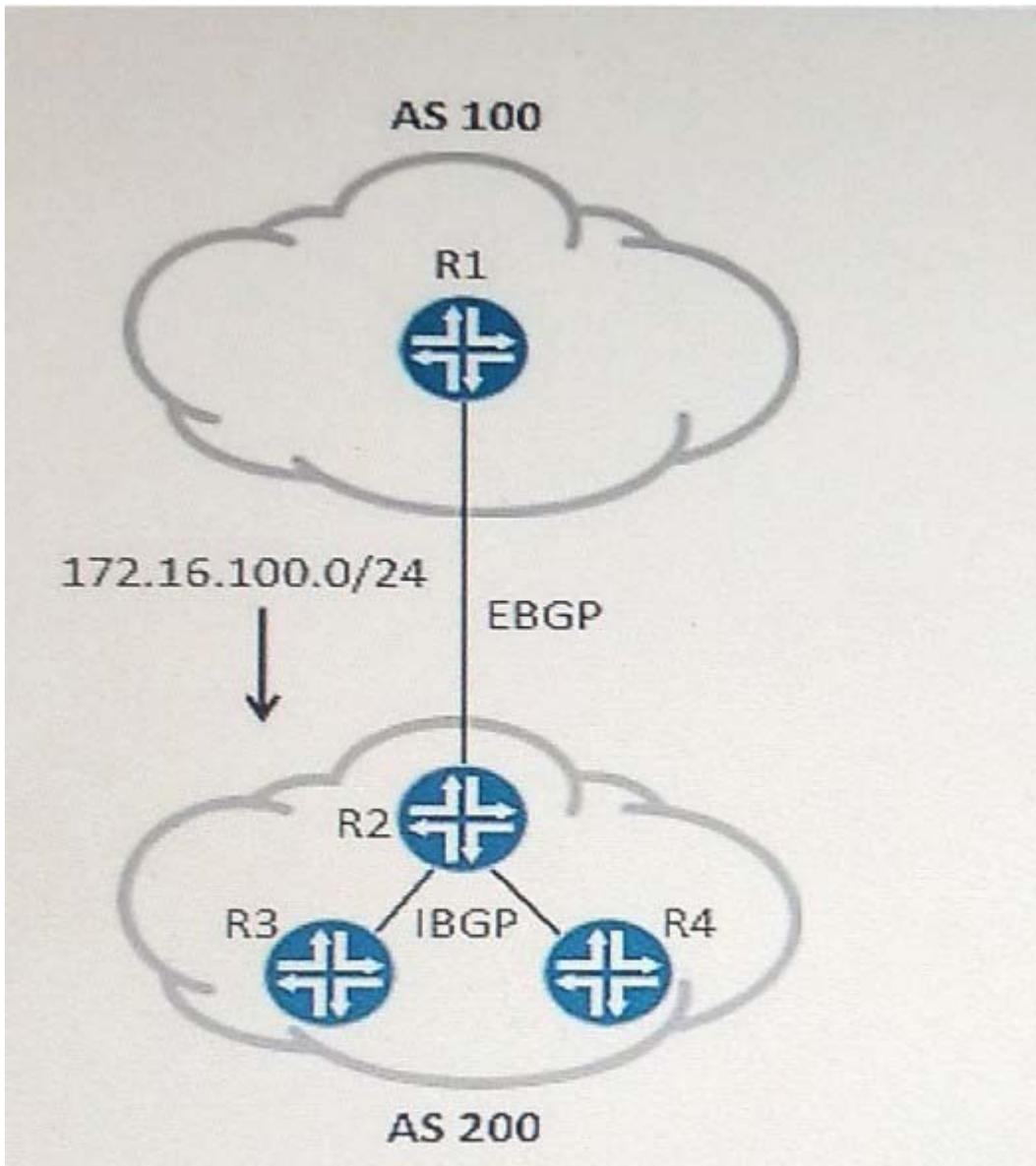
For two switches to participate in the same Multiple Spanning Tree Protocol (MSTP) region, which three values must match? (Choose three.)

- A. extended system ID
- B. region name
- C. member VLAN ID list
- D. root bridge ID
- E. revision number

**Correct Answer:** ACE

**QUESTION 21**

Click the Exhibit button.



In the exhibit, R1 is sending the 172.16.100.0/24 route to R2 through EBGP. R2 has IBGP sessions to R3 and R4, but they are not installing the route. All BGP sessions are established.

Which two actions would enable R3 and R4 to install the route from R2? (Choose 2.)

- A. Advertise the R1-R2 link into the IGP.
- B. Configure the cluster-id parameter under the R2 IBGP group.
- C. Configure a BGP export policy with a next-hop self action on R2.
- D. Configure an IGP export policy with a next-hop self action on R2.

**Correct Answer:** AC

#### QUESTION 22

What is the correct format for an IPv4 address mapped into IPv6?

- A. ::192:168:0:1
- B. ::FFFF:192.168.0.1
- C. ::FFFE:192:168:0:1
- D. ::192.168.0.1:FFFF

**Correct Answer:** B

**QUESTION 23**

You are deploying IS-IS in your network to enable the routing of only IPv6. Assume that the loopback interface has been properly configured.

What is the minimum required configuration to enable only IPv6 routing in IS-IS?

- A. 

```
user@host# show protocols isis
rib-group inet6;
interface ge-0/0/0.0;
interface lo0.0 {
passive;
}
user@host# show interfaces ge-0/0/0
unit 0 {
family inet6 address fd85:5944:1aee:026::1/64;
}
```
- B. 

```
user@host# show protocols isis
interface ge-0/0/0.0;
interface lo0.0 {
passive;
}
user@host# show interfaces ge-0/0/0
unit 0 {
family iso;
family inet6 address fd85:5944:1aee:026::1/64;
}
```
- C. 

```
user@host# show protocols isis
no-ipv4-routing;
interface ge-0/0/0.0
interface lo0.0 {
passive;
}
user@host# show interfaces ge-0/0/0
unit 0 {
family iso;
family inet6 address fd85:5944:1aee:026::1/64;
}
```
- D. 

```
user@host# show protocols isis
no-ipv4-routing;
interface ge-0/0/0.0;
interface lo0.0 {
passive;
}
user@host# show interfaces ge-0/0/0
unit 0 {
family iso;
family inet6;
}
```
- E. 

```
user@host# show protocols isis
traffic-engineering {
family inet6 {
shortcuts;
}
}
interface ge-0/0/0.0;
interface lo0.0 {
passive;
}
user@host# show interfaces ge-0/0/0
unit 0 {
family inet6 address fd85:5944:1aee:026::1/64;
```

```
family iso;  
}
```

**Correct Answer:** C

**QUESTION 24**

Your customer requests that you provide a transparent Layer 2 service between two of their remote locations. This service must allow the customer to pass tagged traffic from multiple VLANs. You decide to use Q-in-Q tunneling on the two provider edge MX Series routers that connect to the customer's CE devices.

Which two statements are true? (Choose two.)

- A. As traffic leaves the Q-in-Q tunnel, the S-VLAN tag will be removed from the frames.
- B. As traffic enters the Q-in-Q tunnel, an S-VLAN tag will be added to the frames.
- C. As traffic enters the Q-in-Q tunnel, a C-VLAN tag will be added to the frames.
- D. As traffic leaves the Q-in-Q tunnel, the C-VLAN tag will be removed from the frames.

**Correct Answer:** AB

**QUESTION 25**

What are three IS-IS PDU types? (Choose three.)

- A. type length value
- B. link-state
- C. partial sequence number
- D. database description
- E. complete sequence number

**Correct Answer:** BCE

**QUESTION 26**

Which OSPF LSA type is sent from the ABR to describe an ASBR that is in an area to which it is connected?

- A. Type 7
- B. Type 5
- C. Type 4
- D. Type 3

**Correct Answer:** C

**QUESTION 27**

What are two functions of an OSPF BDR? (Choose two.)

- A. The BDR advertises link-state information with all other OSPF routers on the segment.
- B. The BDR forms an adjacency with all other OSPF routers on the segment.
- C. The BDR is ready to assume the role of the DR device if it fails.
- D. The BDR functions can be distributed to the DR device on the segment.

**Correct Answer:** BC

**QUESTION 28**

Which OSPF adjacency state is reached when a hello packet has been sent, but bidirectional communication has not been established?

- A. Down
- B. Init

- C. 2-way
- D. ExStart

**Correct Answer:** B

**QUESTION 29**

What is a reason for an OSPF router to display a designated router ID of 0.0.0.0?

- A. The MTU is mismatched.
- B. The subnet mask is mismatched.
- C. The interface type is point-to-point.
- D. The interface type is broadcast.

**Correct Answer:** C

**QUESTION 30**

Which two OSPF areas allow external routes? (Choose two.)

- A. backbone area
- B. not-so-stubby area
- C. stub area
- D. totally stubby area

**Correct Answer:** AB

**QUESTION 31**

Which LSA packet types are originated only by an OSPF ABR router?

- A. Type 2 and Type 3
- B. Type 3 and Type 4
- C. Type 5 and Type 6
- D. Type 6 and Type 7

**Correct Answer:** B

**QUESTION 32**

In an OSPF environment, which two configuration parameters are used to determine which router is the DR? (Choose two.)

- A. the router with the highest priority
- B. the router with the lowest priority
- C. the router with the highest RID
- D. the router with the lowest RID

**Correct Answer:** AC

**QUESTION 33**

You have entered the show ospf route command and see routes with a metric type of EXT2.

What does this indicate?

- A. These routes are OSPF interarea routes.
- B. These routes have been redistributed into OSPF and are using a Type 2 metric.
- C. These routes are preferred over the same routes with an EXT1 metric.
- D. These routes are OSPF intra-area routes.

**Correct Answer:** B

**QUESTION 34**

You want to verify the frequency and type of SPF calculations on your Junos device.

Which command displays this information?

- A. show ospf database | match log
- B. show spf log
- C. show ospf log
- D. show ospf statistics

**Correct Answer: C**

**QUESTION 35**

You are troubleshooting an OSPF adjacency that is stuck in the ExStart state.

What would be the correct step to resolve the problem?

- A. Look for a mismatched IP subnet or mask.
- B. Determine whether the neighbor is a DR-Other.
- C. Determine whether the hello and dead intervals are the same on both sides.
- D. Review the MTU settings to ensure that they match.

**Correct Answer: D**

**QUESTION 36**

You are asked to redistribute routes into OSPF.

Which action accomplishes this task?

- A. Create a redistribution policy and apply it as an export policy under the [edit protocols ospf area] hierarchy.
- B. Create a redistribution policy and apply it as an import policy in the [edit protocols ospf] hierarchy.
- C. Create a redistribution policy and apply it as an import or an export policy in the [edit protocols ospf] hierarchy.
- D. Create a redistribution policy and apply it as an export policy in the [edit protocols ospf] hierarchy.

**Correct Answer: D**

**QUESTION 37**

You are configuring OSPF on a Junos device; however, you have not configured a router ID.

What is the default behavior in this situation?

- A. If the loopback is configured with a 127/8 address, it will be used.
- B. If the loopback is not configured, it will use the interface with the highest IP address.
- C. If the loopback is configured and does not have a usable address, the IP address associated with the first hardware interface is used.
- D. If you configure a dedicated management address and include that interface in OSPF, it will be used as the router ID.

**Correct Answer: C**

**QUESTION 38**

Which two statements correctly describe IS-IS adjacencies? (Choose two.)

- A. Level 1 adjacencies can form in the same (intra) area only.
- B. Level 2 adjacencies are formed between (inter) areas only.
- C. Level 2 adjacencies can be established either interarea or intra-area.

D. Level 2 adjacencies can form within the same (intra) area only.

**Correct Answer:** AC

**QUESTION 39**

Which IS-IS PDU is used to request a retransmission of a missing link-state packet?

- A. the complete sequence number PDU
- B. the partial sequence number PDU
- C. a hello PDU with a request PDU TLV specifying the missing LSP
- D. a hello PDU with a refresh PDU TLV requesting all LSPs

**Correct Answer:** B

**QUESTION 40**

Which statement is true regarding the IS-IS designated intermediate system (DIS)?

- A. The DIS function is used only on broadcast or multi-access networks.
- B. The DIS function is used on both broadcast and point-to-point link types.
- C. On a broadcast network, adjacencies are formed only between the non-DIS nodes and the DIS to help reduce adjacency overhead.
- D. IS-IS supports a backup DIS mechanism to provide rapid failover in the event of a DIS failure.

**Correct Answer:** A

**QUESTION 41**

You want to establish an IS-IS Level 1 adjacency between two routers. The adjacency is not forming.

Which three reasons would account for this issue? (Choose three.)

- A. A lack of or a malformed ISO network entity title (NET) on the loopback interface would cause this issue.
- B. The interface MTU might be less than 1492.
- C. The IS-IS protocol on the loopback interface has not been enabled.
- D. The area IDs might be matched and should be set differently.
- E. An ISO NET might not be configured on the physical interface.

**Correct Answer:** ABC

**QUESTION 42**

Which three statements are true regarding the IS-IS link-state database (LSDB)? (Choose three.)

- A. An L1 router has a single database reflecting the connectivity of its area.
- B. An L1 router often relies on a default route generated by attached routers to reach interarea destinations.
- C. The Level 2 database contains only backbone area routes unless route leaking is configured.
- D. Route leaking can be used to optimize Level 2 to Level 1 routing.
- E. An attached router has at least two LSDBs: one for each Level 1 area and a single LSDB for the Level 2 backbone.

**Correct Answer:** ABE

**QUESTION 43**

Which PDU type is sent by an IS-IS router when it detects that its link-state database is out of date?

- A. hello
- B. link state
- C. complete sequence number

D. partial sequence number

**Correct Answer:** D

**QUESTION 44**

What are two similarities between OSPF and IS-IS? (Choose two.)

- A. Both use hello packets to form and maintain adjacencies.
- B. Both use the Dijkstra algorithm to construct a shortest-path tree.
- C. Both elect a designated router and a backup designated router.
- D. Both have a built-in mechanism to provide address summarization between areas.

**Correct Answer:** AB

**QUESTION 45**

Which three statements correctly describe IBGP and EBGP interaction? (Choose three.)

- A. IBGP is used within an AS, whereas EBGP is used between two different ASs.
- B. EBGP peering is normally loopback-based to provide tolerance for interface or link failures.
- C. By default, EBGP updates the next-hop attribute, whereas IBGP does not.
- D. IBGP speakers can re-advertise IBGP-learned or EBGP-learned routes to other IBGP speakers.
- E. EBGP speakers can re-advertise IBGP-learned or EBGP-learned routes to other EBGP speakers.

**Correct Answer:** ACE

**QUESTION 46**

Which two statements correctly describe how the AS path attribute is used by BGP? (Choose two.)

- A. The AS path attribute is updated whenever an EBGP-learned route is re-advertised using IBGP.
- B. The AS path attribute is updated in EBGP advertisements only and is the primary loop- avoidance mechanism for BGP.
- C. When local preference is the same, the AS path attribute is a common tiebreaker, where paths with fewer AS hops are preferred.
- D. When local preference is the same, the AS path attribute is a common tiebreaker, where paths with more AS hops are preferred.

**Correct Answer:** BC

**QUESTION 47**

Which statement describes the role of local preference in the BGP route selection process?

- A. Local preference is evaluated early in the BGP route selection process and results in the route with the highest numerical local preference being selected.
- B. Local preference is evaluated early in the BGP route selection process and results in the route with the lowest numerical local preference being selected.
- C. Local preference is used to break ties when all other received BGP attributes are otherwise equal.
- D. Local preference is sent by an EBGP speaker to a neighboring AS in an attempt to influence how the remote peer's traffic will ingress into your network.

**Correct Answer:** A

**QUESTION 48**

Which three BGP attributes are used for loop prevention? (Choose three.)

- A. AS path
- B. originator ID
- C. next hop
- D. cluster list

E. origin

**Correct Answer:** ABD

**QUESTION 49**

You are attempting to influence return traffic into your autonomous system by preferring one router as an entry point.

Which two BGP attributes will affect this behavior? (Choose two.)

- A. originator ID
- B. local preference
- C. AS path
- D. MED

**Correct Answer:** CD

**QUESTION 50**

Which three BGP attributes must be sent to EBGP peers? (Choose three.)

- A. local preference
- B. atomic aggregator
- C. origin
- D. next hop
- E. AS path

**Correct Answer:** CDE

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