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Nokia Border Gateway Protocol Fundamentals for Services

Nokia 4A0-114

Version Demo

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QUESTION NO: 1

A TCP connection fails to be established with a BGP peer. Which of the following are valid options for the BGP connection state?

- A. Idle or Connect
- B. Idle or Active
- C. Connect or Active
- D. Connect or Open Sent

ANSWER: C**QUESTION NO: 2**

A BGP session is stuck in the "Connect" state. Which of the following is the most likely reason?

- A. The remote BGP peer is properly configured but the local router is not.
- B. The local router is properly configured but the remote BGP peer is not.
- C. The BGP protocol is administratively disabled on the local router.
- D. The BGP protocol is administratively disabled on the remote BGP peer.

ANSWER: B**QUESTION NO: 3**

On the Nokia 7750 SR, which of the following is NOT an address family that BGP supports?

- A. IPv4
- B. VPN-IPv4
- C. Label-IPv4
- D. MP-EVPN

ANSWER: C**QUESTION NO: 4**

In the diagram below, an end-to-end transport tunnel needs to be established between PE1 and PE2 using MP-BGP. Which of the following items is NOT required?



- A. MP-BGP address families label-ipv4 or label-ipv6 need to be supported on each of the edge routers.
- B. Either RSVP, LDP, or segment routing tunnels need to be established between regions.
- C. Either RSVP, LDP, or segment routing tunnels need to be established within each region.
- D. Each PE router needs to advertise an IP address as a labeled BGP route to identify the tunnel endpoint.

ANSWER: D

QUESTION NO: 5

An export policy is applied on a router to advertise a prefix to its eBGP peers. By default, which of the following updates are made to the route attributes?

- A. LOCAL_PREFERENCE is set to 100.
- B. NEXT_HOP is set to the neighbor router's interface IP address.
- C. The local AS number is added to AS_PATH.
- D. COMMUNITY is set to the local AS number.

ANSWER: C

QUESTION NO: 6

Which of the following statements regarding BGP shortcuts is FALSE?

- A. MPLS tunnels are used to carry transit traffic across the network.
- B. A full mesh of iBGP peering sessions is not required,
- C. Edge and transit routers need to be configured with BGP.
- D. The transit routers need to support LDP or RSVP-TE LSPs.

ANSWER: C

QUESTION NO: 7

What type of information does a type-2 EVPN route update carry?

- A. It carries an IP prefix and its associated mask.
- B. It carries an IP address and requests the MAC address of the corresponding host.
- C. It carries a host MAC address and optionally the associated IP address that belongs to the same host.
- D. It carries a host MAC address and optionally the IP prefix of the subnet where the host is located.

ANSWER: C

QUESTION NO: 8

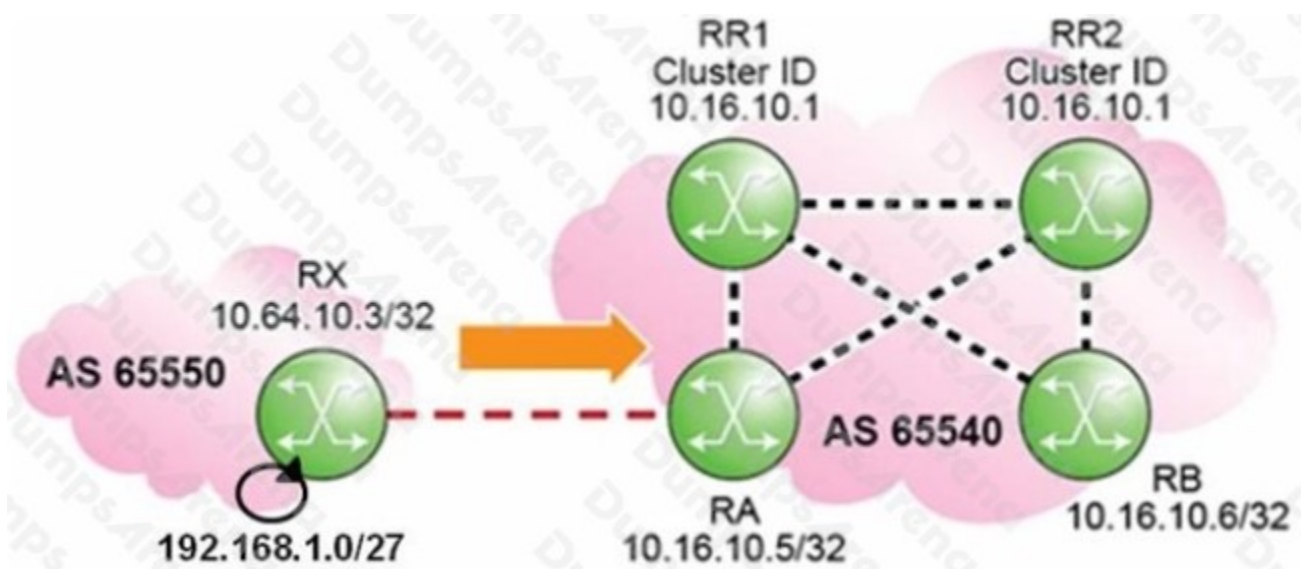
Which of the following statements about IPv6 Link-Local addresses is FALSE?

- A. They are assigned to every physical interface running IPv6.
- B. They are only valid for communication within the same broadcast domain.
- C. They all have the same 64-bit subnet prefix.
- D. They have an interface ID derived by default from the interface's IPv4 address.

ANSWER: D

QUESTION NO: 9

Click the exhibit.



Routers RR1 and RR2 are route reflectors with the same Cluster-ID. How does router RA treat the updates for prefix 192.168.1.0/27 received from routers RR1 and RR2?

- A. Router RA prefers the update received from router RR1.
- B. Router RA prefers the update received from router RR2.
- C. Router RA flags both updates as invalid.
- D. Router RA accepts both updates and flags them as used.

ANSWER: C

QUESTION NO: 10

Which BGP message type is used to verify connectivity during and after BGP session establishment?

- A. Hello
- B. Update
- C. Open
- D. Keep-Alive

ANSWER: D