300-510^{Q&As}

Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)

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QUESTION 1

An engineer with an employee ID: 4535:15:507 must implement PIM-SSM in the network to support a new multicast messaging service. All the routers in the network run a distance vector routing protocol. Unicast routing is established on the network and is working normally. What must the engineer enable to continue the implementation process?

A. IGMPv3 on all interfaces that participate in multicast

B. PIM RP feature on the network

C. PIM dense mode on all devices on the network

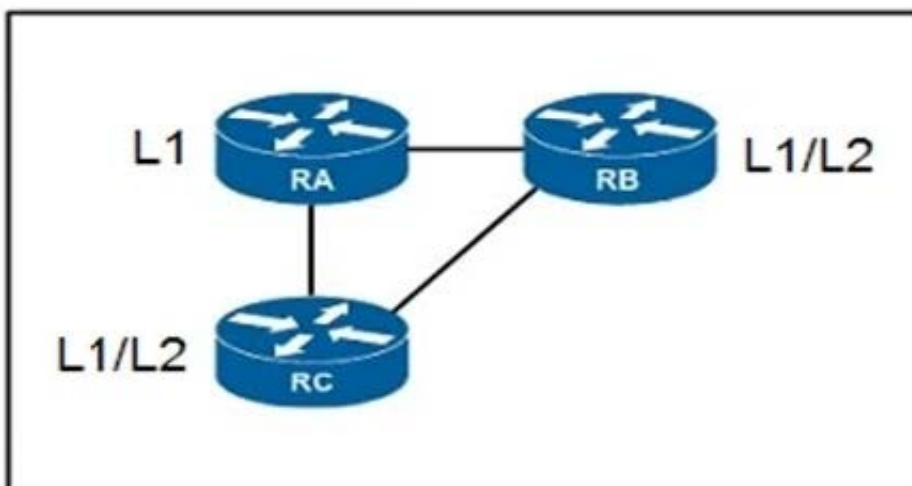D. PIM dense mode and IGMPv2 on all interfaces that participate in multicast

Correct Answer: A

QUESTION 2

For which reason can two BGP peers fail to establish a neighbor relationship?

A. Their BGP send-community strings are misconfigured

B. Their BGP timers are mismatched

C. Their remote-as numbers are misconfigured

D. They are both activated under an IPv4 address family

Correct Answer: C

QUESTION 3

Refer to the exhibit. Routers RA and RB are IS-IS peers configured for NSF, but router RC is an IS-IS peer without NSF capability. If RA undergoes processor switchover, what is the effect on the network environment?

A. If RC is operating without the Cisco configuration option, only 2 routers tear down their peering relationships and re-establish peering

B. All peer relationships remain up, but the link-state database is rebuild on each device

C. If RC is operating without the Cisco configuration option, all three routers tear down their peering relationships and re-establish peering

D. All peer relationships remain up and the link-state database is unchanged

Correct Answer: B

QUESTION 4

DRAG DROP

Compare different features between OSPFv2 and OSPFv3. Drag and drop the descriptions of OSPF from the left onto the correct OSPF versions on the right.

Select and Place:

introduced IPv6 support

introduced MD5 authentication

process network information on a per-link basis

processes network information on
a per-subnet basis

uses a locally-significant instance ID

OSPFv3

OSPFv2

Correct Answer:

OSPFv3   4 / 4

- introduced IPv6 support
- process network information on a per-link basis
- uses a locally-significant instance ID

OSPFv2

- introduced MD5 authentication
- processes network information on a per-subnet basis

QUESTION 5

Which difference should be considered when intradomain or interdomain multicast routing is implemented?

A. Interdomain multicast routing relies on PIM-DM, and intradomain multicast routing relies on PIM-SM

B. Interdomain multicast routing uses BIDR-PIM to establish neighbor relationships between AS, and intradomain multicast routing uses MSDP

C. A network uses intradomain multicast routing without interdomain routing, but networks that use interdomain multicast routing must also apply intradomain routing

D. Interdomain multicast routing requires an IS-IS or OSPF neighbor relationship between the domains, but intradomain multicast routing requires only BGP

Correct Answer: C

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