

300-510^{Q&As}

Implementing Cisco Service Provider Advanced Routing Solutions
(SPRI)

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QUESTION 1

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

QUESTION 2

DRAG DROP

Drag and drop the features from the left into the order of operations for SRv6 SRH field creation and forwarding on the right.

Select and Place:

Answer Area

segments left
last entry
packet is forwarded
next header
routing type
segment list

first
second
third
fourth
fifth
sixth

Correct Answer:

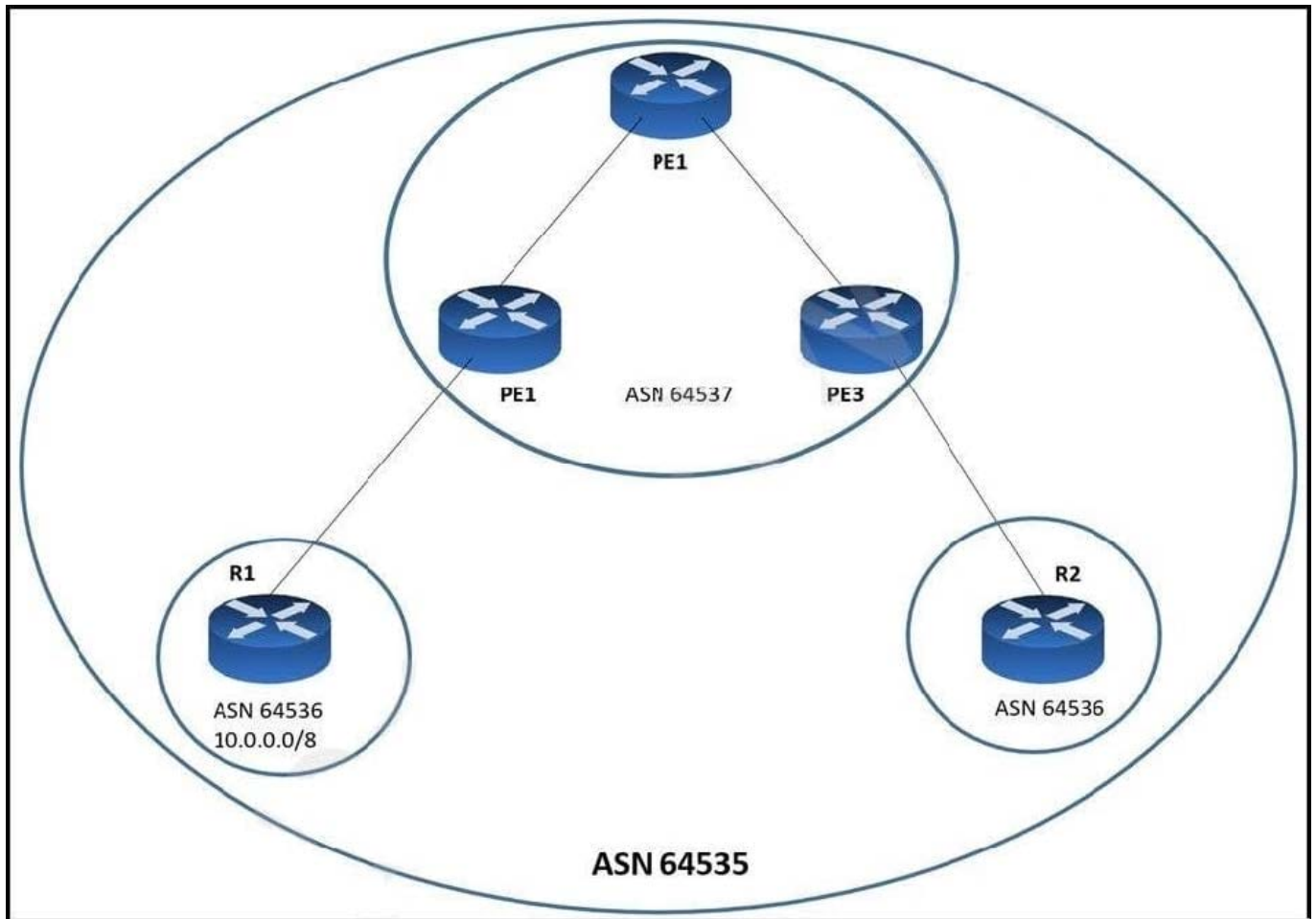
Answer Area

- next header
- routing type
- segments left
- last entry
- segment list
- packet is forwarded

First - next header Second - routing type Third - segments left Fourth - last entry Fifth - segment list sixth - packet is forwarded

QUESTION 3

Refer to the exhibit.



A network engineer has divided AS into confederations. Due to repeated ASN, when the 10.0.0.0/8 prefix from R1 arrives to R2, BGP automatically rejects it. What should the engineer do to fix the problem so that BGP allows that prefix on R2?

- A. Configure the command as-override on R1.
- B. Configure the command allowas-in on R2.
- C. Configure the command allowas-in on all the PE routers.
- D. Configure the command as-override on R2.

Correct Answer: B

Reference: <https://www.cisco.com/c/en/us/support/docs/ip/border-gateway-protocol-bgp/112236-allowas-in-bgp-config-example.html>

QUESTION 4

In a PIM-SM environment, which mechanism determines the traffic that a receiver receives?

- A. The receiver explicitly requests its desired traffic from the RP on the shared tree.
- B. The receiver explicitly requests traffic from a single source, which responds by forwarding all traffic.

- C. The RP on the shared tree floods traffic out of all PIM configured interfaces.
- D. The receiver explicitly requests traffic from each desired source, which responds by sending all traffic.

Correct Answer: A

A shared tree is built first between receiver and the RP. The receiver is then able to switch to a Source tree as needed.

QUESTION 5

Assume that the R1 router is enabled for PIM-SM and receives a multicast packet sourced from 172.16.1.100, and the R1 router has multicast receivers on the Gi0/1, Gi0/2, Gi0/3 and Gi0/4 interfaces.

```
R1 routing table:
172.16.1.0/24 via Gi0/1
172.16.2.0/24 via Gi0/2
172.16.3.0/24 via Gi0/3
0.0.0.0/0 via Gi0/4
```

The multicast packet from the 172.16.1.100 source must arrive on which interface on the R1 router for it to be forwarded out the other interfaces?

- A. Gi0/1
- B. Gi0/2
- C. Gi0/3
- D. Gi0/4
- E. Gi0/1 or Gi0/2 or Gi0/3 or Gi0/4
- F. Gi0/2 or Gi0/3
- G. Gi0/1 or Gi0/4

Correct Answer: A

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