



# JN0-663<sup>Q&As</sup>

Service Provider Routing and Switching, Professional (JNCIP-SP)

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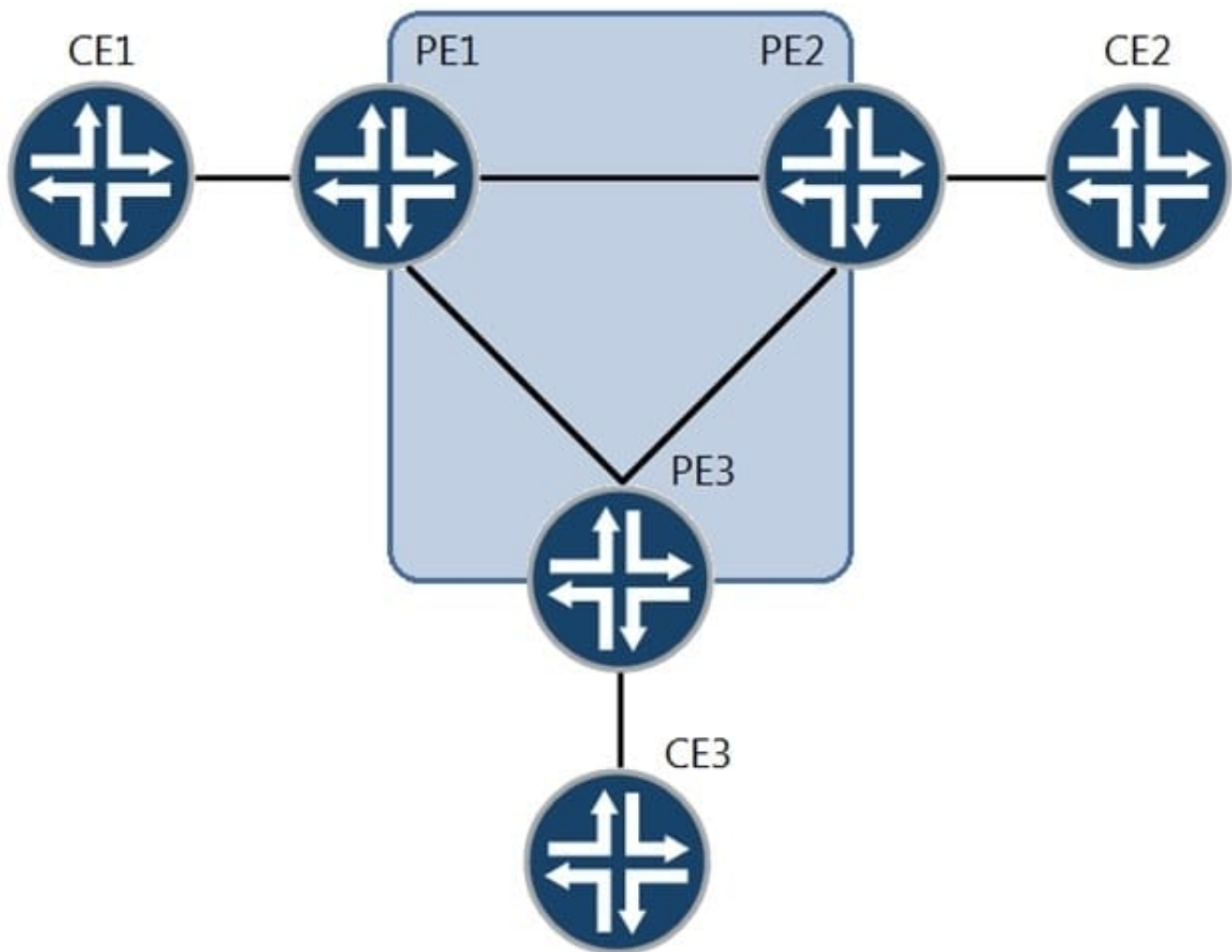
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### QUESTION 1



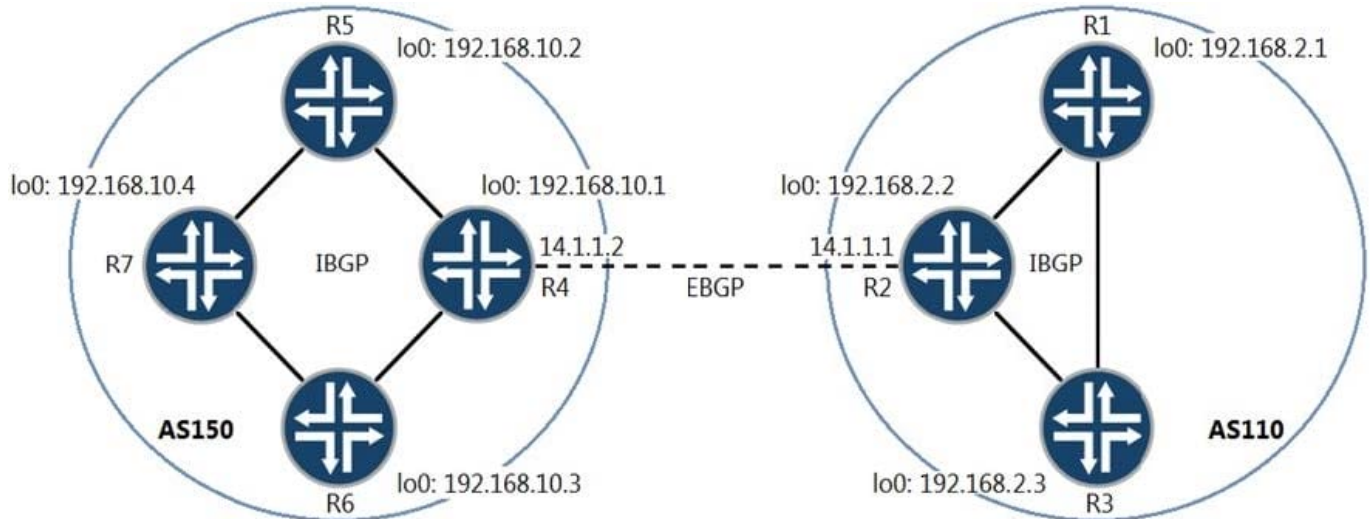
You are provisioning Layer 2 circuits between sites CE1, CE2, and CE3.

Referring to the exhibit, which statement is true?

- A. A point-to-multipoint LSP must be created between sites.
- B. Each site must have only one VLAN configured to the PE.
- C. Site PE1 must have a point-to-multipoint link configured towards the core.
- D. Two VLANs must be configured from PE 1 to CE 1.

Correct Answer: D

### QUESTION 2

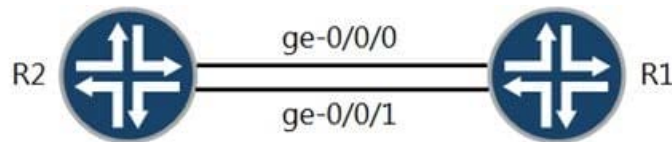


Referring to the exhibit, which two statements are correct for a route advertised by R1 towards R4? (Choose two.)

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

Correct Answer: AD

### QUESTION 3



```
user@R2> show isis database extensive level 2
Header: LSP ID: R1.00-00, Length: 457 bytes
  Allocated length: 491 bytes, Router ID: 10.254.0.1
  Remaining lifetime: 1130 secs, Level: 2, Interface: 73
  Estimated free bytes: 0, Actual free bytes: 34
  Aging timer expires in: 1130 secs
  Protocols: IP, IPv6

Packet: LSP ID: R1.00-00, Length: 457 bytes, Lifetime : 1196 secs
  Checksum: 0xef18, Sequence: 0x1d, Attributes: 0x7 <L1 L2 Overload>
  NLPID: 0x83, Fixed length: 27 bytes, Version: 1, Sysid length: 0 bytes
  Packet type: 20, Packet version: 1, Max area: 0

TLVs:
  Area address: 49.0002 (3)
  LSP Buffer Size: 1492
  Speaks: IP
  Speaks: IPV6
  IP router id: 10.254.0.1
  IP address: 10.254.0.1
  IPv6 TE Router ID: 2001:db8::1
  Hostname: R1
  IS neighbor: R1.02, Internal, Metric: default 10
  IS neighbor: R1.03, Internal, Metric: default 10
  Extended IS Reachability TLV, Type: 22, Length: 90
  IS extended neighbor: R1.02, Metric: default 10 SubTLV len: 34
    IP address: 172.16.1.1
    IPv6 address: 2001:db8::1
    Local interface index: 73, Remote interface index: 0
  Router Capability: Router ID 10.254.0.1, Flags: 0x00
    IPv6 TE Router Id: 2001:db8::1
  No queued transmissions
```

A network administrator is investigating why traffic from R2 is not being forwarded to R1.

Referring to the show isis database command output shown in the exhibit, what is causing this problem on the network?

- A. R1 and R2 are in different IS-IS areas.
- B. The preferred interface between R1 and R2 is experiencing errors.
- C. R1 is configured to drop all incoming traffic.
- D. R2 is ignoring specific LSPs from R1 in its SPF calculations.

Correct Answer: D



#### QUESTION 4

What occurs when a router running IS-IS receives an LSP with the overload bit set?

- A. The LSP is ignored during SPF calculation.
- B. The LSP is not added to the link-state database.
- C. The LSP's metric will be set to 65535.
- D. The LSP's metric will be set to 16777215.

Correct Answer: D

#### QUESTION 5

```
user@router> show ospf database router detail advertising-router 192.168.1.4
  OSPF database, Area 0.0.0.0
  Type      ID          Adv Rtr          Seq      Age  Opt  Cksum  Len
Router *192.168.1.4      192.168.1.4      0x80000009  128  0x22  0xa728  84
  bits 0x2, link count 5
  id 10.1.15.33, data 10.1.15.33, Type Transit (2)
    Topology count: 0, Default metric: 1
  id 10.1.15.37, data 10.1.15.38, Type Transit (2)
    Topology count: 0, Default metric: 1
  id 192.168.1.2, data 10.1.15.30, Type PointToPoint (1)
    Topology count: 0, Default metric: 1
  id 10.1.15.28, data 255.255.255.252, Type Stub (3)
    Topology count: 0, Default metric: 1
  id 192.168.1.4, data 255.255.255.255, Type Stub (3)
    Topology count: 0, Default metric: 0
  Topology default (ID 0)
    Type: PointToPoint, Node ID: 192.168.1.2
      Metric: 1, Bidirectional
    Type: Transit, Node ID: 10.1.15.37
      Metric: 1, Bidirectional
    Type: Transit, Node ID: 10.1.15.33
      Metric: 1, Bidirectional
```

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

- A. This router is an ASBR.
- B. There are two interfaces marked as passive.
- C. There is one interface marked as passive.
- D. This router is an ABR.

Correct Answer: AC