JN0-663^{Q&As}

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

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QUESTION 1

```
user@R1> show ospf3 interface
Interface        State       Area         DR ID        BDR ID       Nbrs
ge-0/0/0.0       DR          0.0.0.0      172.16.1.2   172.16.1.1      1
ge-0/0/0.0       PtToPt      0.0.0.1      0.0.0.0      0.0.0.0         1
ge-0/0/1.0       BDR         0.0.0.1      172.16.1.1   172.16.1.2      1

user@R1> show ospf3 neighbor
ID               Interface      State    Pri      Dead
172.16.1.1       ge-0/0/0.0     Full     128        39
   Neighbor-address fe80::20c:29ff:fef9:7f7b
   Area 0.0.0.0
172.16.1.1       ge-0/0/0.0     Full     128        37
   Neighbor-address fe80::20c:29ff:fef9:7f7b
   Area 0.0.0.1
172.16.1.1       ge-0/0/1.0     Full     128        37
   Neighbor-address fe80::20c:29ff:fef9:7f85
   Area 0.0.0.1
```

Referring to the exhibit, which OSPFv3 configuration is implemented on router R1?

A. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0

B. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 virtual-link neighbor-id 172.16.1.2

C. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0 secondary

D. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0 interface-type p2p

Correct Answer: D

QUESTION 2

```
user@router# run show class-of-service rewrite-rule name
traffic-class
rewrite rule: traffic-class, code point type: exp, index:
58866
   Forwarding class              Loss Priority         Code Point
   best-effort                   low                   000
   best-effort                   high                  001
   expedited-forwarding          low                   111
   expedited-forwarding          high                  011
   assured-forwarding            low                   100
   assured-forwarding            high                  101
   network-control               low                   110
   network-control               high                  111
```

Your router should be configured with a rewrite rule which alters the default behavior of expedited forwarding as shown in the exhibit.

In this scenario, which configuration is correct?

A.
```
[edit class-of-service]
user@router# show
rewrite-rules {
    exp traffic-class {
        import best-effort;
        import assured-forwarding;
        import network-control;
        forwarding-class expedited-forwarding {
            loss-priority low code-point 111;
        }
    }
}
```

B.
```
[edit class-of-service]
user@router# show
rewrite-rules {
    exp traffic-class {
        import rewrite-rule best-effort;
        import rewrite-rule expedited-forwarding;
        import rewrite-rule assured-forwarding;
        import rewrite-rule network-control;
        forwarding-class expedited-forwarding {
            loss-priority low code-point 111;
        }
    }
}
```

C.
```
[edit class-of-service]
user@router# show
rewrite-rules {
    exp traffic-class {
        import best-effort;
        import assured-forwarding;
        import expedited-forwarding;
        import network-control;
    }
}
```

D.
```
[edit class-of-service]
user@router# show
rewrite-rules {
    exp traffic-class {
        import default;
        forwarding-class expedited-forwarding {
            loss-priority low code-point 111;
        }
    }
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 3

```
user@PE1> show route table vpna.mvpn.0
vpna.mvpn.0: 6 destinations, 9 routes (6 active, 1 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
1:10.1.1.1:1:10.1.1.1/240
 *[MVPN/70] 04:09:44, metric2 1
 Indirect
```

The route shown in the exhibit is an example of which type of next-generation MVPN route?

A. Type 1 Intra-AS inclusive MVPN membership discovery

B. Type 4 Selective MVPN autodiscovery route for leaf

C. Type 3 Selective MVPN autodiscovery route

D. Type 2 Inter-AS inclusive MVPN membership discovery

Correct Answer: A

Reference: https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/concept/type1intra-as-ad-routes-originating.html

---

QUESTION 4

```
user@host> show pim join 234.100.0.1 extensive
Instance: PIM.master Family: INET
R = Rendezvous Point Tree, S = Sparse, W = Wildcard

Group: 234.100.0.1
    Source: 192.168.100.2
    Flags: sparse, spt
    Active upstream interface: ge-1/0/0.0
    Active upstream neighbor: 192.168.101.2
    MoFRR Backup upstream interface: ge-1/0/1.0
    MoFRR Backup upstream neighbor: 192.168.102.2
    Upstream state: Join to Source, No Prune to RP
    Keepalive timeout: 300
    Uptime: 00:00:15
    Downstream neighbors:
        Interface: ge-1/2/0.0
            192.168.103.2 State: Join Flags: S  Timeout: Infinity
            Uptime: 00:00:15 Time since last Join: 00:00:15
Number of downstream interfaces: 1
```

Which three statements are true about the show pim join output shown in the exhibit? (Choose three.)

A. This is a source-specific multicast stream.

B. The multicast receiver is still using the RP to receive the stream.

C. The multicast stream has been configured with a backup path to allow for fast reroute.

D. The multicast stream does not have an RP.

E. The shortest path to the source is through the RP.

Correct Answer: CDE

QUESTION 5

You have a mixed vendor EVPN environment and you need to ensure VXLAN interoperability between all devices.

In tins scenario, winch statement is correct?

A. You should only use pure Type 2 routes.

B. You should only use pure Type 5 routes.

C. You should only use Type 2 and Type 5 routes.

D. You should only use Type 6 and Type 2 routes.

Correct Answer: C

QUESTION 6
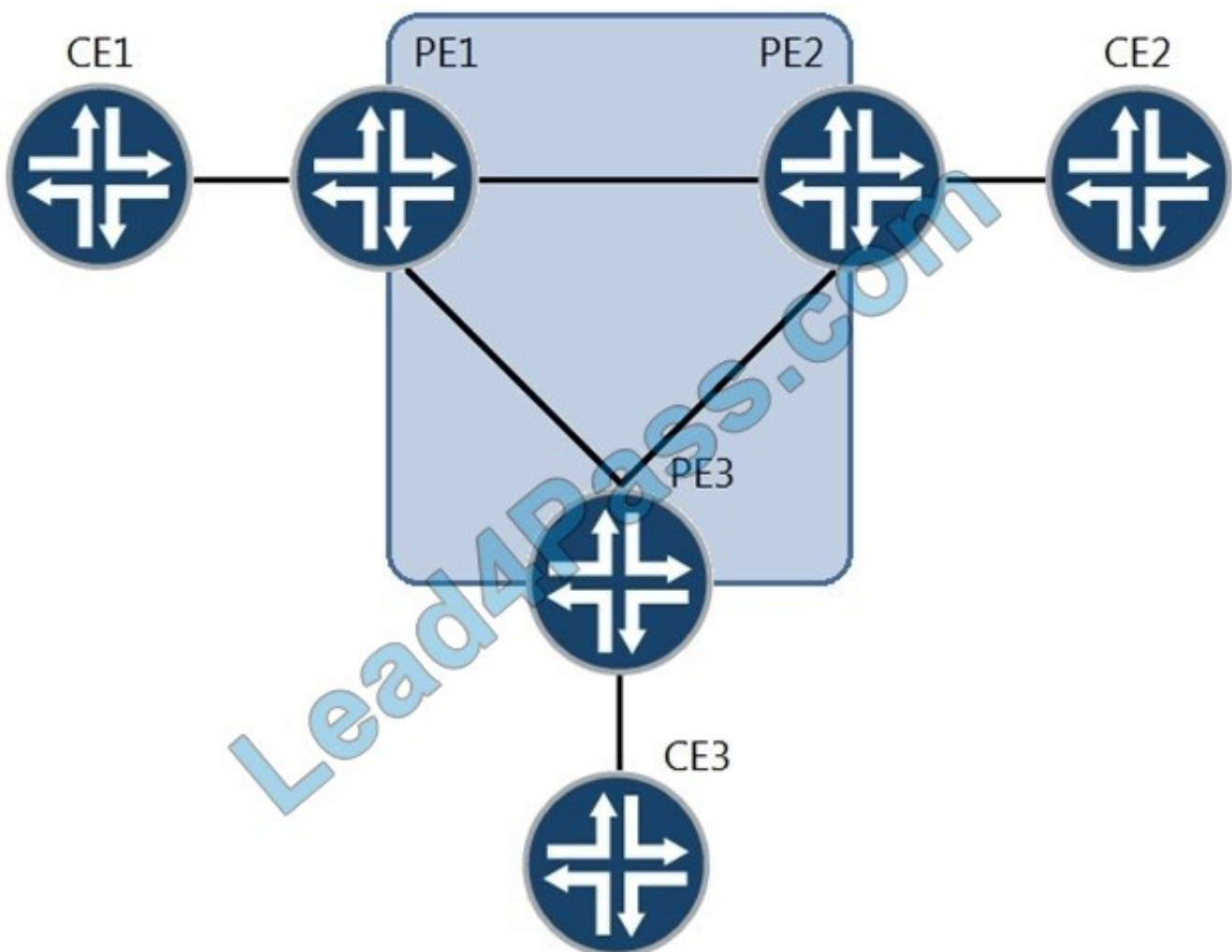
You are provisioning Layer 2 circuits between sites CE1, CE2, and CE3.

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 7

```
user@host# show protocols ospf
area 0.0.0.6 {
    nssa {
        default-lsa {
            default-metric 10;
            metric-type 1;
            type-7;
        }
no-summaries;
area-range 192.168.16.0/20;
    }
}
```

Referring to the ABR configuration shown in the exhibit, which three statements are correct? (Choose three.)

A. The ABR advertises a default route to the NSSA using a Type 7 LSA.

B. The ABR advertises a single Type 3 summary LSA to the backbone area for all Type 1 and Type 2 LSAs in the 192.168.16.0/20 range.

C. The ABR advertises a Type 5 external LSA to the backbone area for each Type 7 LSA in the NSSA.

D. The ABR does not summarize any routes within the 192.168.16.0/20 range.

E. The ABR advertises a single Type 5 external LSA to the backbone area for all Type 7 LSAs in the NSSA.

Correct Answer: ABC

QUESTION 8

Which two statements are true about what a route reflector does by default when distributing routes it has received from

reflector clients? (Choose two.)

A. It does not change any received BGP attributes.

B. It changes the default BGP attributes to inform peers that it is a route reflector.

C. It sets the next hop of all routes to "self" to prevent routing loops.

D. It adds its cluster ID to the client-received routes.

Correct Answer: AD

QUESTION 9
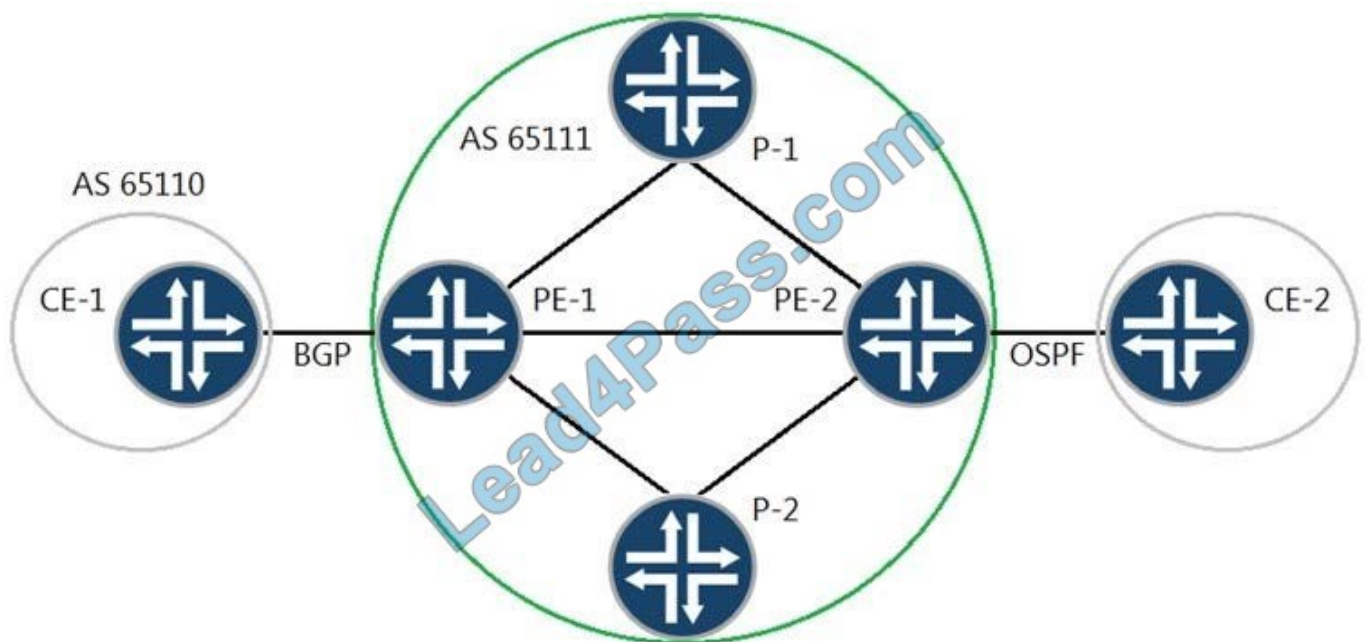
You have a Layer 3 VPN established between PE-1 and PE-2 to allow communication between CE-1 and CE-2. You want to establish communication between CE-1 and CE-2.

Referring to the exhibit, which statement is correct?

A. You will need a BGP export policy on PE-1 to redistribute the OSPF routes, learned from PE-2, to the CE1 BGP neighbor.

B. You will need a VRF import policy on PE-2 to advertise the OSPF routes, learned from CE-2, through the Layer 3 VPN.

C. You will need a VRF export policy on PE-2 to redistribute the OSPF routes, learned from CE-2, through the Layer 3 VPN.

D. You will need a VRF import policy on PE-1 to receive the OSPF routes, learned from PE-2, through the Layer 3 VPN.

Correct Answer: C

QUESTION 10

You are asked to configure a series of interface policers and firewall filters, which include policers, on the same device. You must ensure that the two configuration methods do not conflict.

What are two considerations when performing this task? (Choose two.)

A. On inbound traffic, firewall filters are applied before interface policers.

B. On outbound traffic, interface policers are applied before firewall filters.

C. On outbound traffic, firewall filters are applied before interface policers.

D. On inbound traffic, interface policers are applied before firewall filters.

Correct Answer: CD

QUESTION 11
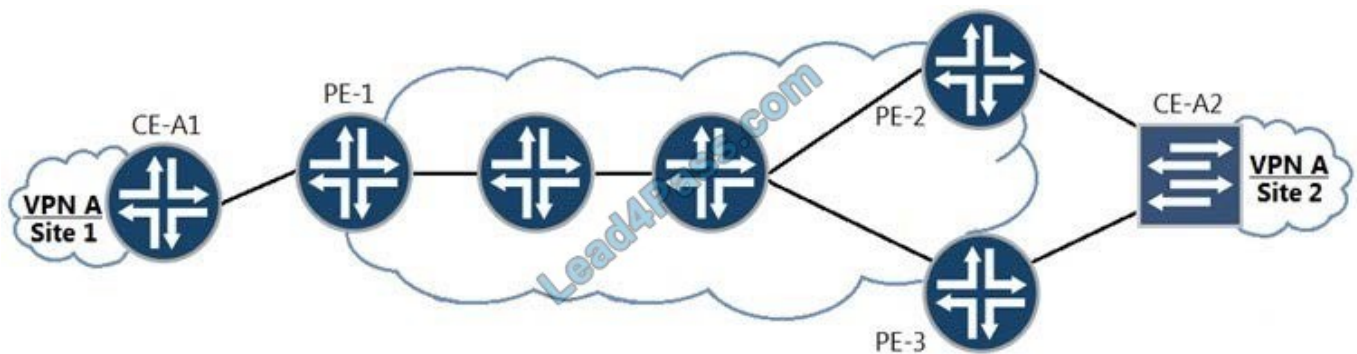
Referring to the exhibit, you need to implement VPLS between CE-A1 and CE-A2. You must ensure that no loops are created due to the multihoming of the connection from CE-A2 to PE2 and PE3.

Based on the type of VPLS, which two solutions will satisfy this requirement? (Choose two.)

A. In an LDP VPLS, configure a primary and backup neighbor.

B. In an LDP VPLS, configure multihoming and local preference on PE-2 and PE-3.

C. In a BGP VPLS, configure multihoming and local preference on PE-2 and PE-3.

D. In a BGP VPLS, configure a primary and backup neighbor.

Correct Answer: AC
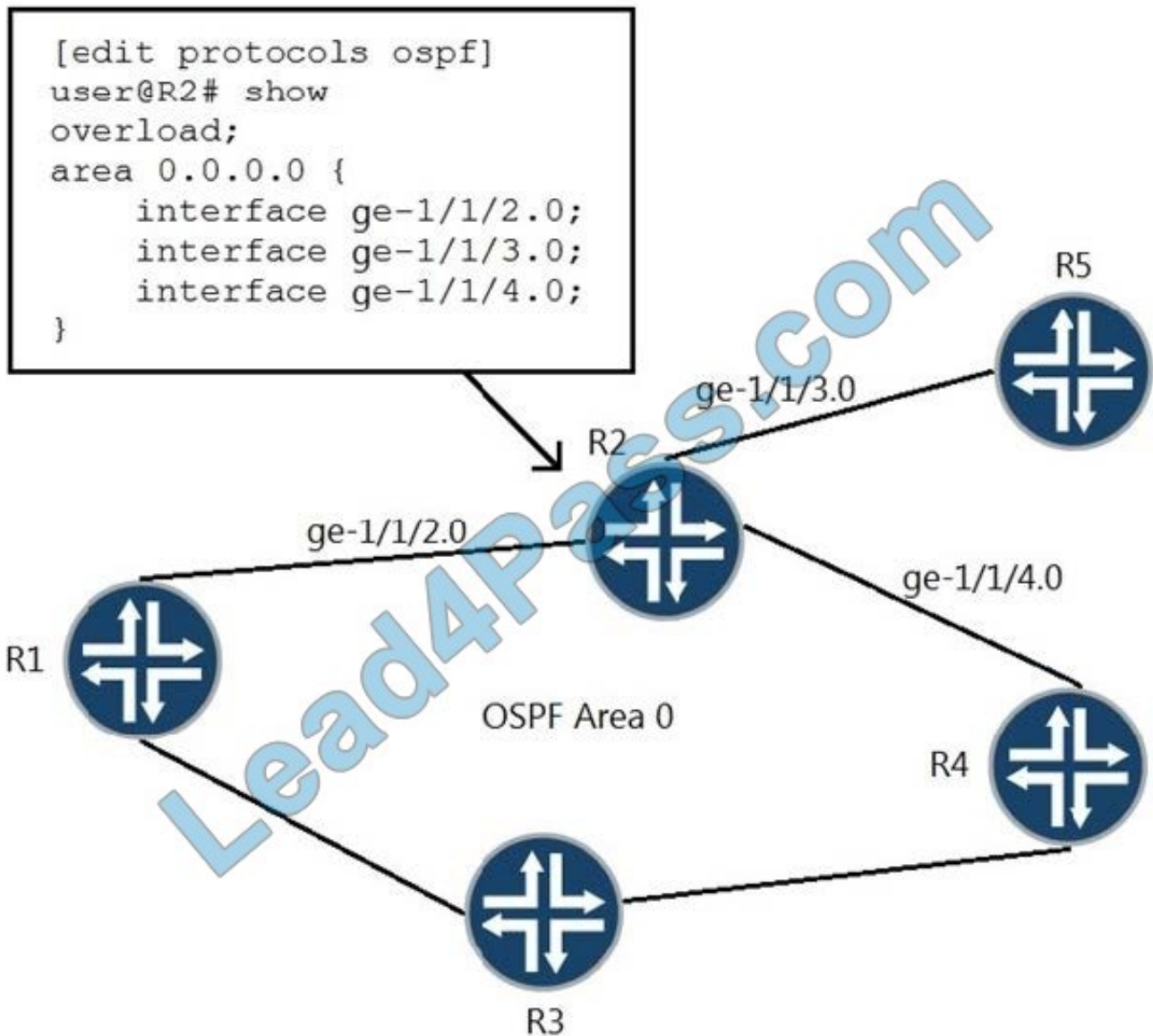

QUESTION 12
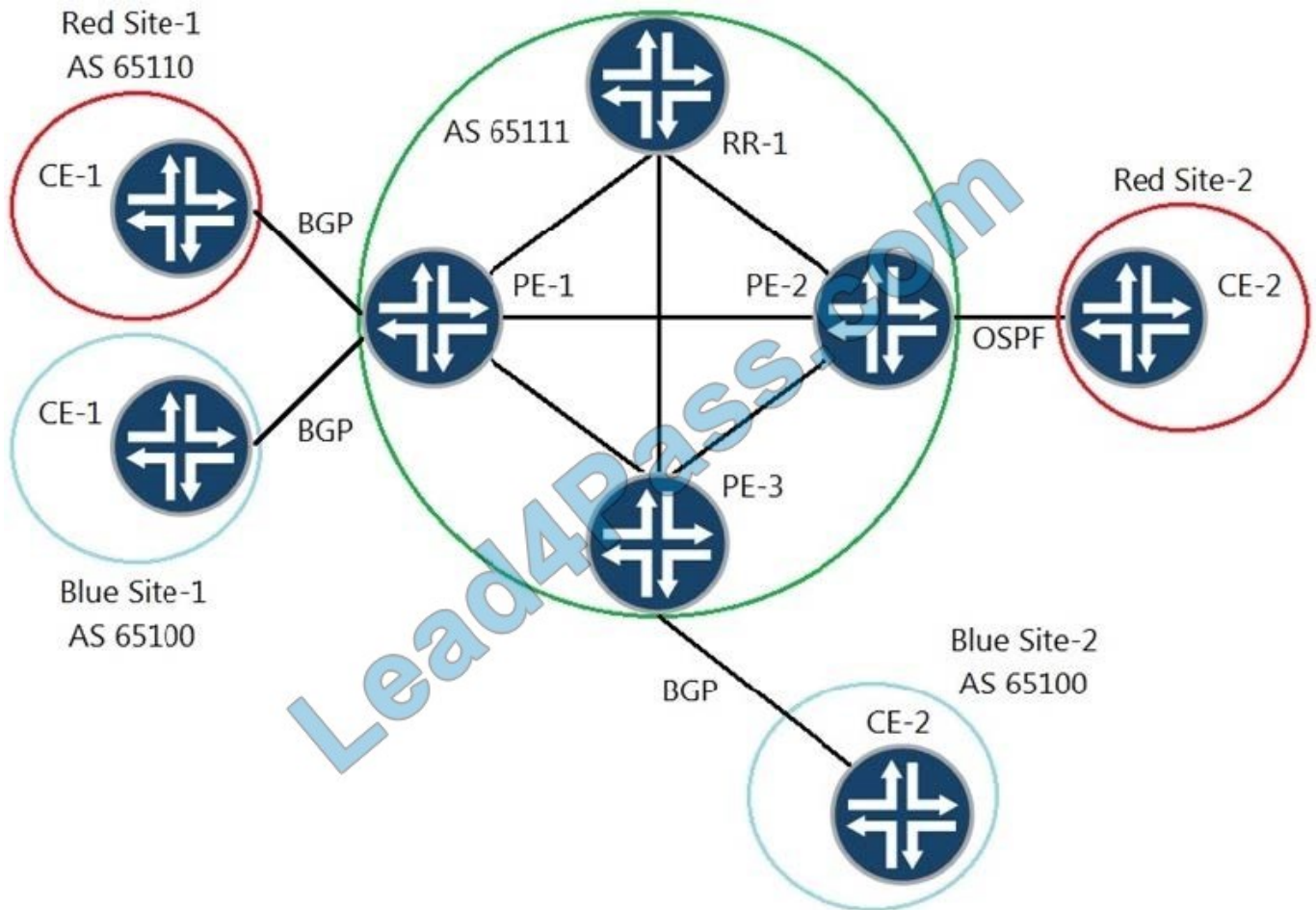
You have a Layer 3 VPN established between PE-1 and PE-2 as well as between PE-1 and PE-3. You are using a route reflector (RR-1) to distribute VPN routes to your IBGP peers. You are asked to ensure that only relevant routes are sent from RR-1 to each of the PE routers.

Referring to the exhibit, which statement is correct?

A. You should use VRF export policies on RR-1 to control which routes are sent to each PE router.

B. You should use route target filtering only on RR-1 to control which routes are sent to each PE router.

C. You should use firewall filtering on RR-1 and all the PE devices to control which routes are sent to each PE router.

D. You should use route target filtering on RR-1 and all the PE devices to control which routes are sent to each PE router.

Correct Answer: B

QUESTION 13

```
[edit protocols ospf]
user@R2# show
overload;
area 0.0.0.0 {
    interface ge-1/1/2.0;
    interface ge-1/1/3.0;
    interface ge-1/1/4.0;
}
```


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

A. R2 stops sending LSAs into the network.

B. The OSPF interface metrics on R2 are all set to 65535.

C. R1 will never forward transit traffic through R2.

D. Transit traffic from R1 to R4 will traverse R3.

Correct Answer: BD

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