642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Which two statements about route reflectors are true? (Choose two)

A. A non-route reflector capable router can be a client.

B. Clients do not need IBGP sessions to all the route reflectors in the same cluster.

C. A hierarchical route reflector design is where a route reflector is also client of another route reflector.

D. Clients should have IBGP sessions to route reflectors that belong to different clusters to provide redundancy.

Correct Answer: AC

QUESTION 2

AS 65101 is a dual home customer. When starting the EBGP sessions with both ISPs announcing its networks, which two statements are true about the default behavior of BGP? (Choose two)

A. The default BGP route selection prefers the shortest AS-Path.

B. If the AS-Paths are equal in length, BGP prefers the route from the peer with the highest router ID.

C. The bandwidth available to reach the ISPs is not taken into consideration in the BGP path selection process.

D. Using the default BGP "maximum-paths" of 4, BGP can load balance the outbound traffic from themultihomed customer between the two ISPs.

Correct Answer: AC

QUESTION 3

What do the following commands accomplish?

R(config-router)#neighbor {ip addressII} route-map CCIP Configuring BGP on Cisco Routers (BGP) out R(config)#route-map CCIP Configuring BGP on Cisco Routers (BGP) permit 10 R(config-route-map)#set as-path prepend {AS-Number} {AS-Number}

A. They influence outbound-traffic BGP path selection.

B. They influence inbound-traffic BGP path selection.

C. They influence both inbound and outbound-traffic BGP path selection.

D. They influence BGP path selection using AS-path filtering.

Correct Answer: B

QUESTION 4

Which four attributes are used by BGP to detect routing loops? (Choose four.)

A. Originator ID

B. Community ID

C. AS-Path

D. Cluster ID

E. Cluster List

Correct Answer: ACDE

QUESTION 5

Based on the show route-map test output shown in the exhibit, which matching routes will be set to a weight of 150?

```
PIR1#show route-map test
route-map test, permit, sequence 10
  Match clauses:
        ip address prefix-lists: test
        as-path (as-path filter): 1 2
        community (community-list filter): 1 2
  Set clauses:
        weight 150
  Policy routing matches: 0 packets, 0 bytes
```

A. Routes that match the prefix-list named test AND match the as-path filter 1 AND 2 AND match the community-list 1 AND 2

B. Routes that match the prefix-list named test OR match the as-path filter 1 OR 2 OR match the community-list 1 OR 2

C. Routes that match the prefix-list named test OR match the as-path filter 1 AND 2 OR match the community-list 1 AND 2

D. Routes that match the prefix-list named test AND also match either the as-path filter 1 OR 2 AND also match either the community-list 1 OR 2

Correct Answer: D

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