642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Based on the show ip route bgp output and the BGP configuration shown in the exhibit, which BGP prefixes will be advertised by P1R1? (Choose four.)

```
P1R1#sh ip route bgp
B    192.168.12.0/24 [20/0] via 172.31.1.3, 00:53:00
B    192.168.13.0/24 [20/0] via 172.31.1.3, 00:53:00
B    192.168.14.0/24 [20/0] via 172.31.1.3, 00:53:00
B    192.168.15.0/24 [20/0] via 172.31.1.3, 00:53:00
B    192.168.20.0/24 [20/0] via 172.31.11.4, 00:52:57
B    192.168.21.0/24 [20/0] via 172.31.11.4, 00:52:57
B    192.168.22.0/24 [20/0] via 172.31.11.4, 00:52:57
B    192.168.23.0/24 [20/0] via 172.31.11.4, 00:52:57


P1R1#sh run
!
! Partial show run output
!
router bgp 65101
  aggregate-address 192.168.12.0 255.255.252.0 summary-only
  aggregate-address 192.168.20.0 255.255.252.0
  neighbor 10.1.1.1 remote-as 65101
  neighbor 172.31.1.3 remote-as 65102
  neighbor 172.31.11.4 remote-as 65103
```
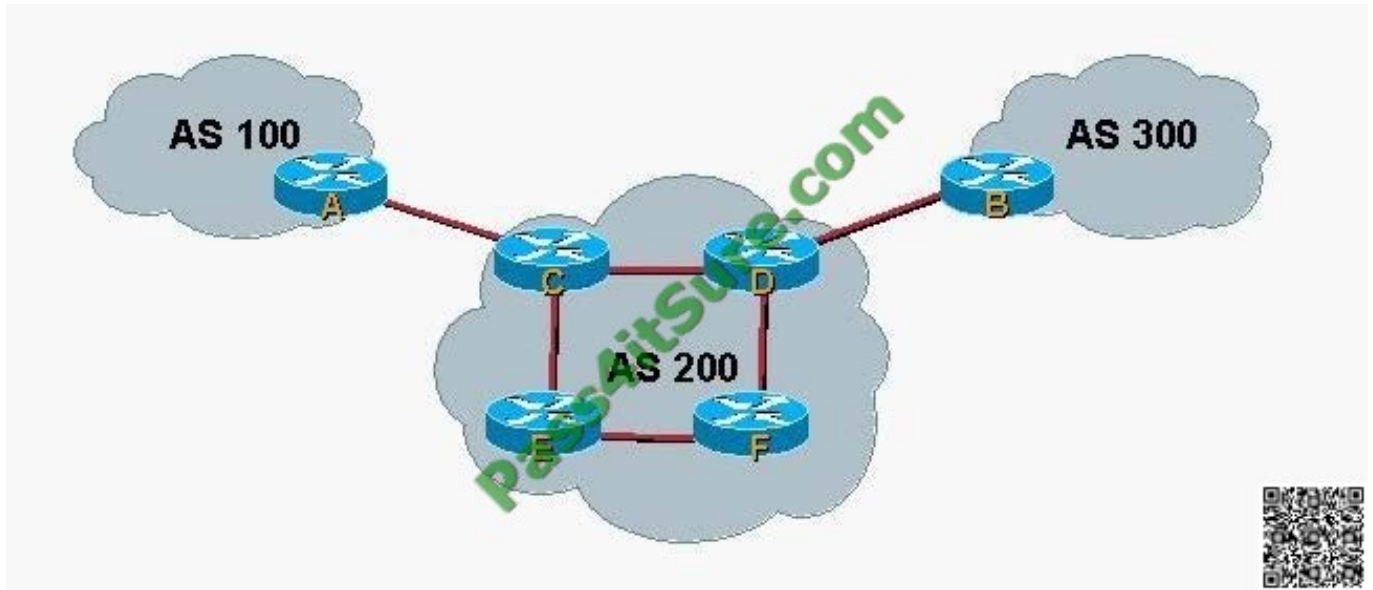
A. 192.168.12.0/22

B. 192.168.20.0/24

C. 192.168.23.0/24

D. 192.168.12.0/24

E. 192.168.15.0/24

F. 192.168.20.0/22

Correct Answer: ABCF

QUESTION 2

Refer to the exhibit. All routers are running BGP. Which of these statements is correct?

A. EBGP is being run betweenRtr-A and Rtr-C and between Rtr-B and Rtr-D. All connections between routers inside AS 200 are IBGP.

B. All connections between all routers are EBGP.

C. EBGP is being run betweenRtr-A and Rtr-C, between Rtr-B and Rtr-D, and between Rtr-C and Rtr-D. Rtr-C and Rtr-D are route reflectors for Rtr-E and Rtr-F.

D. EBGP is being run betweenRtr-A and Rtr-C, between Rtr-B and Rtr-D, and between Rtr-C and Rtr-D. IBGP is being run between all other routers.

E. All connections between all routers are IBGP.

Correct Answer: A

QUESTION 3

Which of the following errors is the most common when configuring BGP routers within a transit AS?

A. using BGP next-hop-self on the edge routers

B. BGP to IGP redistribution errors

C. IGP to BGP redistribution errors

D. BGP synchronization enabled

Correct Answer: D

QUESTION 4

Given the following:

router bgp 65123 neighbor customers peer-group neighbor 10.1.1.2 remote-as 65213 neighbor 10.1.1.2 peer-group customers neighbor 10.2.2.2 remote-as 65314 neighbor 10.2.2.2 peer-group customers neighbor 10.2.2.2 route-map test2 in

Based on the BGP configuration for a router in AS 65123, which two statements are true? (Choose two)

A. The peer group is named "customers".

B. The two EBGP peer belongs to the same peer-group.

C. The route-map named "test2" will be applied both EBGP peers.

D. The peer group configuration is used to reduce the full mesh BGP requirements.

Correct Answer: AB

QUESTION 5

Which BGP configuration option is designed to reduce router processing load caused by unstable routes?

A. bgp dampening

B. no sync

C. neighbor {ip-address} maximum-prefix {number}

D. sync

E. bgp scan-time

F. bgp deterministic-med

Correct Answer: A

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