



# 642-661<sup>Q&As</sup>

CCIP Configuring BGP on Cisco Routers (BGP)

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### QUESTION 1

Which condition must be met before Route Refresh messages can be sent to a BGP peer?

- A. The soft reconfiguration feature must be enabled.
- B. The BGP peer must advertise Route Refresh capability.
- C. The Outbound Route Filter (ORF) feature must be enabled.
- D. The BGP peer must have enough memory to store a copy of the original update.

Correct Answer: B

### QUESTION 2

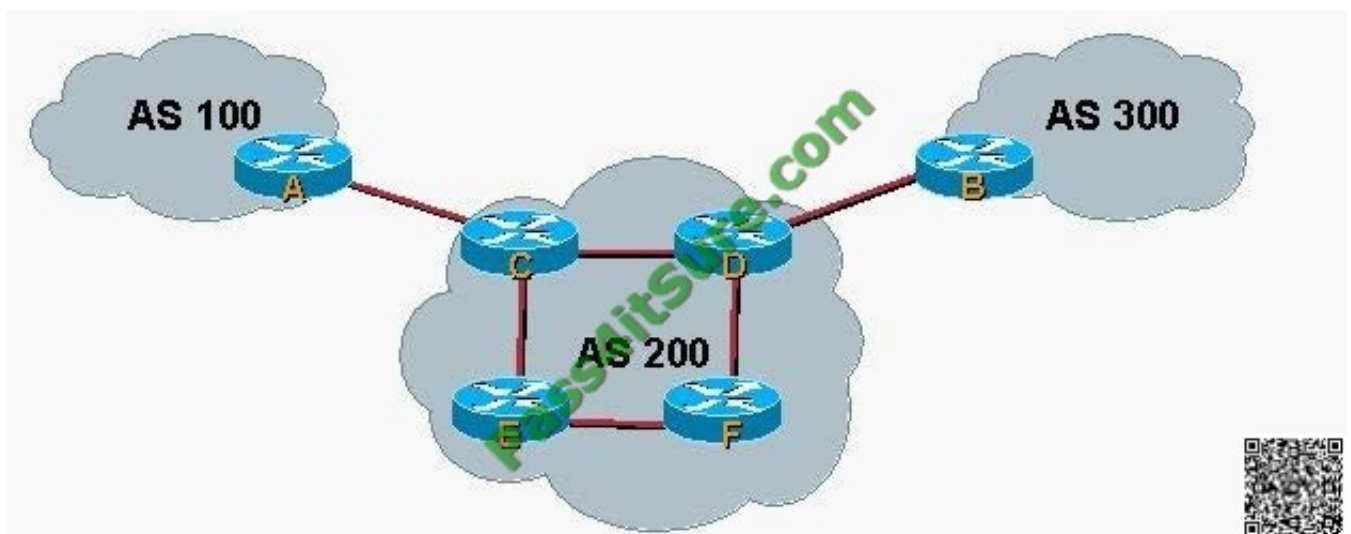
Which of the following errors is the most common when configuring BGP routers within a transit AS?

- 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 3

Refer to the exhibit. Which two statements are correct? (Choose two.)



- A. The AS path is not manipulated when advertising a route to an IBGP peer; the local AS is added to the AS path only



when advertising a route to an EBGP peer.

B. Routers C and D will redistribute all the BGP prefixes into an IGP to make routing more scalable within AS 200.

C. The routers within AS 200 are EBGP peers because this is not a full mesh implementation.

D. When router D announces a prefix learned from AS 100 to router B, the next-hop will be changed to the IP address of router C (the interface that connects to router D).

E. The routers within AS 200 are IBGP peers; routes learned from an IBGP peer are not generally advertised to other IBGP peers.

Correct Answer: AE

#### QUESTION 4

Which statement is correct about transit AS and iBGP?

A. The iBGP full mesh is a physical full mesh of all the routers within a transit AS.

B. The iBGP full mesh is a logical mesh of TCP sessions.

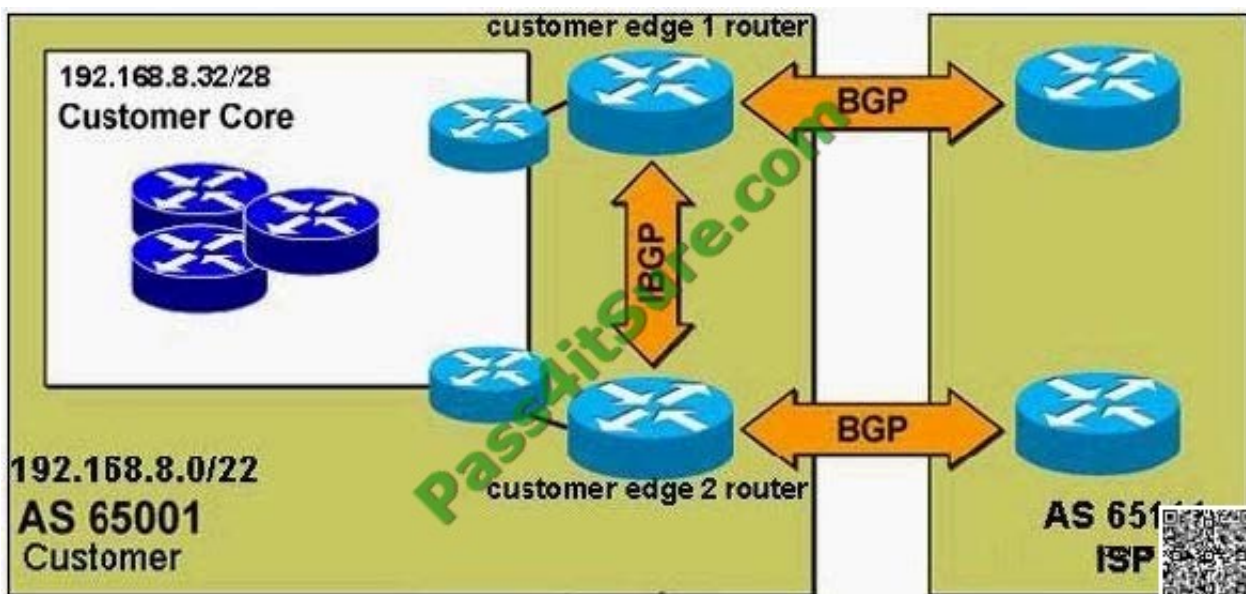
C. Transit AS running full-mesh iBGP requires synchronization to be enabled.

D. Transit AS running full-mesh iBGP requires next-hop-self to be enabled on all the core routers.

Correct Answer: B

#### QUESTION 5

Based on the network diagram shown in the exhibit, what is the correct configuration on the customer edge router used to conditionally announce the customer networks to the ISP?





A. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 ! ip route 192.168.8.0 255.255.252.0 null0

B. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 summary-only ! router ospf 1 network 192.168.8.0 0.0.3.255 area 0

C. routerbgp 65001 ! neighbor commands not shown network 192.168.8.0 mask 255.255.252.0 ! ip route 192.168.8.0 255.255.252.0 192.168.8.33

D. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 summary-only ! ip route 192.168.8.0 255.255.252.0 192.168.8.33

E. routerbgp 65001 ! neighbor commands not shown network 192.168.8.0 network 192.168.9.0 network 192.168.10.0 network 192.168.11.0 ! ip route 192.168.8.0 255.255.255.0 null0 ip route 192.168.9.0 255.255.255.0 null0 ip route

192.168.10.0 255.255.255.0 null0 ip route 192.168.11.0 255.255.255.0 null0

Correct Answer: C

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