Question 1

Which of the following is considered a best practice for BGP address planning?

Options:

A- Advertising external networks into IGP.

B- Using system addresses for setting up iBGP sessions.

C- Exporting the networks associated with the external links of eBGP peers into BGP.

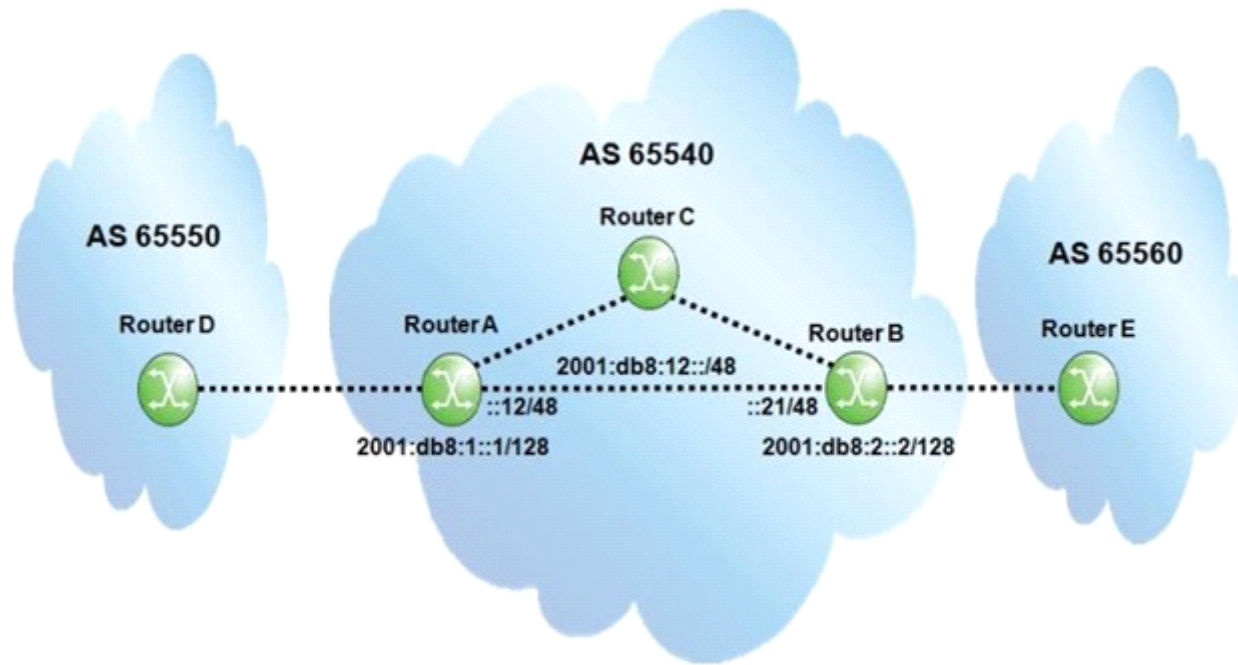**D-** Optimizing BGP route table by exporting IGP routes into BGP.

Answer:

B

Question 2

Click the exhibit.

AS 65540

Router C

AS 65550

AS 65560

Router D   Router A   Router B   Router E

2001:db8:12::/48

::12/48   ::21/48

2001:db8:1::1/128   2001:db8:2::2/128

Assume all router-IDs are properly configured, and global IPv6 addresses are used to establish eBGP sessions. Which of the following configurations is required on router A so that router B can exchange traffic with router D?

A. group "IPv6_iBGP"
        family ipv6
        next-hop-self
        peer-as 65540
        neighbor 2001:DB8:2::2
            exit
    exit

B. group "IPv6_iBGP"
        next-hop-self
        type internal
        peer-as 65540
        neighbor 2001:DB8:2::2
            exit
    exit

C. group "IPv6_iBGP"
        family ipv6
        peer-as 65540
        neighbor 2001:DB8:2::2
            exit
    exit

D. group "IPv6_iBGP"
        family ipv6
        next-hop-self
        type internal
        neighbor 2001:DB8:2::2
            exit
    exit

Options:

A- Option A

B- Option B
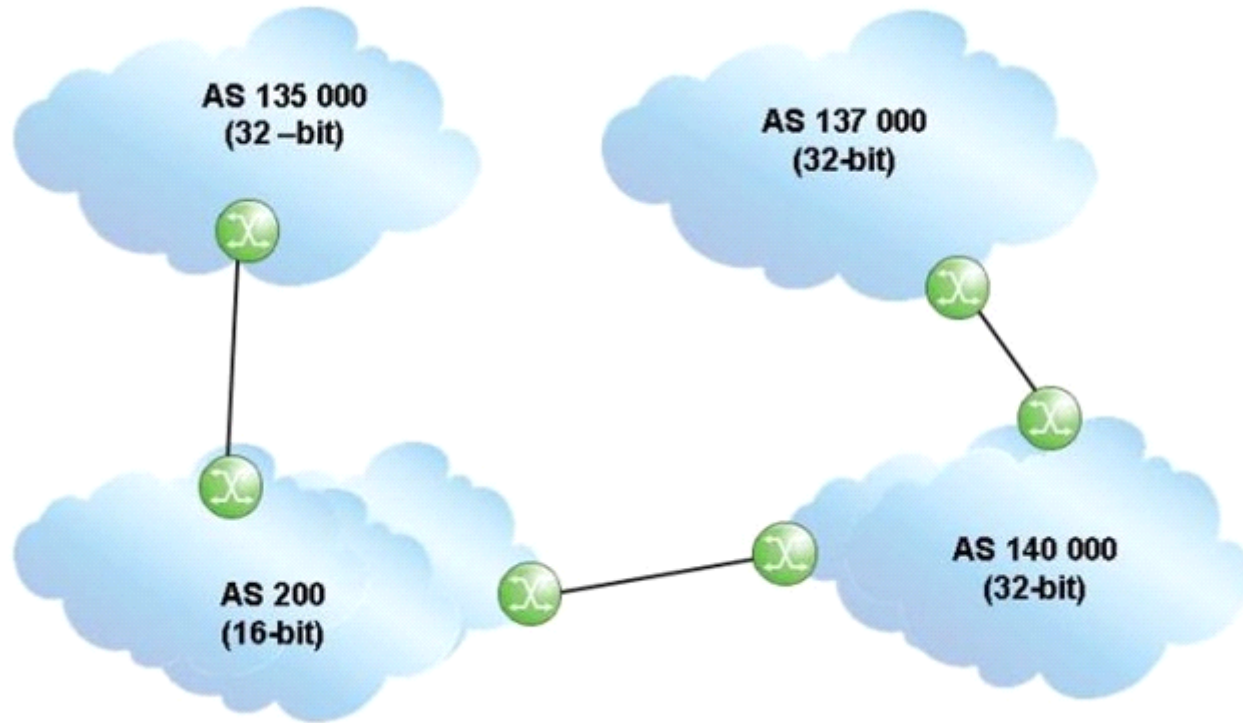
C- Option C

D- Option D

Answer:

A

Question 3

Question Type: **MultipleChoice**

Click the exhibit.

An update travels from AS 137000 to AS 135000, traversing both 32-bit and 16-bit AS Paths.

What AS Path is seen by AS 200?

Options:

A- 140000 137000

B- 137000 140000

C- 23456 23456

D- 200 140000 137000

Answer:

C

Question 4

An autonomous system has 7 routers configured with BGP. How many iBGP sessions are required for a fully meshed configuration?
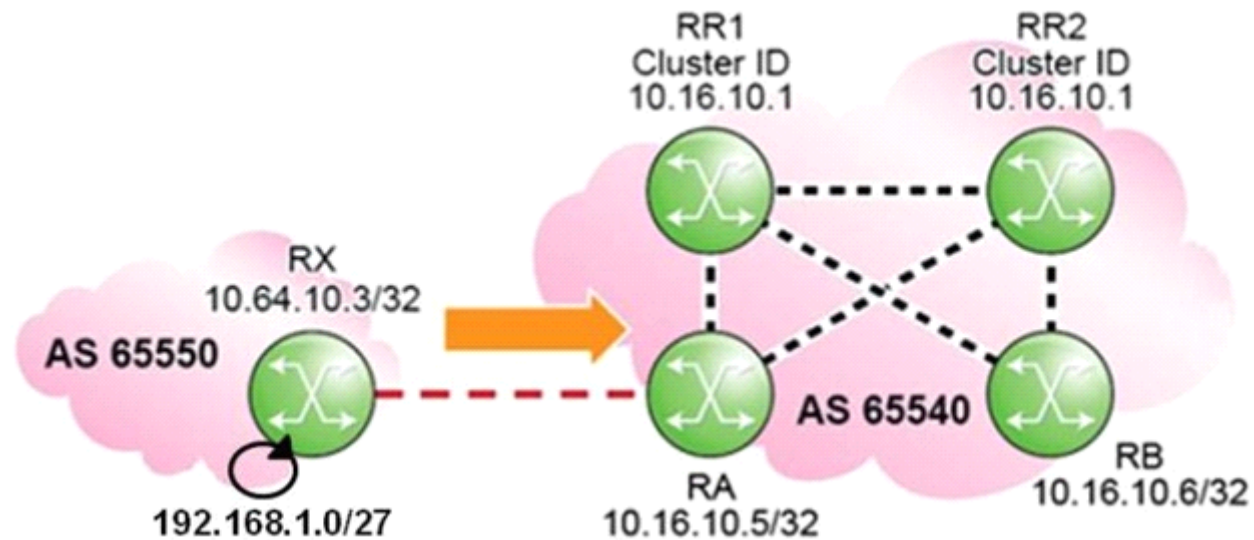
Options:

A- 7

B- 13

C- 21

D- 42

Question 5

Click the exhibit.

Routers RR1 and RR2 are route reflectors with the same Cluster-ID. How does router RA treat the updates for prefix 192.168.1.0/27 received from routers RR1 and RR2?

Options:

A- Router RA prefers the update received from router RR1.

B- Router RA prefers the update received from router RR2.

C- Router RA flags both updates as invalid.

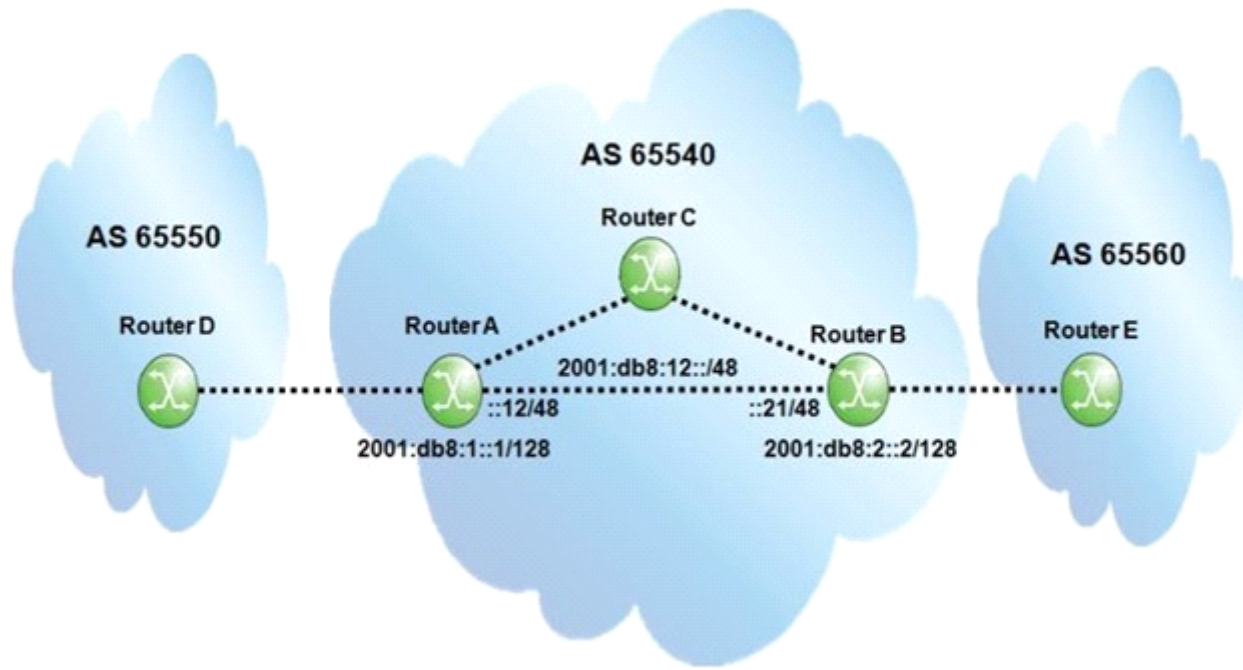**D-** Router RA accepts both updates and flags them as used.

Answer:

C

Question 6

Question Type: **MultipleChoice**

Click the exhibit.

AS 65540

Router C

AS 65550

AS 65560

Router D

Router A

Router B

Router E

2001:db8:12::/48

::12/48

::21/48

2001:db8:1::1/128

2001:db8:2::2/128

Assuming the network is IPv6 only, which of the following configurations on the Nokia

7750 SR router A can establish an IPv6 BGP session to router B?

A.   router-id 10.10.10.1
    group "IPv6_iBGP"
        family ipv6
        peer-as 65540
        neighbor 2001:DB8:2::2
        exit
    exit

B.   group "IPv6_iBGP"
        family ipv6
        type internal
        peer-as 65540
        neighbor 2001:DB8:2::2
        exit
    exit

C.   group "IPv6_iBGP"
        family ipv6
        type internal
        peer-as 65540
        neighbor 2001:DB8:12::21
        exit
    exit

D.   group "IPv6_iBGP"
        family ipv6
        type internal
        neighbor 2001:DB8:2::2
        exit
    exit

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

A

Question 7

Question Type: MultipleChoice

Which of the following statements regarding BGP shortcuts is FALSE?

Options:

A- MPLS tunnels are used to carry transit traffic across the network.

B- A full mesh of iBGP peering sessions is not required,

C- Edge and transit routers need to be configured with BGP.

D- The transit routers need to support LDP or RSVP-TE LSPs.

Answer:

C