Question 1

Which of the following regarding "well-known discretionary'' BGP attributes is TRUE?

Options:

A- They must be recognized by all peers and included in all BGP updates.

B- They are discarded if not recognized by the recipient.

C- They must be recognized by all peers and optionally included in BGP updates.

D- The receiving router sends a notification if a well-known discretionary attribute is not present in an update.
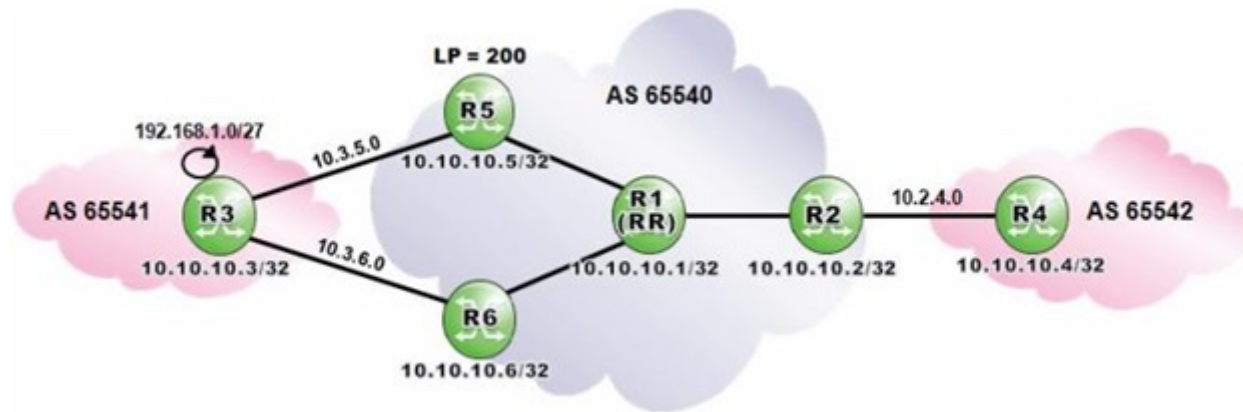
Answer:

C

Question 2

Click the exhibit.

Router R1 is a route reflector with clients R2, R5 and R6. Prefixes advertised by router R5 have a local preference of 200. Router R3 advertises the prefix 192.168.1.0/27 to routers R5 and R6. Assuming that none of the routers in AS 65540 is configured with "advertise-external", what is the expected output of "show router bgp routes on router R1?

Options:

A- Option A

```
Flag  Network                          LocalPref   MED

      Nexthop                          Path-Id    VPNLabel
      As-Path
--------------------------------------------------------------
u*>i  192.168.1.0/27                   200         None
      10.10.10.5                       None        -
      65541
i     192.168.1.0/27                   100         None
      10.10.0.6                        None        -
      65541
```

B- Option B

```
Flag  Network                          LocalPref   MED

      Nexthop                          Path-Id    VPNLabel
      As-Path
--------------------------------------------------------------
u*>i  192.168.1.0/27                   200         None
      10.10.10.5                       None        -
      65541
i     192.168.1.0/27                   100         None
      10.10.0.6                        None        -
      65541
```

C- Option C

```
Flag  Network                        LocalPref  MED

      Nexthop                        Path-Id    VPNLabel
      As-Path
-----------------------------------------------------------------
u*>i  192.168.1.0/27                 200        None
      10.10.10.5                     None       -
      65541
i     192.168.1.0/27                 100        None
      10.10.0.6                      None       -
      65541
```

D- Option D

```
Flag  Network                        LocalPref  MED

      Nexthop                        Path-Id    VPNLabel
      As-Path
-----------------------------------------------------------------
u*>i  192.168.1.0/27                 200        None
      10.10.10.5                     None       -
      65541
i     192.168.1.0/27                 100        None
      10.10.0.6                      None       -
      65541
```

Answer:

C

Question 3

Which of the following statements regarding route reflectors is TRUE?

Options:

A- Route reflectors propagate BGP learned routes to their clients.

B- Route reflectors require 'n' iBGP sessions, where 'n' is the number of BGP routers in the AS.

C- Route reflectors disable iBGP split horizon for all iBGP peers in the AS.

D- Route reflectors do not work in conjunction with confederations.

Answer:

A

Question 4

Which regular expression will match the AS Path of a route originating in remote AS 65100?

Options:

A- '.+ 65100'
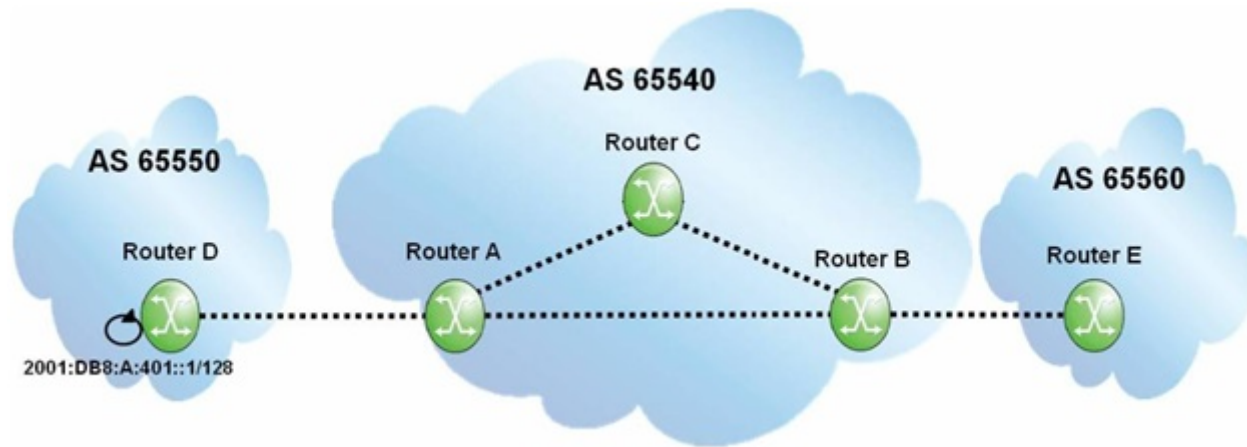
B- '65100.+'

C- '.* 65100.*'

D- '65100'

Answer:

A

Question 5

Question Type: **MultipleChoice**

Click the exhibit.

AS 65540

Router C

AS 65550

AS 65560

Router D

Router A

Router B

Router E

2001:DB8:A:401::1/128

Assume all router-IDs are properly configured, and IPv6 link-local addresses are used to establish all eBGP sessions. Given the following iBGP configuration on router A, what is the Next Hop for prefix 2001:DB8:A:401::1/128 on router B?

```
group "IPv6_iBGP"
    family ipv6
    peer-as 65540
    neighbor 2001:DB8:2::2
    exit
    neighbor 2001:DB8:3::3
    exit
exit
```

Options:

A- The IPv6 link-local address of the router D interface towards router A

B- The IPv6 link-local address of the router A interface towards router D

C- The IPv6 global address of router A

D- The IPv6 global address of router D

Answer:

C

Question 6

Question Type: MultipleChoice

Which of the following regarding BGP Path Identifier is FALSE?

Options:

A- Path-ID is a four-octet identifier pre-pended to the NLRI field of a BGP update.

B- Path-ID is an optional transitive attribute used to advertise multiple paths.

C- Path-ID uniquely identifies each path advertised to a neighbor.

D- A BGP speaker that re-advertises a route must generate its own Path-ID.

Answer:

B