Question 1

In the diagram, the BGP import policy "north-and-south" is applied to router R5. Router R1 advertises the prefix 140.100.1.0/24 with a community set to "65200:1". Which of the following statements about how router R5 processes the received route update for prefix 140.100.1.0/24 is TRUE?
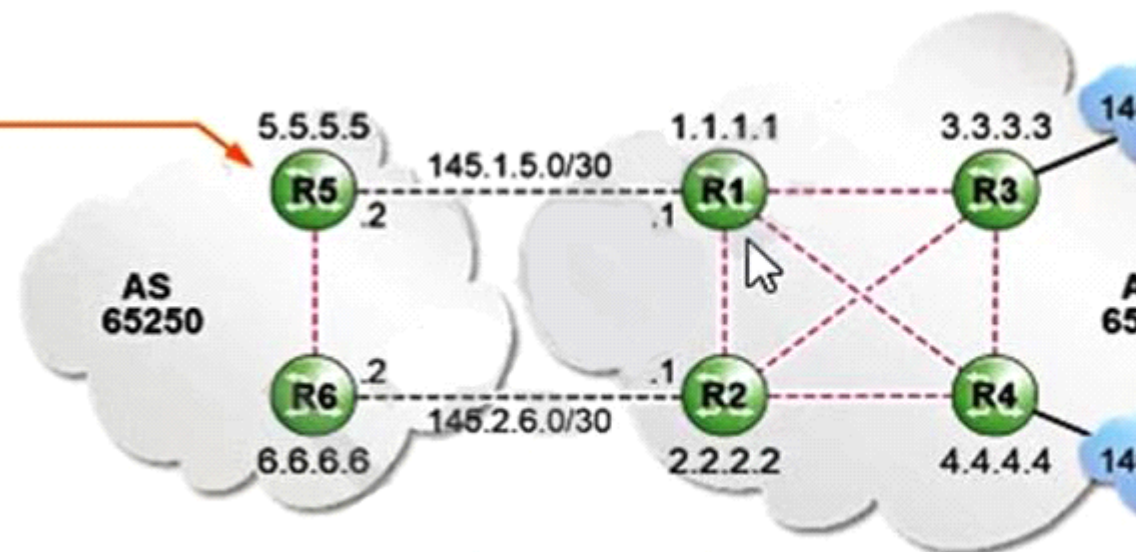
```
(ex)[configure policy-options]
A:admin@R5# info
    community "north" {
        member "65200:1" { }
    }
    community "south" {
        member "65200:2" { }
    }
    policy-statement "north-and-south" {
        entry 10 {
            from {
                community {
                    name "north"
                }
            }
            action {
                action-type accept
                local-preference 20
            }
        }
        entry 20 {
            from {
                community {
                    name "south"
                }
            }
            action {
                action-type accept
                local-preference 10
            }
        }
    }
```

```
(ex)[configure router "Base"]
A:admin@R5# info
    autonomous-system 65250
    ...
    bgp {
        group "eBGP" {
            peer-as 65200
            family {
                ipv4 true
            }
            import {
                policy ["north-and-south"]
            }
        }
        neighbor "145.1.5.1" {
            group "eBGP"
        }
    }
```

5.5.5.5 1.1.1.1 3.3.3.3 14

R5 145.1.5.0/30 R1 R3

.2 .1

AS
65250

R6 .2 .1 R2 R4 14

145.2.6.0/30

6.6.6.6 2.2.2.2 4.4.4.4 14

Legend:

- - - - - iBGP ses

- - - - - - eBGP se

Options:

A- The prefix is rejected.

B- The prefix's local preference is set to 20.

C- The prefix's community value is removed.

D- The prefix's community value is modified to 65200:2.

Answer:

D

Question 2

Question Type: MultipleChoice

An export policy is applied on a router to advertise a prefix to its eBGP peers. By default, which of the following updates are made to the route attributes?

Options:

A- LOCAL_PREFERENCE is set to 100.

B- NEXT_HOP is set to the neighbor router's interface IP address.

C- The local AS number is added to AS_PATH.

D- COMMUNITY is set to the local AS number.

Answer:

C

Question 3

Which of the following statements about the MED BGP path attribute is FALSE?

Options:

A- The MED BGP path attribute is transitive.

B- The MED BGP path attribute is optional.

C- Routes having lower values in their MED BGP path attribute are preferred.

D- The MED BGP path attribute's value is set by a router at the edge of an AS.

Answer:

D

Question 4

Question Type: **MultipleChoice**

A BGP router receives the following routes. Which route is selected as best route?

1: 192.169.20.0/24 with local preference 100, MED 150, AS Path 65300 65200 from an eBGP neighbor

2: 192.169.20.0/24 with local preference 100, MED 100, AS Path 63200 from an iBGP neighbor

3: 192.169.20.0/24 with local preference 200, MED 150, AS Path 65400 63200 from an iBGP neighbor

4: 192.169.20.0/24 with local preference 200, MED 100, AS Path 63700 from an eBGP neighbor

Options:

A- Route 1

B- Route 2

C- Route 3

D- Route 4

Answer:

B

Question 5

Which of the following statements about BGP peering sessions is FALSE?

Options:

A- BGP peers need IP reachability between them.

B- iBGP peers can be non-adjacent.

C- eBGP peers have to be adjacent to each other.

D- BGP peers can be configured with different AS numbers.

Question 6

Question Type: MultipleChoice

What kind of BGP path attribute is AS_PATH?

Options:

A- Optional transitive

B- Optional non-transitive

C- Well-known discretionary

D- Well-known mandatory

Answer:

D