JN0-663 ^{Q&As}

Service Provider Routing and Switching, Professional (JNCIP-SP)

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QUESTION 1

Which two statements are true about what a route reflector does by default when distributing routes it has received from reflector clients? (Choose two.)

A. It does not change any received BGP attributes.

B. It changes the default BGP attributes to inform peers that it is a route reflector.

C. It sets the next hop of all routes to "self" to prevent routing loops.

D. It adds its cluster ID to the client-received routes.

Correct Answer: AD

QUESTION 2

```
user@PE1> show route table vpna.mvpn.0
vpna.mvpn.0: 6 destinations, 9 routes (6 active, 1 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
1:10.1.1.1:1:10.1.1.1/240
 *[MVPN/70] 04:09:44, metric2 1
 Indirect
```

The route shown in the exhibit is an example of which type of next-generation MVPN route?

A. Type 1 Intra-AS inclusive MVPN membership discovery

B. Type 4 Selective MVPN autodiscovery route for leaf

C. Type 3 Selective MVPN autodiscovery route

D. Type 2 Inter-AS inclusive MVPN membership discovery

Correct Answer: A

Reference: https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/concept/type1intra-as-ad-routes-originating.html

QUESTION 3

```
[edit routing-instances vpn-x]
user@router# show
instance-type l2vpn;
interface ge-1/0/1.513;
interface ge-1/0/1.512;
route-distinguisher 192.168.1.2:1;
vrf-import import-vpn-x;
vrf-export export-vpn-x;
protocols {
    l2vpn {
        encapsulation-type ethernet-vlan;
        site ce-a {
            site-identifier 2;
            interface ge-1/0/1.512;
            interface ge-1/0/1.513;;
        }
    }
}
```
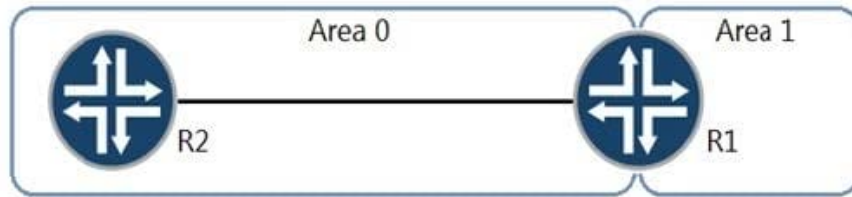
You have the Layer 2 VPN configuration shown in the exhibit. You are asked to determine the remote site ID for ge-1/0/1.512.

In this scenario, what is the remote site ID?

A. 4

B. 5

C. 1

D. 3

Correct Answer: C

QUESTION 4

```
users@R1> show ospf3 database inter-area-prefix detail

     OSPF3 database, Area 0.0.0.0
 Type      ID              Adv Rtr         Seq          Age    Cksum     Len
InterArPfx  0.0.0.11       172.16.1.1      0x80000001    4     0xaa9a    36
  Prefix 2001:db9:ffff:ff00::/64
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.12       172.16.1.1      0x80000001    4     0x8c6e    44
  Prefix 2001:db9:ffff:ff00::1/128
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.13       172.16.1.1      0x80000001    4     0xa899    36
  Prefix 2001:db9:ffff:ff01::/64
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.14       172.16.1.1      0x80000001    4     0x8a6d    44
  Prefix 2001:db9:ffff:ff01::1/128
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.15       172.16.1.1      0x80000001    4     0xa698    36
  Prefix 2001:db9:ffff:ff02::/64
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.16       172.16.1.1      0x80000001    4     0x886c    44
  Prefix 2001:db9:ffff:ff02::1/128
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.17       172.16.1.1      0x80000001    4     0xa497    36
  Prefix 2001:db9:ffff:ff03::/64
  Prefix-options 0x0, Metric 0
InterArPfx  0.0.0.18       172.16.1.1      0x80000001    4     0x866b    44
  Prefix 2001:db9:ffff:ff03::1/128
  Prefix-options 0x0, Metric 0
```

Referring to the exhibit, which command would reduce the size of the OSPF database and corresponding routes?

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A.
```
user@R1# show protocols ospf3
area 0.0.0.1 {
    area-range 2001:db9:ffff:ff00::/62;
}
```

B.
```
user@R1# show policy-options policy-statement summary-2001
term 10 {
    from {
        route-filter 2001:db9:ffff:ff00::/62 prefix-length-range /64-/128;
    }
    then accept;
}
user@R1# show protocols ospf3
area 0.0.0.0 {
    inter-area-prefix-import summary-2001;
}
```

C.
```
user@R1# show policy-options policy-statement summary-2001
term 10 {
    from {
        route-filter 2001:db9:ffff:ff00::/62 prefix-length-range /64-/128;
    }
    then accept;
}
user@R1# show protocols ospf3
area 0.0.0.1 {
    inter-area-prefix-export summary-2001;
}
```

D.
```
user@R1# show protocols ospf3
area 0.0.0.1 {
    stub no-summaries;
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 5

```
user@router> show bgp summary
Threading mode: BGP I/O
Groups: 1 Peers: 1 Down peers: 0
Table          Tot Paths  Act Paths  Suppressed  History  Damp State    Pending
inet.0
                   0          0          0          0           0           0
Peer              AS      InPkt     OutPkt   OutQ    Flaps Last Up/Dwn
State|#Active/Received/Accepted/Damped...
192.168.1.2       64512       33         33      0        1      14:11 Establ
  inet.0: 0/0/0/0

user@router> show route advertising-protocol bgp 192.168.1.2

user@router>

user@router> show configuration protocols bgp
group northstar {
    type internal;
    local-address 192.168.1.1;
    family inet {
        unicast;
    }
    neighbor 192.168.1.2;
}
```

You are troubleshooting BGP routing issues between two MX Series routers. The BGP session is established but no BGP routes are being communicated.

What are two reasons for this problem? (Choose two.)

A. The peer type should be external.

B. No active BGP routes are in the inet.0 table.

C. The peers are in different ASs.

D. No export routing policy is applied.

Correct Answer: BD

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