JN0-663 Q&As

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

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QUESTION 1

```
user@router> show ospf database router detail advertising-router 192.168.1.4
    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr           Seq      Age  Opt   Cksum  Len
Router  *192.168.1.4      192.168.1.4       0x80000009  128  0x22  0xa728  84
  bits 0x2, link count 5
  id 10.1.15.33, data 10.1.15.33, Type Transit (2)
    Topology count: 0, Default metric: 1
  id 10.1.15.37, data 10.1.15.38, Type Transit (2)
    Topology count: 0, Default metric: 1
  id 192.168.1.2, data 10.1.15.30, Type PointToPoint (1)
    Topology count: 0, Default metric: 1
  id 10.1.15.28, data 255.255.255.252, Type Stub (3)
    Topology count: 0, Default metric: 1
  id 192.168.1.4, data 255.255.255.255, Type Stub (3)
    Topology count: 0, Default metric: 0
  Topology default (ID 0)
    Type: PointToPoint, Node ID: 192.168.1.2
      Metric: 1, Bidirectional
    Type: Transit, Node ID: 10.1.15.37
      Metric: 1, Bidirectional
    Type: Transit, Node ID: 10.1.15.33
     Metric: 1, Bidirectional
```

Referring to the exhibit, which two statements are true? (Choose two.)

A. This router is an ASBR.

B. There are two interfaces marked as passive.

C. There is one interface marked as passive.

D. This router is an ABR.

Correct Answer: AC

QUESTION 2

Which two statements regarding ingress replication in EVPN are correct? (Choose two.)

A. Ingress replication labels are learned from remote PEs through the EVPN Type-3 route.

B. Ingress replication relies on PIM to build the multicast replication tree.

C. Ingress replication is only supported in vrf-type routing instances.

D. Ingress replication will replicate all BUM traffic to all remote PEs in the EVI.

Correct Answer: AD

QUESTION 3

```
(65001)R1--------R2--------R3(65003)

[edit protocols bgp]
user@R2# show
group 65001 {
    neighbor 172.16.1.1 {
        peer-as 65001;
    }
}
group 65003 {
    neighbor 172.16.2.1 {
        peer-as 65003;
    }
}
local-as 65002;

[edit]
user@R2# show policy-options
policy-statement no-advertise {
    term 1 {
        then {
            community add no-advertise;
        }
    }
}
policy-statement no-export {
    term 1 {
        then {
            community add no-export;
        }
    }
}
policy-statement nhs {
    term 1 {
        then {
            next-hop self;
        }
    }
}
community no-advertise members no-advertise;
community no-export members no-export;
```

R2 is receiving a route from R1 and you must ensure that the route is not advertised to R3. Referring to the exhibit, which two configuration changes on R2 will solve the issue? (Choose two.)

A. Apply the no-export policy as an import policy under group 65001.

B. Apply the no-advertise policy as an export policy under group 65003.

C. Apply the no-export policy as an export policy under group 65003.

D. Apply the no-advertise policy as an import policy under group 65001.

Correct Answer: BD

QUESTION 4

You are establishing a Layer 3 VPN between two PE devices. Currently you have a single internal IPv4 BGP peering between the PE devices. You must ensure that the IPv4 and IPv6 routes from both CE devices are exchanged between these sites.

Which two statements are correct in this scenario? (Choose two.)

A. You must enable IPv6 tunneling on the LSPs between the PE devices.

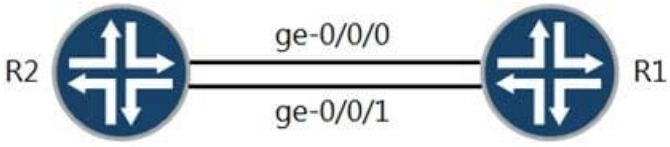
B. You must establish an IPv6 BGP peering between the two PEs.

C. You must enable the inet6-vpn NLRI on both PE devices.

D. You must enable the inet-vpn NLRI on both PE devices.

Correct Answer: CD

QUESTION 5




```
user@R2> show isis database extensive level 2
Header: LSP ID: R1.00-00, Length: 457 bytes
  Allocated length: 491 bytes, Router ID: 10.254.0.1
  Remaining lifetime: 1130 secs, Level: 2, Interface: 73
  Estimated free bytes: 0, Actual free bytes: 34
  Aging timer expires in: 1130 secs
  Protocols: IP, IPv6

Packet: LSP ID: R1.00-00, Length: 457 bytes, Lifetime : 1196 secs
  Checksum: 0xef18, Sequence: 0x1d, Attributes: 0x7 <L1 L2 Overload>
  NLPID: 0x83, Fixed length: 27 bytes, Version: 1, Sysid length: 0 bytes
  Packet type: 20, Packet version: 1, Max area: 0

TLVs:
  Area address: 49.0002 (3)
  LSP Buffer Size: 1492
  Speaks: IP
  Speaks: IPV6
  IP router id: 10.254.0.1
  IP address: 10.254.0.1
  IPv6 TE Router ID: 2001:db8::1
  Hostname: R1
  IS neighbor: R1.02, Internal, Metric: default 10
  IS neighbor: R1.03, Internal, Metric: default 10
  Extended IS Reachability TLV, Type: 22, Length: 90
  IS extended neighbor: R1.02, Metric: default 10 SubTLV len: 34
    IP address: 172.16.1.1
    IPv6 address: 2001:db8::1
    Local interface index: 73, Remote interface index: 0
  Router Capability: Router ID 10.254.0.1, Flags: 0x00
    IPv6 TE Router Id: 2001:db8::1
No queued transmissions
```

A network administrator is investigating why traffic from R2 is not being forwarded to R1.

Referring to the show isis database command output shown in the exhibit, what is causing this problem on the network?

A. R1 and R2 are in different IS-IS areas.

B. The preferred interface between R1 and R2 is experiencing errors.

C. R1 is configured to drop all incoming traffic.

D. R2 is ignoring specific LSPs from R1 in its SPF calculations.

Correct Answer: D