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Question 1

Which of the following about VPRN labels is FALSE?

Options:

A- The outer label allows traffic to transit across the MPLS network.

B- The inner label identifies the VPRN service.

C- MP-BGP is used to signal VPRN labels.

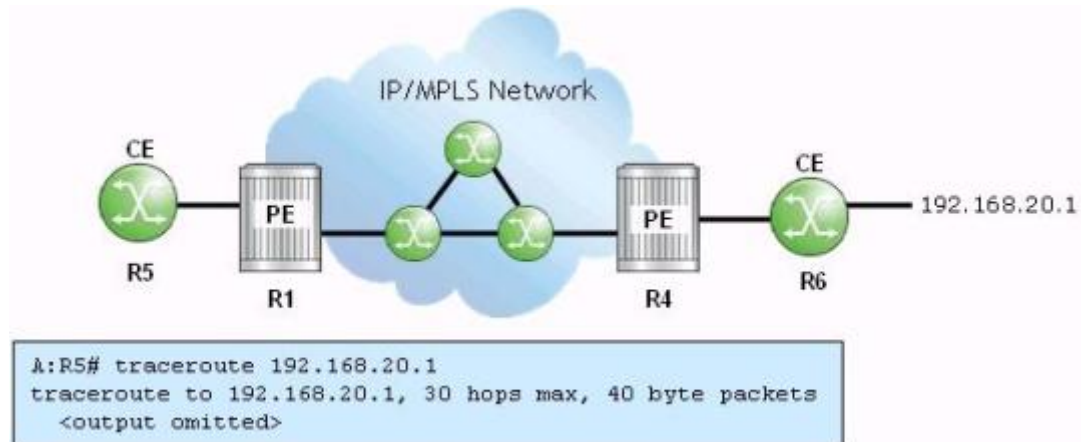**D-** The VPRN service label contains the customer's IP address.

Answer:

D

Question 2

Click the exhibit.


```
A:R5# traceroute 192.168.20.1
traceroute to 192.168.20.1, 30 hops max, 40 byte packets
  <output omitted>
```

R1 and R4 are providing a VPRN for the CEs. Which of the following about the traceroute run on router R5 is TRUE?

Options:

A- The traceroute will only show one hop: R5-R6.

B- The traceroute will only show 2 hops; R5-R1 and R4-R6.

C- The traceroute will only show 3 hops: R5-R1, R1-R4 and R4-R6.

D- The traceroute will show one hop for each router in the provider core and one for each CE-PE hop.

Answer:

C

Question 3

On the Nokia 7750 SR, which of the following statements about MP-BGP used for a VPRN is TRUE?

Options:

A- Routes from different customers with the same IPv4 address prefix are treated as equivalent by MP-BGP.

B- MP-BGP will advertise routes to other BGP sessions on the same PE without the need of policies.

C- The multi-protocol nature of MP-BGP allows VPRN routes to be converted into IPv4 routes in the provider core network.

D- MP-BGP is an enhanced version of BGP that can carry customer route prefixes for multiple VPRNs.

Answer:

D

Question 4

When using MP-BGP for an IPv4 VPRN service, what address family needs to be used for a PE-CE BGP session?

Options:

A- The VPN-IPv4 address family.

B- The IPv4 address family.

C- Either IPv4 or VPN-IPv4 address families can be configured.

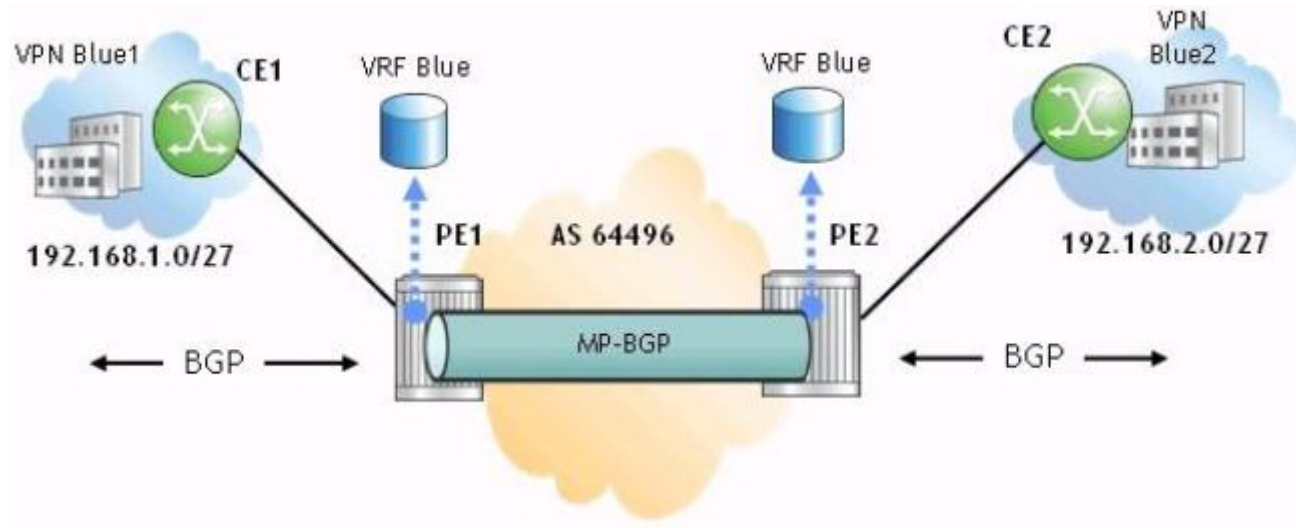**D-** The same address family must be used for the provider network and the PE-CE.

Answer:

B

Question 5

Click the exhibit.

Assuming CE1 exports its system address using BGP, is a routing policy required on PE1 to advertise CE1's system address to PE2?

Options:

A- Yes, A routing policy is required to advertise routes between PE routers in a VPRN regardless of the CE-PE routing.

B- Yes, A routing policy is required in this case because BGP is used as the PE-CE routing protocol.

C- No, a routing policy is not required. By default, the Nokia 7750 SR will advertise all VPRN routes between PE routers.

D- No, a routing policy is not required on PE1, but an import policy is required on PE2.

Answer:

C

Question 6

On an Nokia 7750 SR, why must the MTU be explicitly set when configuring an IES spoke termination to a VPLS?

Options:

A- By default, a VPLS signals an MTU based on the network port.

B- By default, an IES sets its ip-mtu to the VC MTU of the VPLS.

C- By default, an IES uses an MTU value based on its SAP.

D- By default, an IES uses an MTU based on the network port.

Answer:

D

Question 7

Click the exhibit.

```
Rtr>config>router>bgp# info
------------------------------------------------
            local-as 64497
            group "group"
                 family ipv6
                 neighbor 2001:DB8:11::1
                      export "direct-bgp"
                      peer-as 64496
                 exit
            exit
            no shutdown
------------------------------------------------
```

This output is from a router that is part of a 6VPE deployment using a VPRN. Which type of router would this configuration be found on?

Options:

A- A CE router.

B- A P router.

C- A PE router.
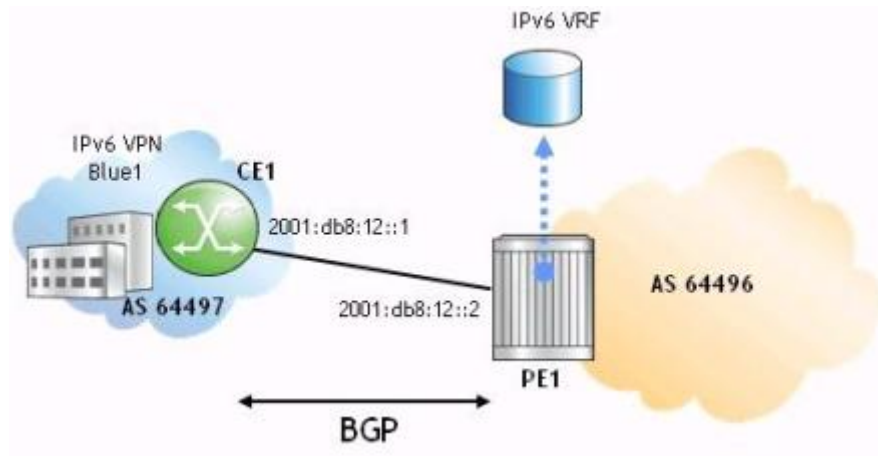
D- Both P and PE routers.

Question 8

Click the exhibit.

Part of a 6VPE deployment is shown in this exhibit. Which of the following is the correct configuration and context on PE1 for a BGP peering session with CE1?

A. PE1>config>service>vprn>bgp# info
----
       group "toCE1"
          family ipv6
          export "mbgp-bgp"
          neighbor 2001:db8:12::1
             peer-as **64497**
          exit
       exit

B. PE1>config>service>vprn>bgp# info
----
       group "toCE1"
          family ipv6
          export "mbgp-bgp"
          neighbor 2001:db8:12::1
             peer-as **64496**
          exit
       exit

C. PE1>config>router>bgp# info
----
       group "toCE1"
          family ipv6
          export "mbgp-bgp"
          neighbor 2001:db8:12::1
             peer-as **64497**
          exit
       exit

D. PE1>config>router>bgp# info
----
       group "toCE1"
          family ipv6
          export "mbgp-bgp"
          neighbor 2001:db8:12::1
             peer-as **64496**
          exit

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

A

Question 9

Question Type: **MultipleChoice**

On an Nokia 7750 SR, which of the following about IES interfaces is FALSE?

Options:

A- An IES can only have one interface.

B- An IES interface can have an SDP or a SAP.

C- An IES can perform fragmentation.

D- An IES must have an IP address assigned to it.

Answer:

A