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Question 1

Question Type: MultipleChoice

Which of the following is TRUE when a service uses a GRE transport tunnel?

Options:

A- The service takes a route determined by the IGP.

B- The tunnel does not use a service label.

C- The service label is swapped at each hop in the transport network.

D- The tunnel is bidirectional and only requires configuration at one end of the service.

Answer:

A

Question 2

Question Type: MultipleChoice

Which of the following about SDPs is TRUE?

Options:

A- SDP IDs must be locally unique.

B- SDPs are specific to one service type.

C- SDPs must use MPLS for their encapsulation.

D- An SDP is required for a local service.

Answer:

A

Question 3

Question Type: **MultipleChoice**

Which protocol can be used to signal the outer label for a VPN service?

Options:

A- IPCP

B- LDP

C- PPP

D- TLDP

Answer:

B

Question 4

Question Type: **MultipleChoice**

Which of the following about 6VPE is FALSE?

Options:

A- To advertise VPN-IPv4 and VPN-IFV6 routes, two MP-BGP sessions are required.

B- PE routers must support both IPv4 and IPv6 addresses; customer routers can use either one.

C- MP-BGP is used to advertise IPv6 prefixes and the associated VPRN labels.

D- The provider core routers are IPv6-unaware.

Answer:

A

Question 5

Question Type: MultipleChoice

Which of the following about VPRNs is FALSE?

Options:

A- A VPRN is a Layer 3 service.

B- A PE maintains a separate forwarding table for each VPRN.

C- The service provider manages the customers IP addressing.

D- Multiple VPRNs can be deployed over the same IP/MPLS network infrastructure.

Answer:

C

Question 6

Question Type: MultipleChoice

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.

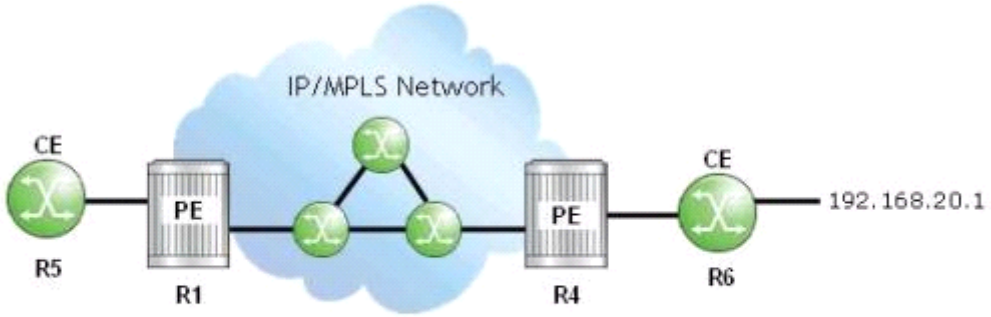
Answer:

D

Question 7

Question Type: MultipleChoice

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 8

Question Type: MultipleChoice

On the Alcatel-Lucent 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

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