Question 1

A VPLS has a service MTU of 1600. To create an IES spoke termination to the VPLS, what ip-mtu value must be used for the IES?

Options:

A- 1586

B- 1596

C- 1600

D- 1614

Answer:

A

Question 2

What Alcatel-Lucent 7750 SR OAM tool can be used to verify the end-to-end connectivity of a service?

Options:

A- Sdp-ping

B- Isp-ping

C- Svc-ping

D- Sdp-mtu

Answer:

C

Question 3

Question Type: MultipleChoice

What happens by default on an Alcatel-Lucent 7750 SR when a VPLS accepts a tagged frame at the ingress SAP 1/1/1:100?

Options:

A- The FCS is verified and kept in the customer frame. The VLAN tag is kept and transported over the network.

B- The FCS is verified and kept in the customer frame. The VLAN tag is removed for transport over the network.

C- The FCS is verified and removed from the frame. The VLAN tag is kept for transport over the network.

D- The FCS is verified and removed from the frame. The VLAN tag is removed for transport over the network.

Answer:

D

Question 4

Question Type: **MultipleChoice**

A network consists of four PE routers. A customer requires a VPLS and has sites connected to each PE. The VPLS is fully meshed using IP/MPLS. How many SDPs must be configured on each PE?

Options:

A- 3

B- 4

C- 6

D- 8

Answer:

A

Question 5

Which of the following about VPLS MAC learning is TRUE?

Options:

A- Mesh SDPs assist MAC learning by flooding traffic to other mesh SDPs.

B- A PE keeps a single FDB for all VPLSes it has.

C- Frames received on a SAP that are broadcast, multicast or unknown are flooded.

D- The FDB only stores the MAC addresses of remote sites.

Answer:

C

Question 6

Question Type: MultipleChoice

Which of the following about SDPs is FALSE?

Options:

A- An SDP is not required for a local service.

B- A single SDP can carry different types of services.

C- An SDP can simultaneously support GRE and MPLS encapsulation.

D- An SDP can use the system IP address to indicate the far-end router.

Answer:

C

Question 7

Which of the following about VPRN VRF tables is FALSE?

Options:

A- A PE uses the same VRF table for all the VPRN services on it.

B- A PE uses a VRF to maintain forwarding information.

C- Information for VRFs can be advertised between PEs by MP-BGP.

D- A PE uses a VRF to route traffic to CEs.

Answer:

A

Question 8

Click the exhibit.

```
R1# show router 100 fib 1

=======================================================================
FIB Display
=======================================================================
Prefix                                             Protocol
    NextHop
-----------------------------------------------------------------------
10.1.5.0/24                                        [          ]
    10.1.5.0 (R1-R5)
10.6.4.0/24                                        [          ]
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
10.10.10.5/32                                      [          ]
    10.1.5.5 Indirect (R1-R5)
10.10.10.6/32                                      [          ]
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
192.168.10.0/24                                    [          ]
    10.1.5.5 Indirect (R1-R5)
192.168.20.0/24                                    [    ?     ]
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
-----------------------------------------------------------------------
Total Entries : 6
```

The output is from PE router R1 about VPRN service 100. From which protocol did router R1 learn the prefix 192.168.20.0/24?

Options:

A- LDP

B- BGP

C- MP-BGP

D- MPLS

Question 9

Question Type: MultipleChoice

Click the exhibit.

```
R1# show router 100 fib 1

==========================================================================
FIB Display
==========================================================================
Prefix                                                    Protocol
    NextHop
--------------------------------------------------------------------------
10.1.5.0/24                                               LOCAL
    10.1.5.0 (R1-R5)
10.6.4.0/24                                               BGP_VPN
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
10.10.10.5/32                                             BGP
    10.1.5.5 Indirect (R1-R5)
10.10.10.6/32                                             BGP_VPN
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
192.168.10.0/24                                           BGP
    10.1.5.5 Indirect (R1-R5)
192.168.20.0/24                                           BGP_VPN
    10.10.10.4 (VPRN Label:131065 Transport:LDP)
--------------------------------------------------------------------------
Total Entries : 6
```

Based on this output from PE router R1, how many other PEs are participating in the VPRN?

Options:

A- 0

B- 1

C- 2

D- 3

Answer:

B