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**Exam** : **4A0-105**

**Title** : Alcatel-Lucent Virtual  
Private LAN Services

**Vendor** : Alcatel-Lucent

**Version** : DEMO

NO.1 To reduce the amount of flooding between PE devices which of the following steps should be taken?

- A. Configure the local age timer to be larger.
- B. Configure the local age timer to be lower.
- C. Configure the remote age timer to be larger.
- D. Configure the remote age timer to be lower.

**Answer:** C

NO.2 When spanning tree is enabled within a VPLS service and the STP mode is 802.1D 2004 what happens if a PVST BPDU is received on a SAP?

- A. Spanning tree will be disabled on the SAP that the PVST BPDU was received on.
- B. The SAP that the PVST BPDU was received on will be disabled to prevent loops.
- C. The spanning tree encapsulation will be dynamically changed to PVST on the SAP the PVST BPDU was received on.
- D. The PVST BPDU will be ignored and 802.1D 2004 BPDUs will continue to be transmitted on the SAP.

**Answer:** C

NO.3 What is the default remote-age timer of a B-VPLS?

- A. The same timer is used in all VPLS types.
- B. Higher than the default timer of an I-VPLS.
- C. Lower than the default timer of an I-VPLS.
- D. The same timer as an I-VPLS.

**Answer:** C

NO.4 How does the IEEE 802.1ag loopback function differ from the loopback feature in 802.3ah? (Choose 2)

- A. The loopback function in 802.1ag is an intrusive test that will stop customer data.
- B. The loopback function of 802.1ag is a non-intrusive "ping" sent from a MEP to a remote MEP or MIP.
- C. The loopback function in 802.3ah is an intrusive test that will loop customer data.
- D. The loopback function of 802.1ag is an intrusive test that will "loop" all customer data back to the original sender.

**Answer:** B,C

NO.5 In IEEE 802.1ag, which two key functions are configured on bridge ports (SAPs and SDPs) to support CFM messages? (Choose 2)

- A. MEP
- B. MAP
- C. MIP
- D. MUP

**Answer:** A,C

NO.6 What is the default fdb size for a VPLS service?

- A. 100
- B. 1
- C. 25
- D. 250

**Answer:** D

NO.7 Which function of the IEEE 802.1 ag is used for responding to CFM messages but not originating them?

- A. MEP
- B. MAP
- C. MIP
- D. MUP

**Answer:** C

NO.8 Which of the following is a function of the data plane that must be considered when provisioning a VPLS service?

- A. Number of LSPs.
- B. Number of TLDP sessions.
- C. Number of SDPs.
- D. MAC address consumption in the FDB.
- E. Bandwidth and replication requirements.

**Answer:** E

NO.9 An I-VPLS can be associated with many B-VPLS services.

- A. TRUE
- B. FALSE

**Answer:** B

NO.10 What is the MTU impact on the SDP path-mtu if fast reroute facilities-mode is implemented on the LSP?

- A. There will be no impact on the path-mtu.
- B. The path-mtu will decrease by 4 bytes.
- C. The path-mtu will increase by 4 bytes.
- D. The path-mtu will decrease by 8 bytes.
- E. The path-mtu will increase by 8 bytes.

**Answer:** B

NO.11 If the max remote-age timer of a B-VPLS is reached, what happens to the remotely learned MAC addresses in the I-VPLS service?

- A. There is no effect. The MAC addresses for the I-VPLS age out independently of the aging of B-VPLS addresses.
- B. The MAC addresses for the I-VPLS will age out immediately following the remote-age out of the backbone-macs of the B-VPLS.
- C. By default, the remote-age timer of the B-VPLS is configured to 0 and addresses do not age out.

The I-VPLS uses its own timer.

D. The same timer is used for B-VPLS and I-VPLS addresses on the node.

**Answer:** B

NO.12 Why is MAC explosion a factor to be considered when designing a large VPLS network? (Choose 2)

A. The time to relearn thousands of MAC addresses may result in excessive flooding or loss of packets.

B. If the FDB reaches the limit, the router will discard frames.

C. Discarding frames when the FDB limit is reached could deny SLA guarantees.

D. It could take several seconds to relearn thousands of MAC addresses denying QoS/SLA guarantees.

**Answer:** A,D

NO.13 Why should you configure send-flush-on failure on your PE routers when using active/standby pseudowires?

A. It flushes the local FDB speeding recovery

B. It discards all packets in the queue and sends icmp-discad messages to the sender. The packets are re-transmitted resulting in no loss of data.

C. On failure, the PE sends an LDP flush-all-from-me message to all PE devices in the VPLS. This speeds convergence to the new topology.

D. It is not important to use send-flush-on-failure as Active/Standby signalling automatically converges the FDB in all VPLS instances

**Answer:** C

NO.14 How is the Primary Bridge chosen in a VPLS?

A. The PE devices participating in the VPLSmesh run a separate Spanning Tree instance in the Core. The Primary Bridge is the Root Bridge for the VPLS mesh.

B. The PE devices participating in the VPLS mesh determine which bridge is closest to Root Bridge. This bridge becomes the Primary Bridge.

C. The PE devices participating in the VPLS mesh determine which bridge has the lowest bridge-id. This bridge becomes the Primary Bridge.

D. The PE devices participating in the VPLS mesh determine which bridge is the Root Bridge. This becomes the Primary Bridge.

**Answer:** B

NO.15 Click on the exhibit below.



CE-A is on VLAN 200 and CE-B is on VLAN 300. Which of the following SAP ids can be configured on PE-A and PE-B to allow direct communication between CE-A and CE-B?

- A. PE-A will require a SAP id of "sap 1/1/1:200" and PE-B will require a SAP id of "sap 1/1/1:300".
- B. PE-A will require a SAP id of "sap 1/1/1" and PE-B will require a SAP id of "sap 1/1/1".
- C. PE-A will require a SAP id of "sap 1/1/1:0" and PE-B will require a SAP id of "sap 1/1/1:0".
- D. PE-A will require a SAP id of "sap 1/1/1:\*" and PE-B will require a SAP id of "sap 1/1/1:\*".

**Answer:** A