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Alcatel-Lucent

4A0-105

Alcatel-Lucent Virtual Private LAN Services



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- A. The frame will be forwarded out the port associated with the DA.
- B. The frame will be discarded.
- C. The frame will be flooded to all ports.
- D. The frame will be fragmented and forwarded out the port associated with the DA.

Answer: B

QUESTION: 144

A router has just learned the 10th MAC address while the FDB size is also set to 10. What is the likely outcome?

- A. The frame is dropped.
- B. The frame is always flooded
- C. The frame is forwarded and MAC learning is automatically disabled.
- D. The frame is discarded if the destination is unknown.
- E. More information is required to determine the fate of this new frame.

Answer: C

QUESTION: 145

Which of the following must be true in order to add a port to a LAG? (Choose 2)

- A. ports must be on the same MDA
- B. ports must have the same speed and duplex settings
- C. autonegotiation must be on
- D. autonegotiation must be off or limited
- E. port must be in access mode only

Answer: B, D

QUESTION: 146

How does PBB forward broadcast, unknown-unicast and multicast traffic from a B-VPLS to an I-VPLS?

- A. The receiving PE checks the I-TAG in the I-SID to determine if there is a local I-VPLS on the node.
- B. The receiving PE checks the I-SID in the I-TAG to determine if there is a local I-VPLS on the node.

- C. The receiving PE checks the service label in the mpls header to determine if there is a local I-VPLS on the node.
- D. The receiving PE checks the multicast B-DA to see if an I-SID has been mapped to the B-DA that matches a local I-VPLS on the node.

Answer: D

QUESTION: 147

An MC-LAG is configured with default parameters. When a failed interface recovers, the active link reverts to the restored interface.

- A. TRUE
- B. FALSE

Answer: B

QUESTION: 148

The following question relates to this command syntax: "config>service# vpls 9000 customer 6 create". Which of the following statements are correct? (Choose 2)

- A. The customer-id in this command is 9000.
- B. The service-id in this command is 9000.
- C. This value 9000 should be unique across the network as a best practice.
- D. The vc-id will be 6 for the service by default.
- E. The egress vc-label will be 9000.

Answer: B, C

QUESTION: 149

Which of the following statements about a management VPLS are true? (Choose 2)

- A. A management VPLS carries customer traffic over the non-blocking spoke-SDP
- B. A VPLS service must be defined as a management VPLS upon creation to take on the role of a management VPLS
- C. The state of a spoke-SDP within a user VPLS will take on the state of the spoke-sdp within the management VPLS.
- D. The management VPLS must be created before the user VPLS.

Answer: B, C

QUESTION: 150

What action will be taken when an MPLS router receives a frame with a label that does not exist in the LFIB?

- A. The frame will be flooded.
- B. The frame will be discarded.
- C. The frame will be fragmented.

Answer: B

QUESTION: 151

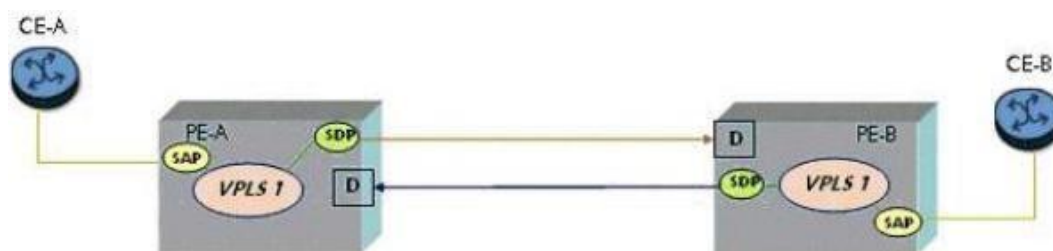
An I-VPLS can be associated with many B-VPLS services.

- A. TRUE
- B. FALSE

Answer: B

QUESTION: 152

Click on the exhibit below.



Assume PE-B expects avian tag as part of the RFC 4762 (Martini) encapsulation. How must PE-A be configured?

- A. The port that the SAP belongs to must have the correct ether type configured.
- B. The SAP must be configured with the right VLAN tag.
- C. The SDP VC type must be configured as type VLAN and the correct vlan-vc-tag must be specified.
- D. All of the above.

Answer: C

QUESTION: 153

An l-VPLS is configured with a service id of 511. What will the value of the l-SID be assuming a default configuration?

- A. The l-SID must be explicitly configured.
- B. The l-SID only supports a range from 1 to 255.
- C. The l-SID will default to 511 .the value of the service-id.
- D. The l-SID will default to 131582, the value of the service-id + 131071.

Answer: C

QUESTION: 154

In RSTP, how is the root bridge selected?

- A. The switch with the highest bridge-id is selected as root.
- B. The switch with the lowest bridge-id is selected as root.
- C. The switch with the highest MAC address is selected as root.
- D. The switch with the lowest MAC address is selected as root.

Answer: B

QUESTION: 155

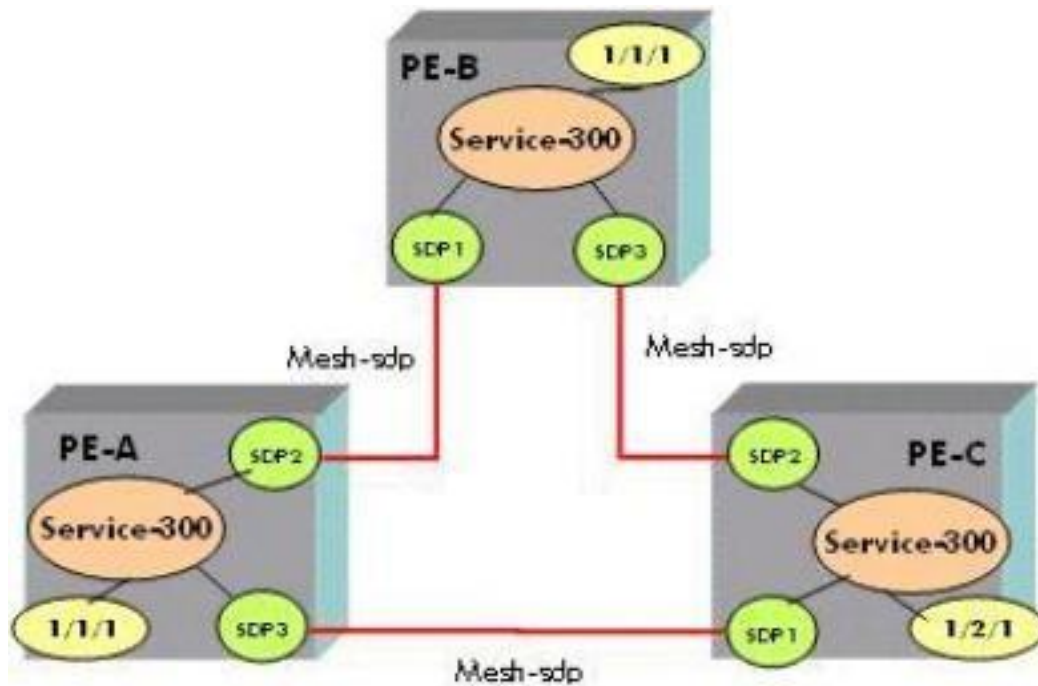
Which of the following needs to be considered when designing Ethernet networks with redundancy?

- A. Processing the TTL takes extra time.
- B. MAC learning rate is doubled.
- C. FDB size is doubled.
- D. Requires a protocol to remove loops.

Answer: D

QUESTION: 156

Click on the exhibit below.



A new router named PE-D is to be directly connected to PE-C and is required to be added to the existing VPLS 300. The design requires the least amount of signaling, the least amount of configuration changes for existing sites and the new site has to have access to all existing sites. How should the new site be added to VPLS 300?

- A. Configure a mesh-sdp between all existing PE routers and the new PE router
- B. Configure a mesh-sdp between PE-C and PE-D
- C. Configure a spoke-sdp between PE-C and PE-D.
- D. It is not possible to meet the design requirements.

Answer: C



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