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Nokia Virtual Private LAN Services

Alcatel-Lucent 4A0-105

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Topic Break Down

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QUESTION NO: 1

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 NO: 2

How many designated ports are there in a spanning tree topology?

- A. The same as the number of alternate ports in the topology
- B. 1 per segment
- C. The same as the number of root ports
- D. 1 per switch

ANSWER: B

QUESTION NO: 3

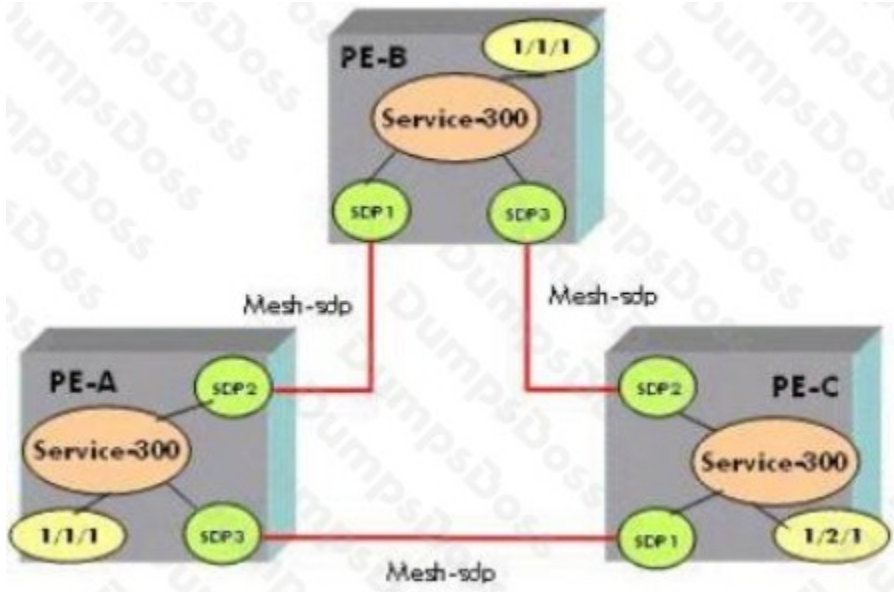
Which of the following are true when ports are configured with the IEEE 802.3ah Loopback Control feature? (Choose 3)

- A. The loopback control PDU instructs the remote port to enter loopback mode.
- B. Putting a port in loopback does not affect customer data flow
- C. Both ports must rediscover the OAM capabilities of each other once the port is put back into service.
- D. Both ports must still send Information PDUs to avoid going back to discovery mode.
- E. When a port is in loopback mode, service mirroring will still work if it is a mirror-source or mirror-destination.
- F. All packets, except for information PDUs, are looped back.

ANSWER: A D F

QUESTION NO: 4

Click on the exhibit below.



Assume a CE router is connected to the SAP of each PE. The arp cache of all CE routers is empty and the FDB for VPLS 300 is empty. The CE router connected to PE-A initiates a ping towards the CE router connected to PE-C. The ping is successful. Which of the following statements are true? (Choose 2)

- A. The FDB on PE-A will contain entries for all CE routers.
- B. The FDB on PE-B will contain an entry for the CE router connected to PE-A.
- C. The FDB on PE-B will contain an entry for all CE routers.
- D. The FDB on PE-C will contain entries for the CE router connected to PE-A and the CE router connected to PE-C.

ANSWER: B D

QUESTION NO: 5

Fill in the blank for this next sentence. Flooded traffic received on any _____ in the service is replicated to other spoke SDPs and SAPs and not transmitted on any mesh SDPs.

- A. Spoke SDP
Either (a) or (b) will make this sentence true.
- B. Mesh SDP
- C. Neither (a) nor (b) will make this sentence true.

ANSWER: B

QUESTION NO: 6

Which of the following is a true statement?

- A. In a dynamic environment where MAC addresses are changing rapidly, the lower the age-time, the larger the fdb-table-size should be.
- B. In a dynamic environment where MAC addresses are changing rapidly, the higher the age-time, the larger the fdb-table-size should be.
- C. In a dynamic environment where MAC addresses are changing rapidly, the higher the age-time, the smaller the fdb-table-size should be.
- D. There is no relationship between the age-time and the fdb-table-size.

ANSWER: B

QUESTION NO: 7

Why are provisioning requirements a factor that influence VPLS design? (Choose 2)

- A. Adding or removing a node may require several network touches.
- B. Adding or removing a SAP may require several network touches.
- C. Adding or removing a service may require several network touches.
- D. Adding or removing an Epipe may require several network touches.
- E. Provisioning is a factor for all Ethernet services.

ANSWER: A C

QUESTION NO: 8

When a PE node receives a PBB encapsulated frame on a B-VPLS, how does the PE determine which I-VPLS it belongs to?

- A. The I-TAG in the I-SID is inspected to determine where the frame should be delivered.
- B. When the B-MAC header is stripped the customer MAC address is then looked up in the FDB
- C. The I-SID in the I-TAG is inspected to determine where the frame should be delivered.
- D. The PE inspects the service label in the MPLS header before stripping the B-MAC header.

ANSWER: C

QUESTION NO: 9

Click on the exhibit below.

```
vpls 1 customer 1 m-vpls
  stp
    mode mstp
    no shutdown
  exit
  sap 1/1/4:0
  sap 1/1/5:0
  sap 1/1/6:0
  mesh-sdp 54:1
```

Based on the following configuration which VLANs will be managed by the management VPLS?

- A. VLANs 1-4094
- B. VLAN 0
- C. There is not enough information provided
- D. None, this is an invalid configuration

ANSWER: A

QUESTION NO: 10

A customer has requested a VPLS service. The customer is using dot1q encapsulation and they have requested that all vlan tags be transparently passed. Which two SAP IDs will accept VLAN tags and pass them transparently? (Choose 2)

- A. sap 1/1/1
- B. sap 1/1/1:0*
- C. sap 1/1/1:0
- D. sap 1/1/1.*

ANSWER: A D