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Vendor:Alcatel-Lucent

Exam Code:4A0-105

Exam Name:Alcatel-Lucent Virtual Private LAN
Services

Version:Demo

QUESTION 1

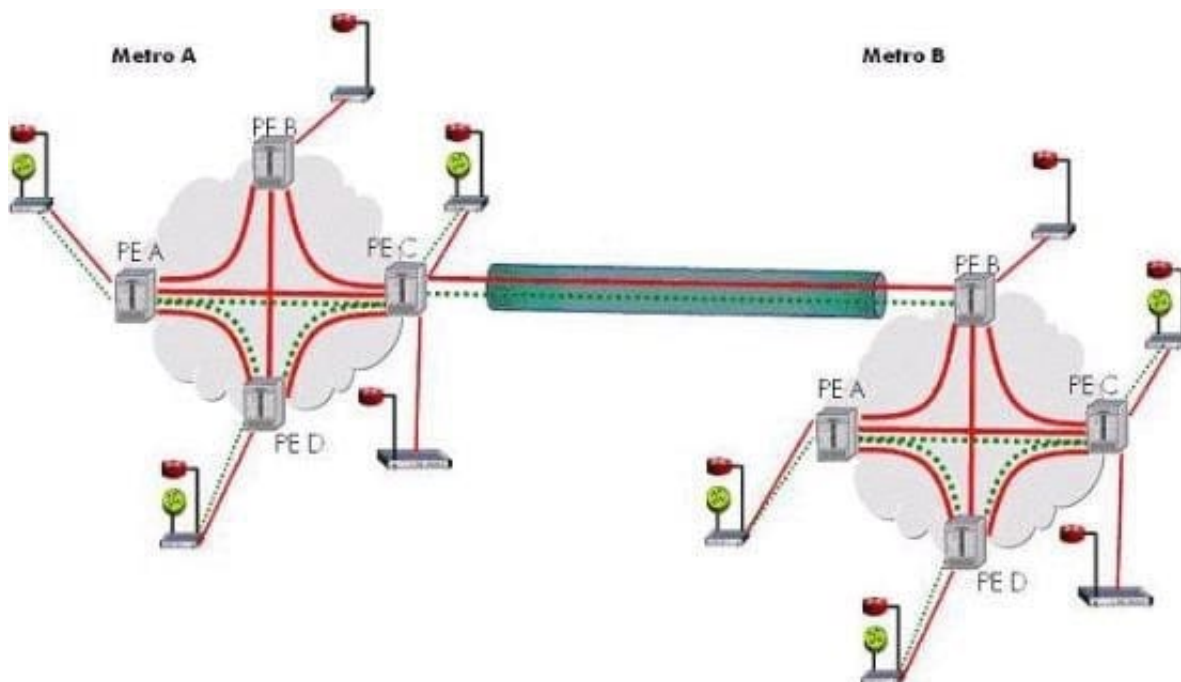
Which of the following statements is true?

- A. Filter Policies can only be applied on egress.
- B. An IP filter can be applied on ingress at the same time a MAC filter is applied on the egress of the SAP.
- C. Filter Policies can be based on IP, MAC, and VPI/VCI addresses.
- D. Any number of ingress and egress filter policies can be associated with a SAP.
- E. An IP filter and a MAC filter can be applied on the ingress SAP at the same time.
- F. None of the above.

Correct Answer: B

QUESTION 2

Click on the exhibit below.



Assuming there is a full mesh of mesh-SDPs between the PEs within each metro network and a spoke-SDP between PE-C of Metro A and PE-B of Metro B. how is traffic forwarded from PE-A in Metro A to PE-D of Metro B? Select the most accurate statement.

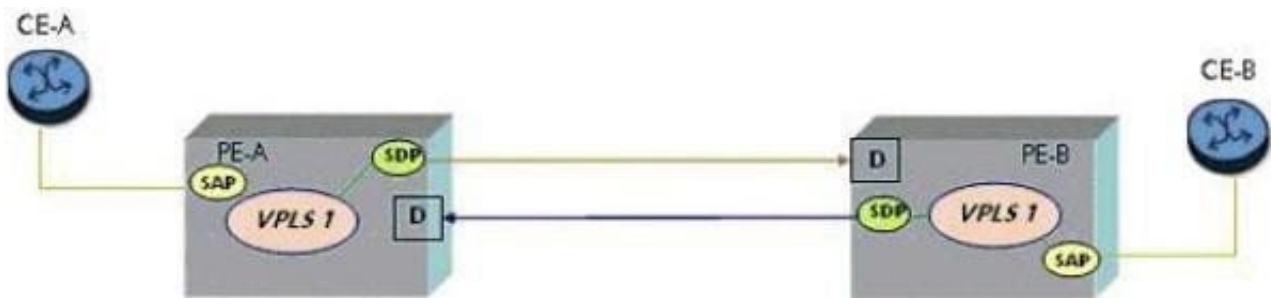
- A. An LSP must be configured between PE-A and PE-D for this traffic to be forwarded.
- B. A VPLS FDB lookup is done at PE-A of Metro A only

- C. An SDP must be configured between PE-A of Metro A and PE-D of Metro D for this traffic to be forwarded
- D. A VPLS FDB lookup is done at PE-A and PE-C of Metro A and PE-B of Metro B

Correct Answer: D

QUESTION 3

Click on the exhibit below.



The SAP on PE-A has been configured with dot1q encapsulation. The SAP on PE-B has been configured with qinq encapsulation. CE-A sends frames with a single tag of 100. The VLAN tag from CE-A must be passed transparently. CE-B is expecting a frame with a top tag of 200 and bottom tag of 100. Which of the following is the correct SAP id for PE-B?

- A. sap 1/1/1:200.100
- B. sap 1/1/1:200*
- C. sap 1/1/1:*
- D. sap 1/1/1:0*

Correct Answer: B

QUESTION 4

In Rapid Spanning Tree Protocol, a Backup Port is on the same switch as a Designated Port?

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 5

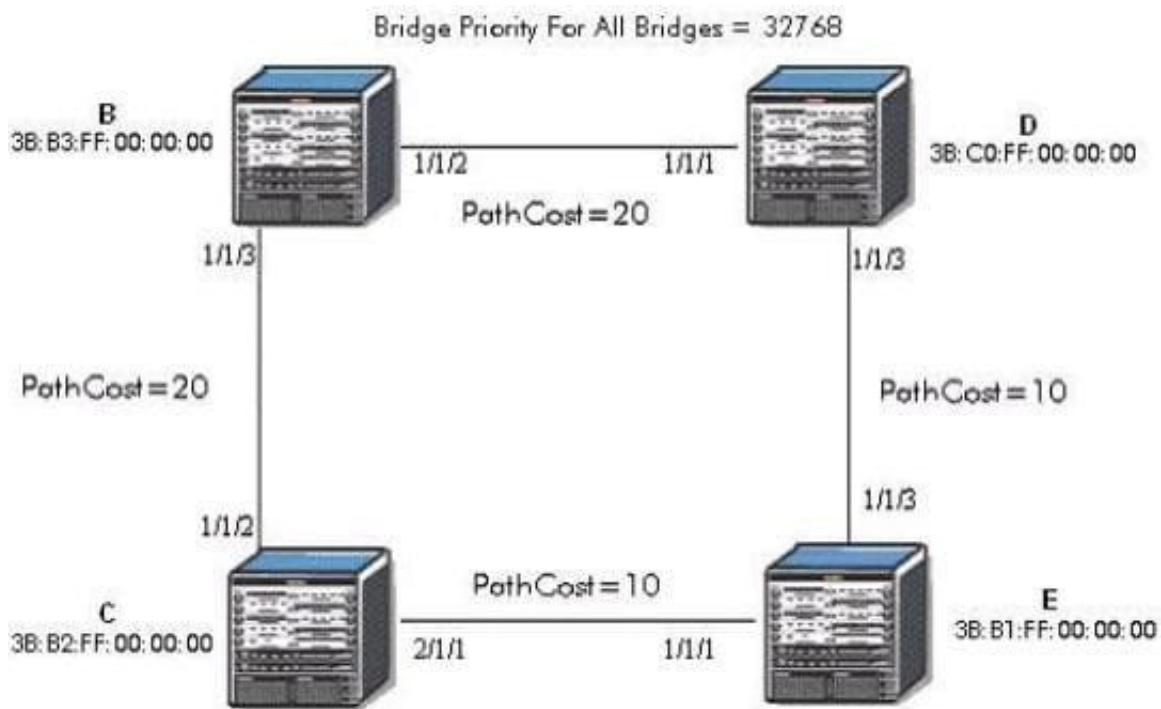
Consider a large metro-to-metro VPLS network interconnected with a mesh of mesh-SDPs. Which of the following statements does NOT apply to this situation?

- A. Bandwidth and replication inefficiency can occur on inter-metro links if there is a lot of multicast traffic
- B. The number of control sessions grows exponentially in a fully meshed network.
- C. Spanning-tree is required to prevent loops when using mesh SDPs on the inter-metro links.
- D. Network touches increase with each node added to the mesh.

Correct Answer: C

QUESTION 6

Click on the exhibit below.



Which port will become the alternate port?

- A. Bridge B 1/1/3
- B. Bridge B 1/1/2
- C. Bridge C 1/1/2
- D. Bridge C 2/1/1
- E. Bridge D 1/1/1
- F. Bridge D 1/1/3

G. Bridge E 1/1/1

H. Bridge E 1/1/3

Correct Answer: B

QUESTION 7

What is the default service-mtu for a VPLS service?

A. 1500

B. 1514

C. 1518

D. It depends on the access port MTU.

E. It depends on the network port MTU.

Correct Answer: B

QUESTION 8

What scaling factors should a network engineer be aware of when designing VPLS networks? (Choose 3)

A. Control plane scaling.

B. Data plane scaling.

C. Network touches.

D. Route table reduction.

E. OAM tools.

Correct Answer: ABC

QUESTION 9

What of the following is a key benefit of Active/Standby pseudowires?

A. The MDU does not need to support MPLS.

B. Can be used in ring networks of 4 or more nodes

C. Does not require the use of a layer 2 loop prevention protocol such as RSTP

D. The MDU does not have to be aware of the active/standby configuration

Correct Answer: C

QUESTION 10

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.

Correct Answer: B

QUESTION 11

Click on the exhibit below.

```
ip-filter 40 create
  default-action forward
  entry 20 create
    match
      dst-ip 192.168.1.2/32
    exit
  action forward sdp 100:1
exit
exit
```

The following IP filter has been configured and applied to a SAP in a non-VPLS service. Which of the following statements is true?

- A. An error will be generated and the configuration will not be allowed.
- B. The filter entry will be ignored and traffic matching the criteria will be forwarded
- C. All traffic matching entry 20 will be dropped.
- D. Traffic matching entry 20 will be forwarded to sdp 100:1.

Correct Answer: C

QUESTION 12

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.

Correct Answer: B