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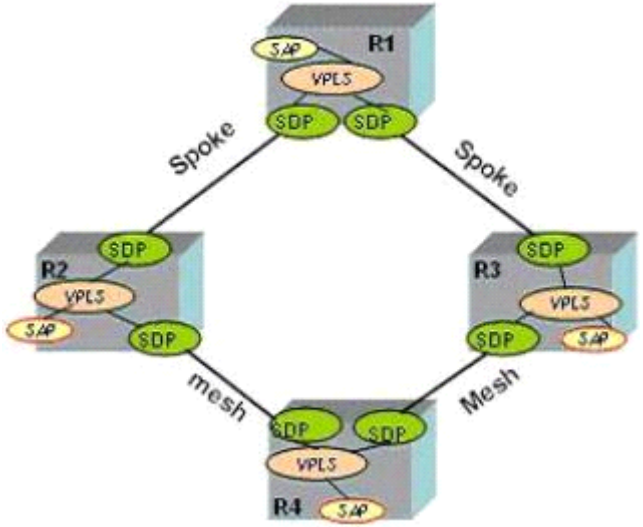
# Question 1

**Question Type:** MultipleChoice

Click on the exhibit below.




Which SDP on R3 will MAC addresses be associated with for devices behind R2?

## Options:

**A-** It depends if traffic is received via R4 or R1 from devices behind R2.

**B-** The devices cannot communicate based on the configuration in the diagram so there will be no mac address association.

**C-** Devices behind R2 will be associated with the sdp between R3 and R1.

**D-** Devices behind R2 will be associated with the sdp between R3 and R4.

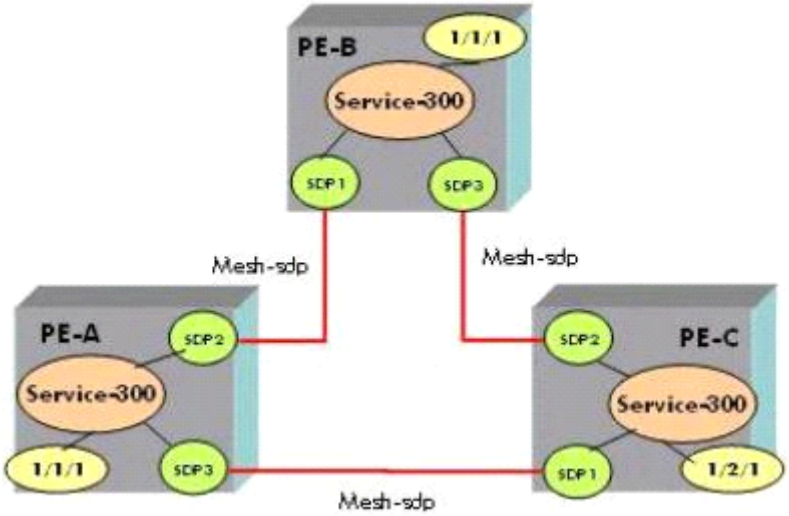
### Answer:

C

# Question 2

**Question Type:** **MultipleChoice**

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)

## Options:

**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 3

**Question Type:** MultipleChoice

Which of the following describes the overhead added to a customer frame on an Ethernet link in a VPLS service on the Alcatel-Lucent 7750 SR?

## Options:

**A-** The overhead consists of 26 bytes. 14 DLC + 2 Ethertype + 8 for mpls labels + 2 for GRE

**B-** The overhead consists of 14 bytes for DLC.

**C-** The overhead consists of 18 bytes. 14 DLC +4 for mpls labels

**D-** The overhead consists of 22 bytes. 14 DLC + 8 for mpls labels

## Answer:

D

# Question 4

**Question Type:** MultipleChoice

You are providing a customer two VPLS services in two different Metro networks. VPLS 500 has been configured in Metro 1 and VPLS 900 has been configured in Metro 2. The customer has requested that they have connectivity between the Metro Networks with their existing VPLS services. Which configuration on the PE routers linking the metro networks will allow for VPLS 500 and VPLS 900 to act as a single VPLS service? Assume default values for all VPLS parameters and SDP 999 exists between the metro networks.

A. Metro 1>service# vpls 500
Metro 1>service>vpls# spoke-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>spoke-sdp 999:500

B. Metro 1>service# vpls 500
Metro 1>service>vpls# mesh-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>mesh-sdp 999:500

C. Metro 1>service# vpls 500
Metro 1>service>vpls# spoke-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>spoke-sdp 999:900

D. It is not possible to have 2 VPLS services with different service ids to act as a single service when default settings are used.

## Options:

**A-** Option A

**B-** Option B

**C-** Option C

**D-** Option D

## Answer:

A

# Question 5

**Question Type:** **MultipleChoice**

Click on the exhibit below.

```
*A:PE1# show service id 1 sdp 4 detail

===============================================================================
Service Destination Point (Sdp Id : 4) Details
===============================================================================
-------------------------------------------------------------------------------
 Sdp Id 4:1  -(4.4.4.4)
-------------------------------------------------------------------------------
SDP Id              : 4:1                       Type              : Mesh
VC Type             : Ether                     VC Tag            : n/a
Admin Path MTU      : 0                         Oper Path MTU     : 9186
Far End             : 4.4.4.4                   Delivery          : MPLS

Admin State         : Up                        Oper State        : Down
Ingress Label       : 131068                    Egress Label      : 0

Last Status Change  : 10/30/2009 05:15:59       Signaling         : TLDP
Last Mgmt Change    : 10/30/2009 05:13:34       Force Vlan-Vc     : Disabled
Flags               : NoEgrVCLabel
Peer Pw Bits        : None

KeepAlive Information :
Admin State         : Disabled                  Oper State        : Disabled
Hello Time          : 10                        Hello Msg Len     : 0
Max Drop Count      : 3                         Hold Down Time    : 10

Associated LSP LIST :
Lsp Name            : to-PE4
Admin State         : Up                        Oper State        : Up
Time Since Last Tr* : 05d20h00m

-------------------------------------------------------------------------------
```

Given the following output what is the most likely reason the SDP binding is operationally down? (Choose 2)

## Options:

**A-** The sdp id is different on the far-end.

**B-** LDP is disabled on the far-end.

**C-** The vc-id is different on the far-end.

**D-** The mesh-sdp is missing on the far-end.

**E-** The mesh-sdp is administratively shutdown on PEL

**F-** There is an MTU mismatch.

### Answer:

C, D

# Question 6

**Question Type:** **MultipleChoice**

Which of the following statements regarding unicastand multicast frames is true for a traditional layer 2 switch? (Choose 2)

### Options:

**A-** Multicast frames only forward out ports that have a known receiver.

**B-** Unicast frames only forward out ports that have a known receiver.

**C-** If the FDB is empty, unicast and multicast frames are treated equally.

**D-** If the FDB has an entry for the unicast frame, both unicastand multicast are treated equally.

### Answer:

B, C

# Question 7

**Question Type:** MultipleChoice

Which function of the IEEE 802.1 ag is used for responding to CFM messages but not originating them?

### Options:

**A-** MEP

**B-** MAP

**C-** MIP

**D-** MUP

## Answer:

C

# Question 8

**Question Type:** MultipleChoice

When ports configured with IEEE 802.3ah EFM are operationally down, what must the device do before declaring the ports are up?

## Options:

**A-** The device will try to force the other side up using the evaluating flag in the PDU.

**B-** The device will wait for the trasmit-interval of 5 before trying to rediscover the neighbor.

**C-** The device will detect the port change and will wait for normal operation mode.

**D-** The device will detect the port change and revert to discovery mode.

## Answer:

D

# Question 9

**Question Type:** MultipleChoice

Which of the following is NOT a feature of the IEEE 802.3ah EFM standard?

## Options:

**A-** Discovery and auto-negotiation of OAM capabilities.

**B-** Link monitoring via event notifications.

**C-** Remote failure indication (RFI).

**D-** Remote Loopback

**E-** Latency and jitter across a service.

## Answer:

E

# Question 10

**Question Type:** MultipleChoice

What option is available when using PBB to reduce the amount of required VPLS services?

## Options:

**A-** The Alcatel-Lucent 7750 SR supports 1:1 mapping of I-VPLS services to B-VPLS services.

**B-** The Alcatel-Lucent 7750 SR supports 1:1 andM:1 mapping of l-VPLS services to B- VPLS services.

**C-** The Alcatel-Lucent 7750 SR supports the mapping of multiple, standard VPLS services to B-VPLS services.

**D-** The Alcatel-Lucent 7750 SR supports the mapping of multiple, standard VPLS services to l-VPLS services.

## Answer:

B

# Question 11

**Question Type:** MultipleChoice

Which of the following describes the setting of the l-SID on the Alcatel-Lucent 7750 SR?

## Options:

**A-** The I-SID is set to 0 by default and is only used for interop purposes. The receiving PE uses the service label to determine the I-VPLS.

**B-** There is no default value. The I-SID must always be explicitly configured

**C-** The I-SID is set to the service-id, unless the service-id is larger than a 24 bit value. In this case the I-SID must be explicitly configured.

**D-** The I-SID is always set to the service-id by default.

## Answer:

C

# Question 12

**Question Type:** **MultipleChoice**

What type of SDP cannot be configured in an l-VPLS?

## Options:

**A-** Mesh-sdp

**B-** Spoke-sdp

**C-** MPLS

**D-** GRE

## Answer:

A