Exam Code: 4A0-105

Exam Name: Alcatel-Lucent Virtual Private LAN Services

Vendor: Alcatel-Lucent

Version: DEMO

Part: A

1: Which of the following best describes the difference between VPWS and VPLS?

A.VPWS is a point-to-point service where CEs are presented with point- to-point virtual circuits whereas VPLS is a bridged LAN service provided to a set of CEs that are members of a L2 VPN

B.Unlike VPLS, VPWS allows CEs that are member of the same service instance to communicate with each other as if they are connected via a bridged LAN

C.Unlike VPWS, VPLS provides customers to view the network as an unshared overlay link or circuit

Correct Answers: A

2: The behavior of VPLS can be best described by which of the following statements?

A.A frame should be sent only to the PE that connects to the target site of the frame whenever possible

B.A frame should be flooded as little as possible

C.Customer frames should be switched based on the destination MAC address

D.Only (a) and (b) are true

E.All of the above

Correct Answers: E

3: Which of the following statements relating to VPLS are false?

A.A VPLS is a multipoint Layer 2 service

B.A VPLS allows multiple customer sites to be connected in a single bridged domain

C.A VPLS on a single node requires a Service Distribution Path

D.With VPLS Service provider can reuse their IP/MPLS infrastructure to offer multiple services

E.The VPLS switches traffic based on MAC address associated to the appropriate SAP

Correct Answers: C

4: True or False? Multiple VPLS services can be offered over the same set of LSP tunnels?

A.True

B.False

Correct Answers: A

5: Which of the following contributes to VPLS implementation over MPLS?

A.Connecting bridging-capable provider edge routers with a full mesh of MPLS LSP (label switched path) tunnels

B.Negotiating per-service VC labels using draft-Martini encapsulation

C.Replicating unknown and broadcast traffic in a service domain

D.Enabling MAC learning over tunnel and access ports

E.Using a separate forwarding information base (FIB) per VPLS service

F.All of the above

Correct Answers: F

6: Which of the following statements is false?

A.VPLS is a bridged LAN service

B.VPLS provides L2 VPN services to CEs

C.VPLS is a point-to-point service where CEs are presented with point- to-point virtual circuits

D.CEs that are members of the same VPLS service instance communicate with each other as if they are connected via a bridged LAN

Correct Answers: C

7: Which of the following functions must a PE router support when participating in a VPLS network? Choose all that apply.

A.MAC learning

B.Packet replication

C.Proxy ARP

D.Packet forwarding

E.Flood all frames with an unknown destination MAC address to all PE routers associated with that VPLS

Correct Answers: A B D E

8: Which SDP on R3 will MAC addresses be associated with for devices behind R2?
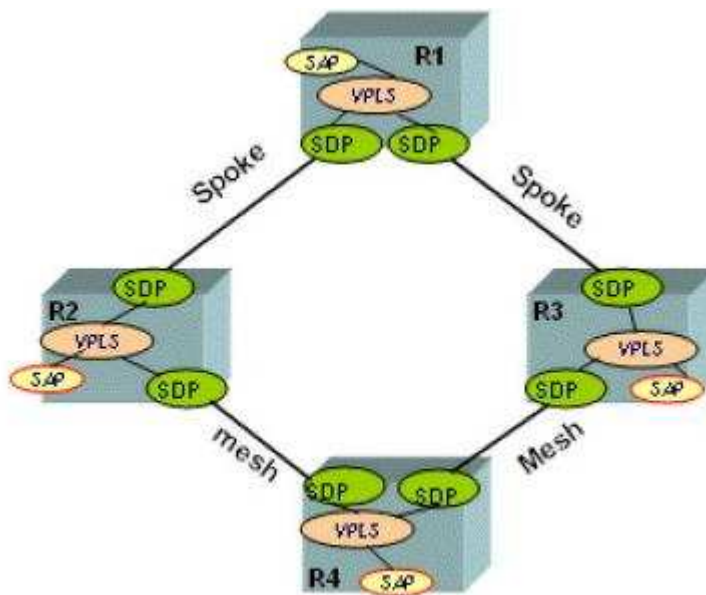
A.It depends if traffic is received via R4 or R1 from devices behind R2

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

Correct Answers: C

9: Select the command from the list below that produced the following output.

A.oam svc-ping 20.20.20.20 service 10 local-sdp remote-sdp

B.oam sdp-ping 10 resp-sdp 10

C.oam svc-ping 20.20.20.20 service 10 local-sdp

D.oam svc-ping 10.10.10.10 service 10 local-sdp remote-sdp

E.oam svc-ping 10.10.10.10 service 10 local-sdp

Correct Answers: A

10: Based on the following output what will the vc-id be of any mesh-sdp bound to this service?

A.9000

B.1514

C.1000

D.0

Correct Answers: C

11: Select items from the list below that are required for an operational mesh-sdp binding when signaling is enabled within the SDP.

A.LDP must be enabled

B.RSVP must be enabled

C.An SDP must be configured on the far-end

D.A transport tunnel must be up in both directions

E.A transport tunnel only needs to be up in one direction

Correct Answers: A C D

12: Which OAM tool can be used to discover the MAC address of a CE device connected to a SAP within a VPLS service?

A.oam cpe-ping

B.oam mac-ping

C.oam mac-trace

D.oam svc-ping

Correct Answers: A

13: During the process of troubleshooting a VPLS problem the am mac-purge command with egister option was used to purge a MAC address from the FDB. Which of the following statements is true? Choose all that apply.

A.Relearning of the MAC address that was purged can only be done once customer traffic resumes

B.Relearning of the MAC address that was purged can only be done with the am mac-populate command

C.Customer traffic destined to the MAC address that was purged will be flooded until the MAC address is repopulated with the am   mac-populate command

D.Customer traffic destined to the MAC address that was purged will be dropped until the until the MAC address is repopulated with the am mac-populate command

Correct Answers: B C

14: Which of the following OAM tools can be used as a VPLS topology discovery mechanism?

A.oam mac-ping

B.oam mac-populate

C.oam svc-ping

D.oam mac-trace

Correct Answers: D

15: Imagine that a new router called 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 for the new site 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

Correct Answers: C

16: The following question relates to this command syntax: config>service# vpls 9000 customer 6 create? Which of the following statements are correct?

A.The Customer-id in this command is 9000

B.The service-id in this command is 9000

C.This value 9000 must be unique to this service and may not be used for any other service of any type

Correct Answers: B C

17: 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 statements below are true? Choose all that apply.

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 contain entries for the CE router connected to PE-A and the CE router to connected to PE-C

Correct Answers: B D

18: 5 VPLS service have been configured between two PE routers.　How many sets of VC-labels will be signaled?

A.1

B.10

C.5

D.15

Correct Answers: C

19: The FIB has learned 2 MAC addresses. The first from a device accessible via a locally defined SAP, the second from a device accessible via locally defined SDP. Both MAC addresses were learned at the exact same time. Assuming these MAC addresses were only heard from once, which

will time out first based on default settings?

A.MAC learned via SAP

B.MAC learned via SDP

C.There is not enough information to determine

D.Both will timeout at the same time

Correct Answers: A

20: Based on the partial output of show service id 1 sap 1/1/1 detail below. What feature has been enabled within the VPLS?

A.Disable-learning

B.Discard-unknown

C.Mac-move

D.Disable-aging

Correct Answers: A