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Alcatel-Lucent Multi Protocol Label Switching

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QUESTION: 232
Which LSAtype is used for OSPF-TE?

A. Type 8 LSA—Link Local LSA
B. Type 9 LSA — Link local Opaque LSA
C. Type 10 LSA — Area local Opaque LSA
D. Type 11 LSA —AS Opaque LSA

Answer: C

QUESTION: 233
Which of the following about LDP sessions is TRUE?

A. Frame mode requires multiple sessions between peers.
B. The lower transport address initiates the session.
C. Established LDP sessions run over a TCP connection.
D. An LDP session is established immediately after Init messages are exchanged between peers.

Answer: C

QUESTION: 234
Click on the exhibit.

```
configure router policy-options
            begin
            prefix-list "officeA_subnet"
                prefix 192.168.1.0/24 longer
            exit
            policy-statement "LDP_export"
                entry 10
                    from
                        protocol direct
                        prefix-list "officeA_subnet"
                    exit
                    action accept
                exit
            exit
            commit
```

This policy is applied on a router as an LDP export policy and an LDP session has been established between this router and its neighboring router. In addition to the FECs learned from its neighbors, what additional FECs will appear in this router's LIB?

A. All FECs that are in the 192.168.1.0/24 address space.
B. Local FECs that are in the 192.168.1.0/24 address space.
C. All FECs that are not in the 192.168.1.0/24 address space.
D. All FECs except the local FECs that are in the 192.168.1.0/24 address space.

Answer: B

QUESTION: 235
Initially, all ports on an Alcatel-Lucent 7750 SR have 10Gbps bandwidth. RSVP configuration limits reservable bandwidth to 30 percent on all interfaces. An LSP is signaled reserving 1 Gbps bandwidth. How much unreserved bandwidth is left on the interface?

A. 10 Gbps
B. 7 Gbps
C. 3 Gbps
D. 2 Gbps

Answer: D

QUESTION: 236
Fill in the blanks: A _____ device has all interfaces inside the provider domain, and a _____ device has at least one interface outside the provider domain.

A. PE, P
B. P, PE
C. PE, CE
D. CE, PE
E. CE, P

Answer: B

QUESTION: 237
Which of the following regarding per-platform label space is TRUE?

A. A separate label is used for each interface on which the FEC is advertised.

B. A single label is assigned to a FEC for all interfaces on the same router,
C. It is typically used when the device has ATM or Frame Relay interfaces.
D. It uses more label resources than a per-interface label space.

Answer: B

QUESTION: 238
Which of the following about RSVP-TE summary refresh messages is TRUE?

A. They list the RSVP session names that the router is refreshing,
B. They list the Message IDs that the router is refreshing,
C. They list the Tunnel IDs that the router is refreshing.
D. They list the LSP I Ds that the router is refreshing.

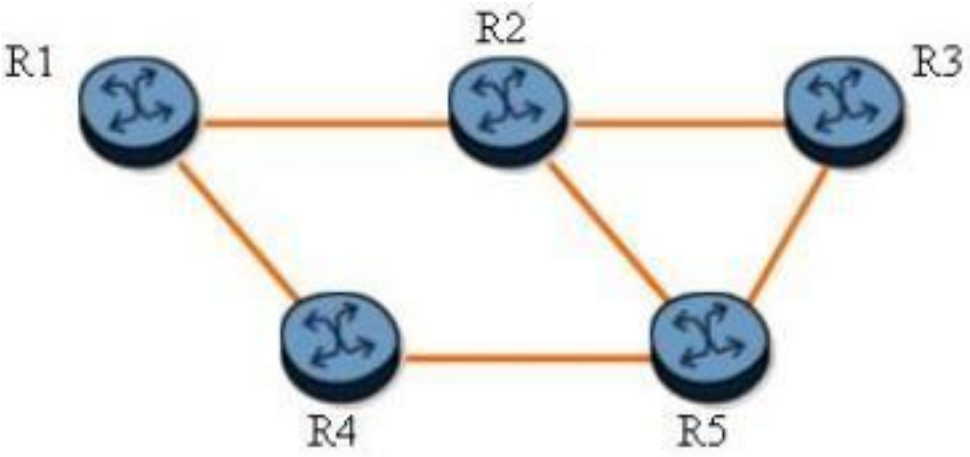
Answer: B

QUESTION: 239
How does a DMP inform the downstream routers that it has merged detour tunnels?

A. The DMP sends the DMP_Object in each detour's PATH messages.
B. The DMP summarizes PATH messages, giving each detour its own MSGJD.
C. The DMP identifies itself as the previous hop in each detour's PATH message.
D. The DMP sends a single PATH message containing the merged DETOUR_Objects.

Answer: D

QUESTION: 240
Click on the exhibit.



An LSP traverses the path R1-R2-R3. With one-to-one fast reroute enabled, which router becomes a DMP for the detour tunnels?

A. Router R1
B. Router R2
C. Router R3
D. Router R4
E. Router R5

Answer: E

QUESTION: 241
Which of the following is TRUE when the explicit null is implemented?

A. The penultimate router will forward packets to the eLER, based on the IP header.
B. The eLER will receive packets with a top label value of 0.
C. The eLER will receive packets with a top label value of 3.
D. The penultimate router will pop the top label from the packets.

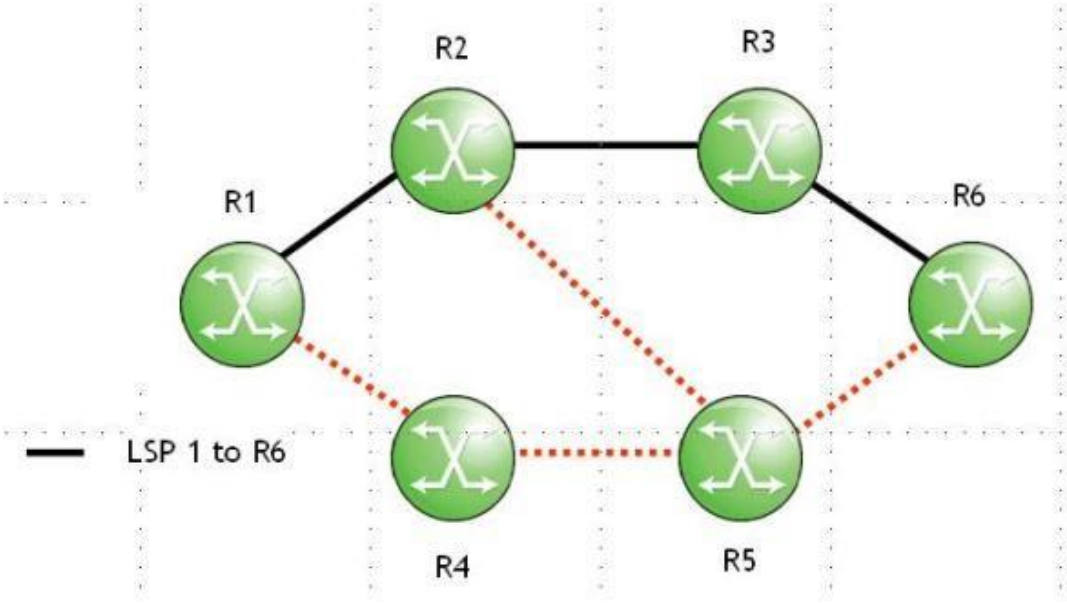
Answer: B

QUESTION: 242
Which MPLS mode saves only active label mappings received from peer LSRs?

A. Conservative label retention
B. Liberal label retention
C. Downstream on demand
D. Downstream unsolicited

Answer: A

QUESTION: 243
Click on the exhibit.



RSVP session state for LSP 1 has timed out on router R3. Which of the following actions will router R3 initiate to clear the RSVP session?

A. Send a PATH Tear message toward router R6.
B. Send a PATH Tear message toward router R1.
C. Send a PATH Error message toward router R6.
D. Send a PATH Error message toward router R1.

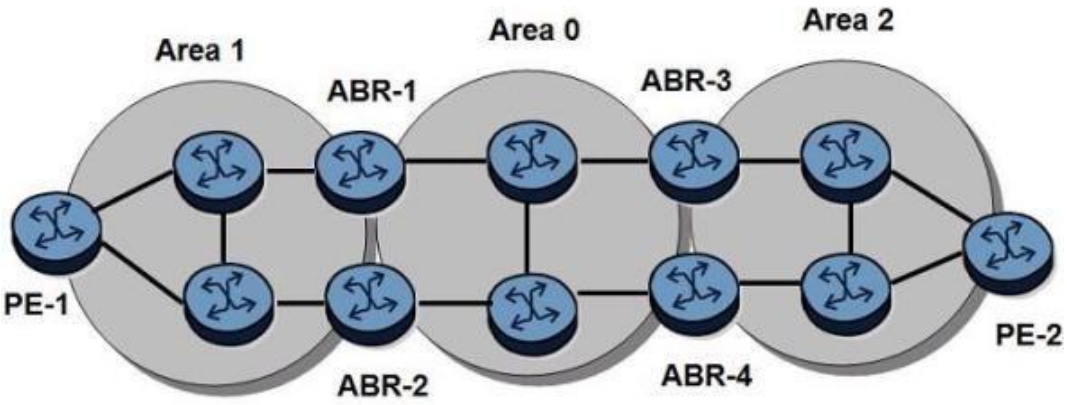
Answer: D

QUESTION: 244
Which of the following regarding MPLS encapsulation for VPRN services is TRUE?

A. The customer's Layer 3 header is removed at the iLER.
B. The customer's Layer 2 header is removed at the iLER.
C. The customer's Layer 3 header is removed at the eLER.
D. The customer's Layer 2 header is removed at the eLER.

Answer: A

QUESTION: 245
Click on the exhibit.

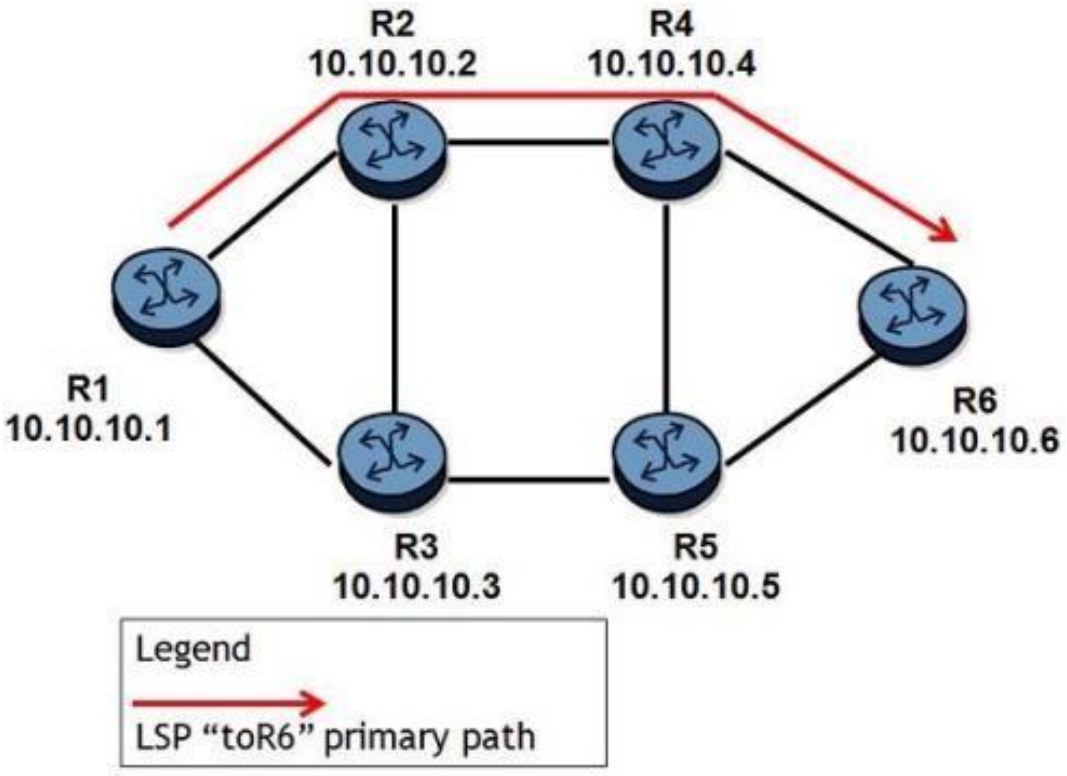


An LDP-over-RSVP tunnel is established between PE-1 and PE-2. Which of the following is NOT required to protect the LDP-over-RSVP tunnel?

A. PE-1 requires T-LDP sessions to both ABR-1 and ABR-2.
B. PE-1 requires a full mesh of RSVP-TE LSPs to all routers in area 1.
C. ABR-1 requires T-LDP sessions to all ABRs in area 0.
D. PE-1 requires fast reroute enabled on all RSVP-TE LSPs.

Answer: B

QUESTION: 246
Click on the exhibit.



An LSP traverses R1-R2-R4-R6 and one-to-one fast reroute with link protection is enabled. All links have the same cost. Which of the following about DMP and MP is TRUE?

A. R3 and R5 become DMPs; R6 becomes MP.
B. R3 and R5 become DMPs; R4 becomes MP.
C. R3, R5, and R6 become DMPs; R4 becomes MP.
D. R1, R3, and R5 becomes DMPs; R4 and R6 become MPs.

Answer: A

QUESTION: 247
Which of the following is NOT a characteristic of MPLS?

A. It provides the ability to establish connection oriented paths over a connectionless IP network.
B. It provides a mechanism to engineer network traffic patterns independently of IP routing tables.
C. It will work over most physical layer protocols.
D. It can use GRE tunnels to transport data from many different protocols over an IP network.

Answer: D

QUESTION: 248
Which of the following about an ERO in an RSVP PATH message is FALSE?

A. ERO is used by downstream routers to determine the next-hop for the LSP.
B. ERO contains label information used to signal an LSP path.
C. ERO is not always present in the PATH message.
D. Each downstream router updates information inside the ERO.

Answer: B

QUESTION: 249
Which of the following is NOT an application of MPLS?

A. Enabling VPNs
B. Enabling traffic engineering
C. Enabling network security
D. Enhancing network resiliency

Answer: C

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