4A0-103^{Q&As}

Alcatel-Lucent Multiprotocol Label Switching

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QUESTION 1

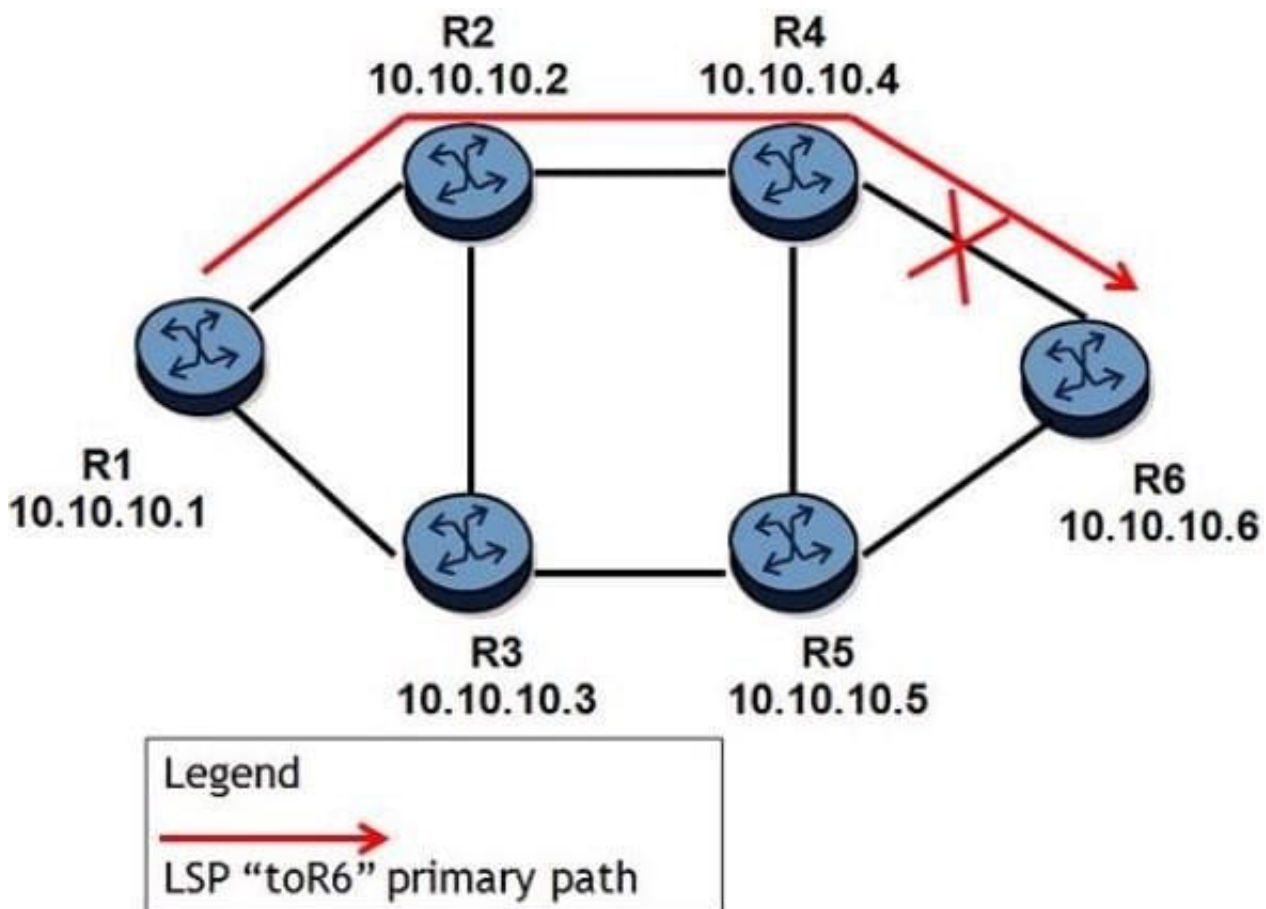Which of the following regarding the MPLS SWAP label operation is TRUE?

A. The inner label will be exchanged with the MPLS outer label.

B. The inner label will be exchanged for a new label.

C. The outer label will be exchanged for a new label.

D. All labels will be exchanged for one new label.

E. All labels will be exchanged for an equal number of new labels.

Correct Answer: C

QUESTION 2

Click on the exhibit.

An LSP path is established on router R1 toward router R6. After router R4 detects that the link between routers R4 and R6 goes down, which of the following will affect the failure propagation time?

A. The time router R4 takes to send a PATH Error message toward the head-end router.

B. The time router R4 takes to detect RSVP Hello message timeout from router R6.

C. The time router R4 takes to send a RESV Error message to the head-end router.

D. The time router R1 takes to signal an alternate path through router R3.
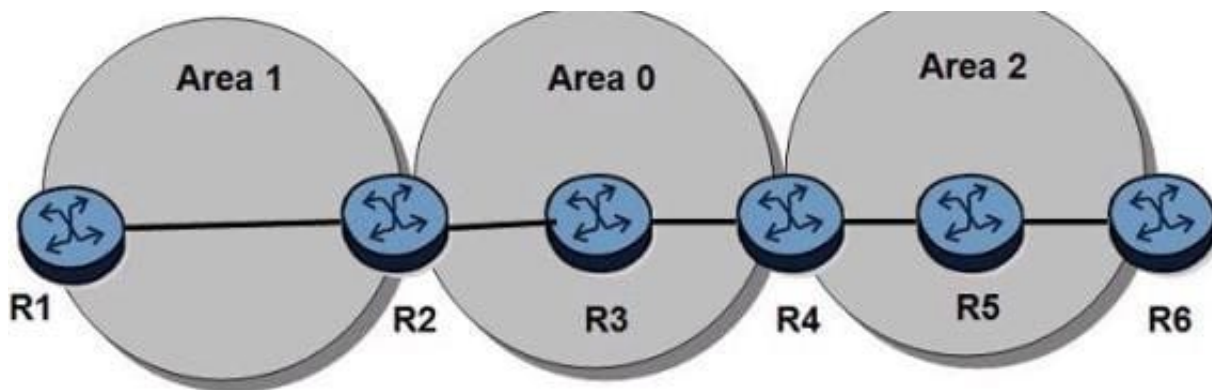
Correct Answer: A

QUESTION 3

Which of the following indicates the path over which an LSP\\'s tail end router will return an RSVP RESV message?

A. The IGP FIB.

B. The Reservation State Block (RSB)

C. The Path State Block (PSB)

D. The opaque database.

Correct Answer: C

QUESTION 4

Click on the exhibit.

An LDP-over-RSVP tunnel is established between routers R1 and R6. There is a VPN service running between routers R1 and R6. Which of the following is TRUE?

A. Router R3 swaps both the RSVP-TE LSP label and LDP transport label received with new labels.

B. Router R3 swaps the VPN service label received with a new label.

C. Router R3 uses the same RSVP-TE LSP label as the one received from router R2.

D. Router R3 uses the same LDP transport label as the one received from router R2.

Correct Answer: D

QUESTION 5

Click on the exhibit button below.


```
*A:MPLS_R5# show router mpls lsp "toR8-5" path detail

========================================================================
MPLS LSP toR8-5 Path  (Detail)
========================================================================
Legend :
    @ - Detour Available        # - Detour In Use
    b - Bandwidth Protected     n - Node Protected
    s - Soft Preemption
========================================================================
------------------------------------------------------------------------
LSP toR8-5 Path loose
------------------------------------------------------------------------
LSP Name     : toR8-5                  Path LSP ID : 27694
From         : 10.10.10.5              To          : 10.10.10.8
Adm State    : Up                      Oper State  : Down
Path Name    : loose                   Path Type   : Primary
Path Admin   : Up                      Path Oper   : Down
OutInterface : n/a                     Out Label   : n/a
Path Up Time : 0d 00:00:00             Path Dn Time: 0d 00:01:40
Retry Limit  : 0                       Retry Timer : 30 sec
RetryAttempt : 4                       NextRetryIn : 21 sec
SetupPriori* : 7                       Hold Priori*: 0
Preference   : n/a
Bandwidth    : No Reservation          Oper Bw     : 0 Mbps
Hop Limit    : 255                     Class Type  : 0
Backup CT    : None
MainCT Retry : n/a                     MainCT Retry: 0
   Rem       :                            Limit    :
Oper CT      : None
Record Route : Record                  Record Label: Record
Oper MTU     : 0                       Neg MTU     : 0
Adaptive     : Enabled                 Oper Metric : 65535
Include Grps :                         Exclude Grps:
None                                   None
Path Trans   : 2                       CSPF Queries: 1
Failure Code : looseHopsInFRRLsp       Failure Node: 10.10.10.5
ExplicitHops :
   No Hops Specified
Actual Hops  :
   No Hops Specified
ResigEligib* : False
LastResignal : n/a                     CSPF Metric : 0
========================================================================
* indicates that the corresponding row element may have been truncated.
```

LSP "toR8-5" requests fast reroute protection on the primary loose path. What could be done to remove the Failure Code shown?

A. CSPF must be enabled at head-end on fast reroute protected loose path LSPs

B. Fast reroute must first be enabled on the downstream routers.

C. CSPF must be enabled on all downstream loose hop routers.

D. Global revertive path optimization must be enabled so the path will be re-optimized around a failed node.

Correct Answer: A