



**Vendor:** Alcatel-Lucent

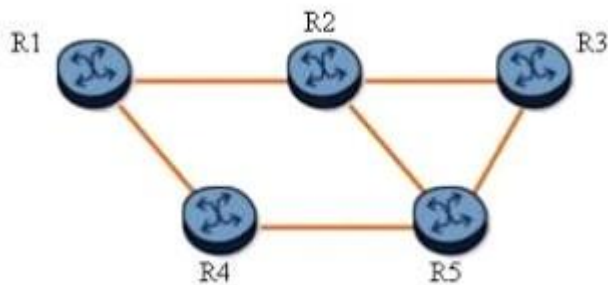
**Exam Code:** 4A0-103

**Exam Name:** Alcatel-Lucent Multiprotocol Label Switching

**Version:** DEMO

### QUESTION 1

Click on the exhibit button below.



With fast reroute enabled, and given the following:

- The protected LSP path is R1-R2-R3.
- All links are of equal cost.

Which of the following statements is true? (Choose two)

- A. Router R1 is the LSP originator and is also a PLR.
- B. With one-to-one link or node protection, the detour LSP path is R1-R4-R5-R2-R3.
- C. With one-to-one link or node protection, the detour LSP path is R1-R4-R5-R3.
- D. If the R2-R3 link fails, router R3 becomes a PLR
- E. None of the nodes can be protected with FRR.

**Answer:** AC

### QUESTION 2

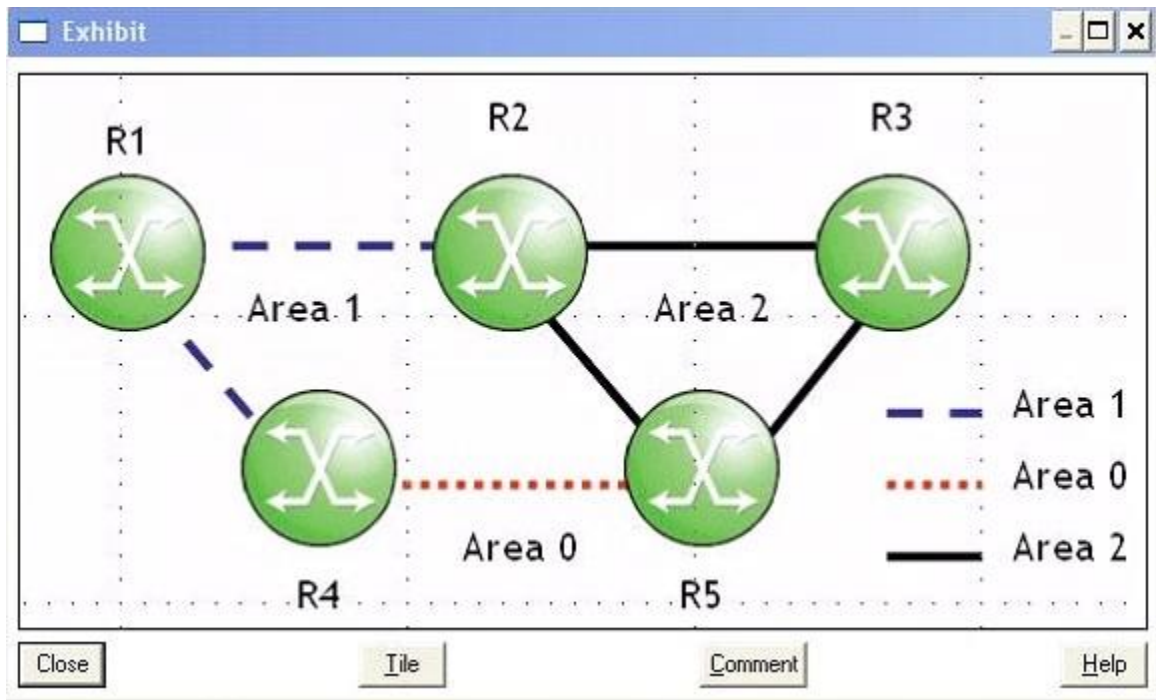
Which of the following statements regarding LSP path configuration are true? (Choose three)

- A. The path must include at least one hop.
- B. The path may be used multiple times in a single LSP.
- C. The path may comprise loose hop entries only.
- D. The path must define the LSP's tail end.
- E. The path may be used for multiple LSPs.

**Answer:** CE

### QUESTION 3

Click on the exhibit button below.



Consider the following:

- Routers R1 and R4 are in Area 1.
- Routers R4 and R5 in Area 0.
- Routers R5 and R3 are in Area 2.

To support LDP-over-RSVP tunnels between routers R1 and R3 over path R1-R4-R5-R3, with which routers will router R5 require targeted sessions? (Choose two)

- A. Router R1
- B. Router R4
- C. Router R2
- D. Router R3

**Answer: BD**

### QUESTION 4

Which of the following statements best describes downstream unsolicited label distribution?

- A. An LER may answer requests for label mappings immediately, without waiting for a label mapping from the next-hop.
- B. An LER may advertise label mappings to all peers for which it might be a next-hop for a given FEC.
- C. An LER propagates a label mapping downstream for a FEC, only if it has a label mapping for the FEC next-hop.
- D. An LER will only distribute a label for a FEC when it has been requested to do so.

**Answer: B**

### QUESTION 5

In MPLS, labels are distributed in the opposite direction of the data flow.

- A. TRUE
- B. FALSE

**Answer: A**

### QUESTION 6

Click on the exhibit button below.

```
configure router mpls
  path "to-PE2"
    hop 1 10.48.1.1 strict
    hop 2 10.1.3.1 strict
    hop 3 10.1.2.2 strict
    hop 4 10.32.1.2 strict
  no shutdown
exit
lsp "LSP-to-PE2"
  to 10.1.4.78
  cspf
  exit
  primary "to-PE2"
  exit
  no shutdown
exit
no shutdown
```

Given the configuration below, what is the system ID of the destination node?

- A. 10.32.1.2
- B. 10.1.478
- C. 1048.1.1
- D. Cannot tell from this configuration
- E. 10.1.2.2

**Answer: B**

### QUESTION 7

Which of the following is defined by the following statement? All label mappings received from all peer LSRs are saved.

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

**Answer: B**

**QUESTION 8**

What is the common usage of the MPLS EXP bits?

- A. Each implementation can use them as they see fit.
- B. They are used to carry the Ethertype value.
- C. They are used to carry the TTL value.
- D. They are used to carry QoS classification.
- E. They are used to carry fragmentation flag information

**Answer: D**

**QUESTION 9**

If an LSP's loose primary path includes the statement "include green" and "exclude red;" how does CSPF choose the LSP's path?

- A. CSPF chooses a link that is a member of both administrative groups
- B. CSPF chooses only those links that are NOT members of the green admin group
- C. CSPF prunes the green links and uses these links for the secondary path
- D. CSPF signals the LSP path over the green links only, and prunes all other links

**Answer: D**

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