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Vendor:Alcatel-Lucent

Exam Code:4A0-103

Exam Name:Alcatel-Lucent Multiprotocol Label
Switching

Version:Demo

QUESTION 1

Which of the following about an LSP protected with facility FRR is TRUE?

- A. The LSP can use protection tunnels used by other LSPs.
- B. The LSP can use facility and one-to-one FRR simultaneously.
- C. The LSP is limited to link protection.
- D. A detour protection tunnel is created for this LSP.

Correct Answer: A

QUESTION 2

How many bits of the MPLS header are used for the label field?

- A. 16
- B. 20
- C. 24
- D. 25
- E. 32

Correct Answer: B

QUESTION 3

Which of the following about IS-IS Traffic Engineering on an Alcatel-Lucent 7750 SR is FALSE?

- A. Traffic engineering information is carried in the extended TLVs.
- B. Traffic engineering must be enabled on all IP/MPLS routers along the LSP path.
- C. Traffic engineering information is stored in the opaque database,
- D. Traffic engineering is required for constraint-based LSPs.

Correct Answer: C

QUESTION 4

Click on the exhibit.

```
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
```

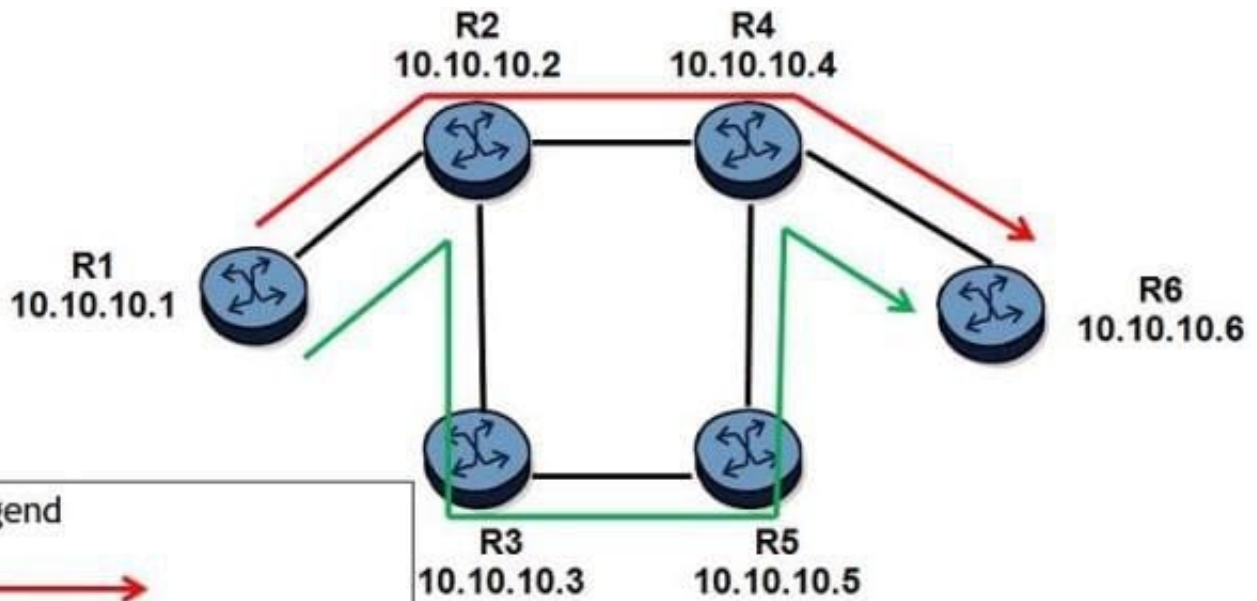
This LSP terminates on a system IP address. What is the system address of the destination node?

- A. 10.32.1.2
- B. 10.1.4.78
- C. 10.48.1.1
- D. 10.1.2.2

Correct Answer: C

QUESTION 5

Click on the exhibit.



Legend

→ Primary LSP Path (400M)

→ Secondary LSP Path (300M)

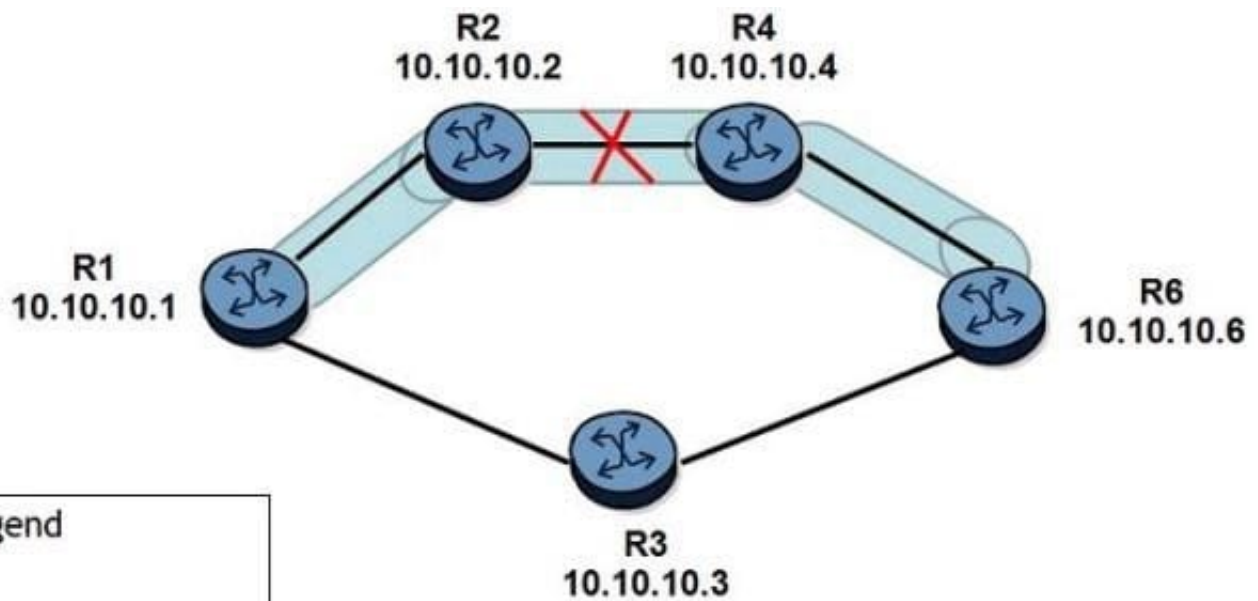
All links have 1 Gbps unreserved bandwidth initially. After the LSP's primary and standby secondary paths are signaled, how much bandwidth is reserved on the link between routers R1 and R2?

- A. If Shared Explicit reservation style is used, 400Mbps is reserved.
- B. If Shared Explicit reservation style is used, 700Mbps is reserved.
- C. If Fixed Filter reservation style is used, 400Mbps is reserved.
- D. If Fixed Filter reservation style is used, 300Mbps is reserved.

Correct Answer: A

QUESTION 6

Click on the exhibit.



An LDP tunnel is established on router R1 towards router R6. The link between routers R2 and R4 goes down. What will happen to the MPLS data traffic to router R6 IMMEDIATELY after the link goes down?

- A. MPLS data traffic will be discarded until the IGP finds a new next-hop to router R3.
- B. MPLS data traffic will be discarded unless the LDP tunnel has a standby secondary path.
- C. MPLS data traffic will not be discarded because router R1 received labels from both next-hops, routers R2 and R3.
- D. MPLS data traffic will not be discarded because of fast reroute capability on router R2.

Correct Answer: B

QUESTION 7

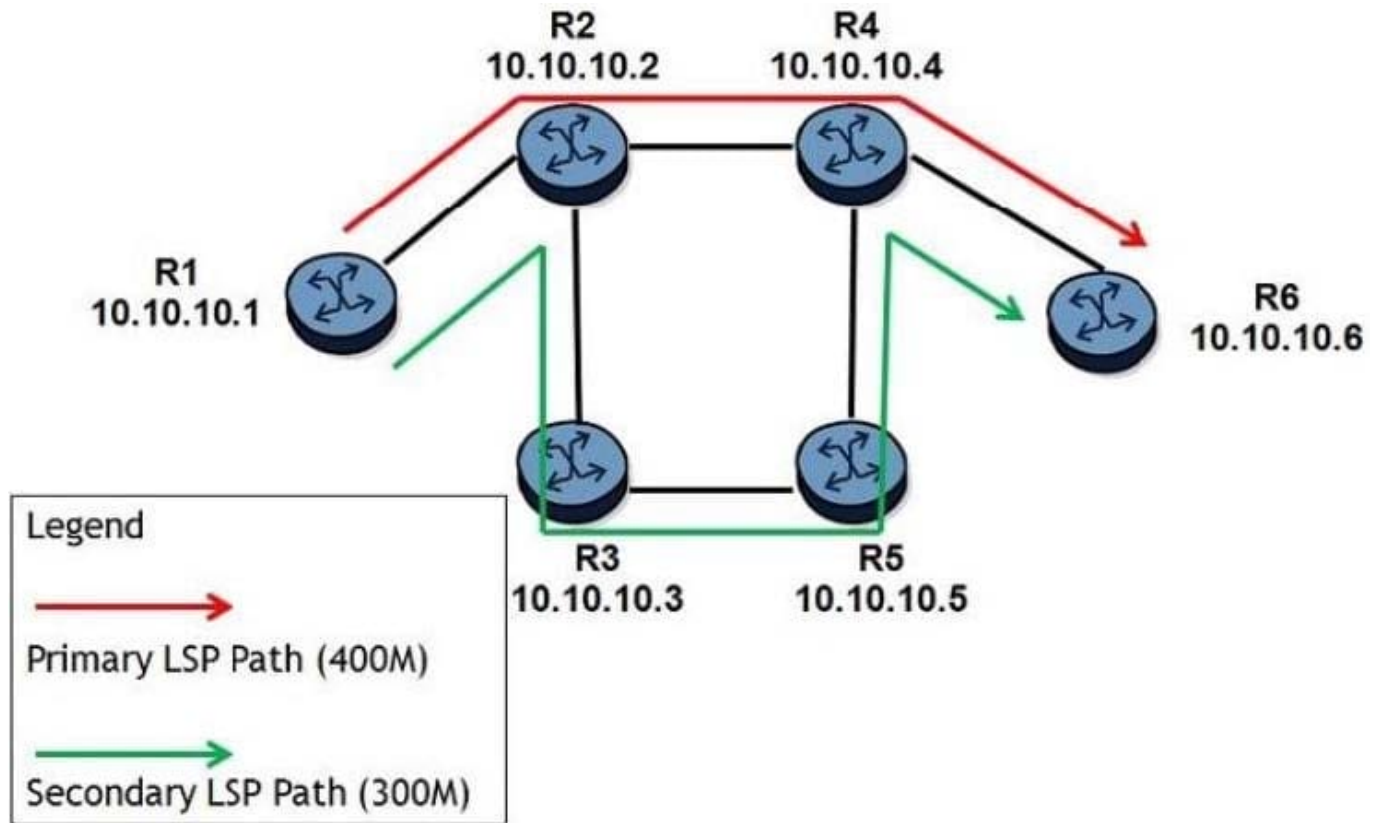
Which of the following fields does NOT appear in the MPLS label header?

- A. Label
- B. Frame check sequence
- C. Traffic Class (previously called Experimental)
- D. Time To live
- E. Bottom of stack bit

Correct Answer: B

QUESTION 8

Click on the exhibit.



All links have 1Gbps unreserved bandwidth initially and Shared Explicit reservation style is used. After the LSP's primary and standby secondary paths are signaled, how much unreserved bandwidth is left on the links?

- A. R1-R2 will have 300Mbps left and R2-R4 will have 400Mbps left.
- B. R1-R2 will have 400Mbps left and R2-R4 will have 400Mbps left.
- C. R1-R2 will have 600Mbps left and R2-R4 will have 600Mbps left.
- D. R1-R2 will have 300Mbps left and R2-R4 will have 600Mbps left.

Correct Answer: C

QUESTION 9

Which of the following best describes downstream on demand label distribution?

- A. An LSR answers requests for label mappings immediately, without waiting for a label mapping from the next-hop.
- B. An LSR advertises label mappings to all peers for which it might be a next-hop for a given FEC.

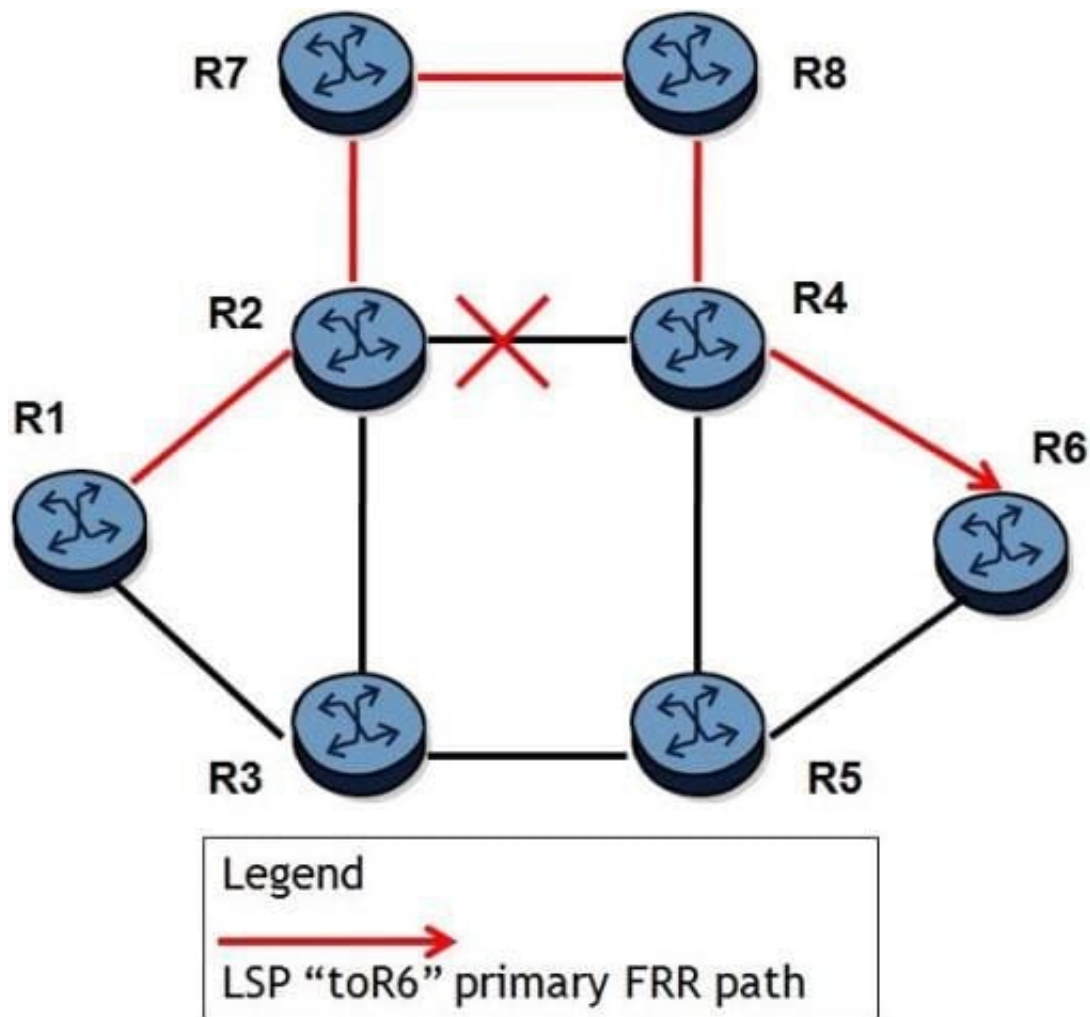
C. An LSR distributes a label mapping for a FEC when it has been requested to do so.

D. An LSR propagates a label mapping downstream for a FEC. only if it has a label mapping for the FEC\'s next-hop.

Correct Answer: C

QUESTION 10

Click on the exhibit.



A fully loose LSP MtoR6" is enabled with FRR protection. All links have the same cost. After the link between R2 and R4 goes down, FRR protection repairs the LSP and traffic traverses on R1-R2-R7-R8-R4R6. By default, which of the following about this LSP on an Alcatel-Lucent 7750 SR is FALSE?

- A. The LSP will switch to R1-R3-R5-R6 after the resignal timer expires.
- B. The old primary path and its detours are torn down after the new primary path is established.
- C. CSPF must be enabled to find a more optimal path.
- D. The traffic is switched to R1-R3-R5-R6 in an MBB fashion.

Correct Answer: A

QUESTION 11

Which of the following best describes downstream unsolicited label distribution?

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

Correct Answer: B

QUESTION 12

During node protection signaling, the PLR knows the address of the MP from which of the following methods?

- A. The PLR issues a RSVP path message to the destination router to request the address of the MP.
- B. The PLR learns the address of the MP from the ERO.
- C. The PLR learns the address of the MP from the RRO
- D. The PLR learns the address of the MP from the targeted RSVP hello message.
- E. The PLR does not need to know the address of the MP.

Correct Answer: C