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Nokia 4A0-C01

Version Demo

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Topic Break Down

Topic	No. of Questions
Topic 1, Exam Set A	159
Topic 2, Exam Set B	255
Topic 3, Exam Set C	249
Topic 4, Exam Set D	189
Total	852

QUESTION NO: 1

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**QUESTION NO: 2**

Which of the following can be used for label signaling and distribution on the Alcatel-Lucent 7750 SR? Choose two answers

- A. RSVP-TE
- B. TDP
- C. LDP
- D. ADP
- E. MPLS-TE

ANSWER: A C**QUESTION NO: 3**

What is the protocol number for OSPF in the IP header?

- A. OSPF uses TCP, so the protocol number is 6.
- B. OSPF uses UDP, so the protocol number is 17.
- C. OSPF does not use IP.
- D. OSPF has its own protocol number of 89.

ANSWER: D

QUESTION NO: 4

Which of the following are functions of the MPLS control plane in a router? (Choose two)

- A. Label allocation and management.
- B. Label swapping.
- C. Pushing a label on an unlabeled packet.
- D. Label signaling.
- E. Routing lookups.

ANSWER: A D

QUESTION NO: 5

When provisioning a spoke-SDP on an Epipe, what MUST match on both ends of the service?

- A. Service ID
- B. Customer ID
- C. SAPID
- D. VC-ID
- E. SDPID

ANSWER: D

QUESTION NO: 6

Which of the following statements apply to link state protocol behavior? Choose three answers.

- A. Routers broadcast the entire route table to all neighbors.
- B. Information about directly connected links is sent to all neighbors.
- C. An adjacency database is maintained by each router.
- D. The sequence number for an update is incremented as it is flooded from router to router.
- E. The topological database is the same for all routers in a single area.

ANSWER: B C E

QUESTION NO: 7

Static routing is to be used in a network between a corporate head office with many connected networks, and a branch office with one connection to the head office. Which of the following best describes the likely configuration?

- A. The corporate head office router should have a default route and the branch site should have a more specific static route
- B. The corporate head office router and the branch office router should both have specific static routes.
- C. The corporate head office router and the branch router should both have default routes.
- D. The corporate head office router should have a specific static route and the branch office router should have a default route.

ANSWER: D

QUESTION NO: 8

Which of the following are similarities between OSPF and IS-IS? Choose two answers.

- A. Metric is based on hop count.
- B. Slow convergence after link failures.
- C. Support hierarchy through the use of areas.
- D. Support for CIDR.
- E. Link state updates sent using layer 3 multicast.

ANSWER: C D

QUESTION NO: 9

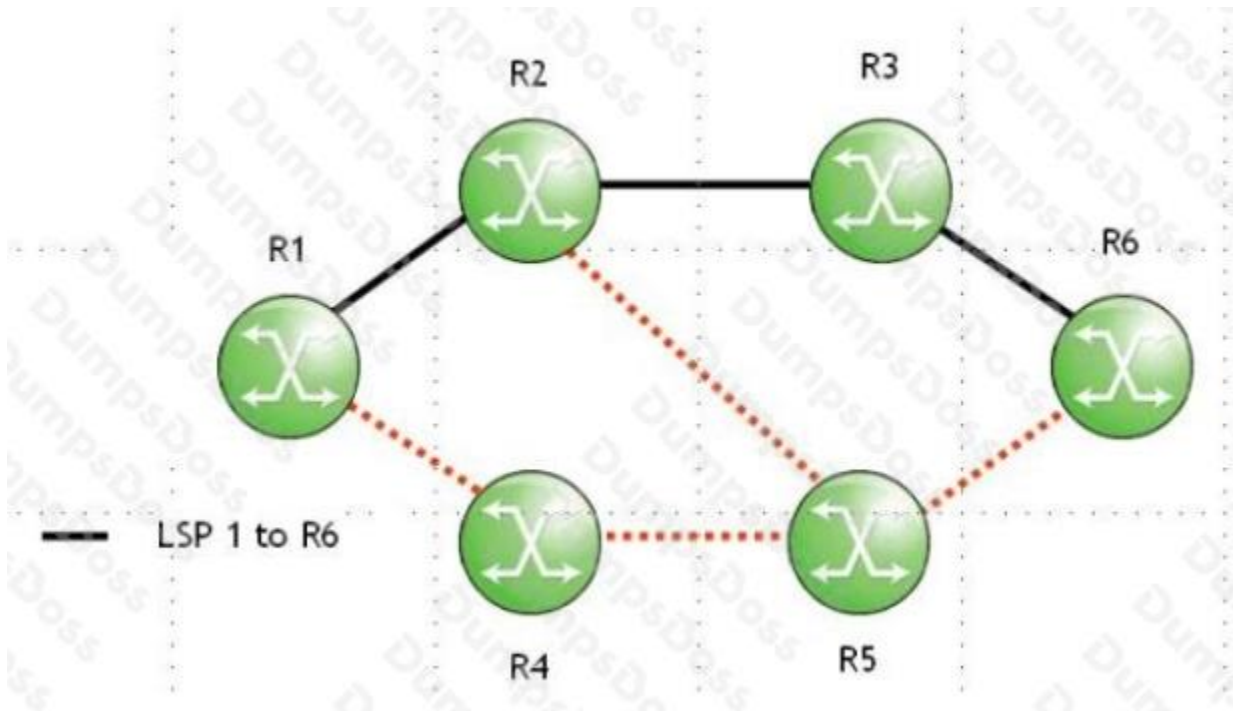
Which of the following are types of routers in an IS-IS topology? Choose three answers

- A. Level 0
- B. Level 1
- C. Level 2
- D. Level 0/1
- E. Level 1/2

ANSWER: B C E

QUESTION NO: 10

Click on the exhibit.



LSP 1's link between routers R3 and R6 has failed, and the RESV state at router R3 has timed out. Which of the following actions will router R3 initiate?

- A. Send a PathTear message towards router R6.
- B. Send a PathTear message towards router R1.
- C. Send a ResvTear message toward router R6.
- D. Send a ResvTear message toward router R1.

ANSWER: D

QUESTION NO: 11

Which one of the following items CANNOT be used as a mirror source on an Alcatel-Lucent 7750 SR?

- A. IP filter
- B. MAC filter
- C. Egress label
- D. Ingress label

ANSWER: C

QUESTION NO: 12

Click the exhibit button. Assuming point-to-point links, which of the following statements is true?

Router 1 ISIS Adjacency				
=====				
System ID		Usage	State	Hold Interface

R2	L2	Up	22	toR2
R3	L1	Up	19	toR3

Adjacencies : 2				

Router 2 ISIS Adjacency				
=====				
System ID		Usage	State	Hold Interface

R1	L2	Up	22	toR1
R4	L1	Up	19	toR4

Adjacencies : 2				

- A. Routers R1 and R2 are L2 routers. Routers R3 and R4 are L1/L2 routers
- B. Routers R1, R2, and R4 are L1/L2 routers. Router R3 is an L1 router,
- C. Routers R1, R2, and R3 are L2 routers. Router R4 is an L1 router,
- D. Routers R1 and R2 are L1/L2 routers. Routers R3 and R4 are L1 routers

ANSWER: D

QUESTION NO: 13

Exhibit

```
ALA-1# configure router
ALA-1>config>router# router-id 138.120.54.73
ALA-1>config>router# ospf
ALA-1>config>router>ospf$ area 0.0.0.0
ALA-1>config>router>ospf>area$ interface ALA-2
ALA-1>config>router>ospf>area>if# interface-type broadcast
ALA-1>config>router>ospf>area>if# metric 100
ALA-1>config>router>ospf>area>if# priority 25
ALA-1>config>router>ospf>area>if# exit
```

```
•ALA-2# configure router
•ALA-2>config>router# router-id 138.120.54.72
•ALA-2>config>router# ospf
•ALA-2>config>router>ospf$ area 0.0.0.0
•ALA-2>config>router>ospf>area$ interface ALA-1
•ALA-2>config>router>ospf>area>if# interface-type point-to-point
•ALA-2>config>router>ospf>area>if# metric 10
•ALA-2>config>router>ospf>area>if# priority 25
•ALA-2>config>router>ospf>area>if# exit
•ALA-2>config>router>ospf>area# interface system
```

Given the two configurations shown, identify the two incorrect statements below: (Choose two)

- A. Both routers will generate OSPF Hello packets.
- B. The system interface is missing in one configuration so OSPF will not operate correctly.
- C. The interface type settings differ, but OSPF will still operate correctly.
- D. Metric values differ, but this does not prevent OSPF operation.

ANSWER: B C

QUESTION NO: 14

Click the exhibit button.

Which of the following statements best describes the format of data traffic sent from the PC to the server?

- A.** The source IP address will be the address of the PC, and the destination IP address will be the system IP address of router R1; the source MAC address will be the MAC address of the PC, and the destination MAC address will be the MAC address of the router R1 port connected to the PC.
- B.** The source IP address will be the address of the PC, and the destination IP address will be the IP address of the router R1 port connected to the PC, the source MAC address will be the MAC address of the PC, and the destination MAC address will be the MAC address of the router R1 port connected to the PC.
- C.** The source IP address will be the address of the PC, and the destination IP address will be the IP address of the server, the source MAC address will be the MAC address of the PC, and the destination MAC address will be the MAC address of the server.
- D.** The source IP address will be the address of the PC, and the destination IP address will be the IP address of the server; the source MAC address will be the MAC address of the PC, and the destination MAC address will be the MAC address of the router R1 port connected to the PC.

ANSWER: D

QUESTION NO: 15

Which of the following conditions are necessary in order for service labels to be signaled between two PE routers? (Choose 3)

- A.** LDP must be enabled on both PE routers.
- B.** RSVP must be enabled on both PE routers.
- C.** Traffic engineering must be enabled in the IGP.
- D.** The VC-ID must match between the two PE routers in both directions.
- E.** The transport tunnel must be operationally up between the two PE routers in both directions.
- F.** The SDP ID must match between the two PE routers in both directions.

ANSWER: A D E

QUESTION NO: 16

Which of the following statements are TRUE regarding a fully meshed VPLS service with a default setting? (Choose 3)

- A.** The vc-id on the mesh-sdp must be explicitly configured.
- B.** The vc-id on the mesh-sdp is automatically assigned by a PE using the service id.
- C.** The VPLS service id, on all PE routers, does not have to match.
- D.** The VPLS service id, on all PE routers, must match.
- E.** If dynamic signaling is required, the signaling on all PE routers must be set to TLDP in the configuration of the SDPs.

F. The signaling on all PE routers will default to TLDP in the configuration of the SDPs; therefore, no configuration change is required for dynamic signaling.

ANSWER: A D F

QUESTION NO: 17

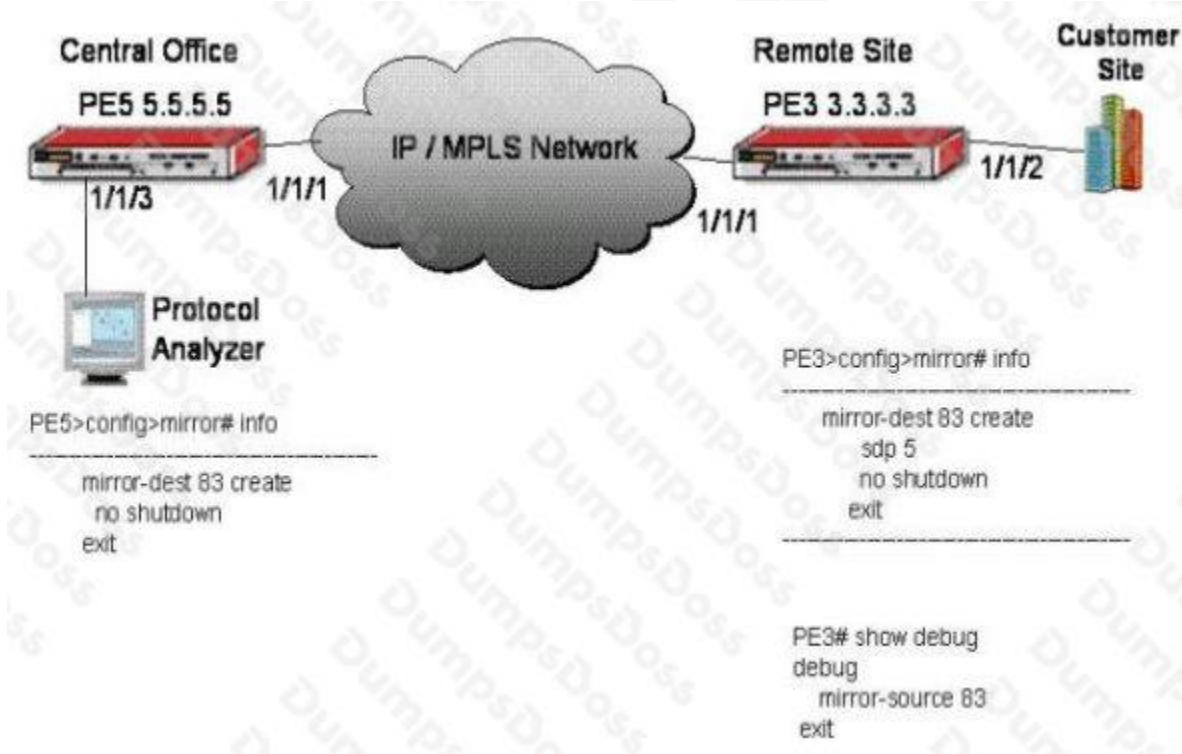
What is a key benefit of a VPLS service?

- A. The customer maintains complete control over routing.
- B. The adding of new sites is simplified; no re-configuration is required at existing sites.
- C. The clear demarcation of functionality between service provider and customer makes troubleshooting easier.
- D. All of the above.

ANSWER: D

QUESTION NO: 18

Click on the exhibit button below.



Assuming the customer only needs to monitor traffic from PE3 to the customer site, what two items are missing in the configuration of PE5, the Alcatel-Lucent 7750 Service Router in the Head Office? (Assume that the IP/MPLS network structure between the local and remote PEs is in place.)

- A. The mirror destination configuration on PE5 is missing the "remote-source" command.
- B. There needs to be a mirror source configuration on PE5 with the "remote-source" command.
- C. This is not possible since the protocol analyzer is located at the Central Office. It needs to be at the customer site.
- D. There needs to be a configuration command to put sap 1/1/3 on the mirror destination of PE5.
- E. There needs to be a configuration command to put sap 1/1/3 on the mirror source of PE5

ANSWER: A D

QUESTION NO: 19

Which default LDP parameter are you able to change with CLI?

- A. Label space mode
- B. Label retention
- C. Control mode
- D. Keepalive factor

ANSWER: D

QUESTION NO: 20

Which of the following routing protocols are supported on the Alcatel-Lucent 7750 SR to enable constraint-based LSPs? (Choose two)

- A. RIPv2-TE
- B. CSPF
- C. OSPF-TE
- D. ISIS-TE
- E. RSVP-TE

ANSWER: C D