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Nokia NRS II Composite Exam: OSPF version

Nokia 4A0-C04

Version Demo

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QUESTION NO: 1

Which of the following about the lsp-ping command on the Nokia 7750 SR is FALSE?

- A. An echo request is sent based on the LSP's label stack.
- B. Echo reply packets may not take the same path as the LSP.
- C. The IP destination address is used to initiate echo requests,
- D. The test fails if the LSP is not operationally up.

ANSWER: C

QUESTION NO: 2

In an OSPF Hello packet, which of the following fields must match for all neighbor routers on the segment? Choose three answers.

- A. Area ID W B.
- B. Hello and Dead intervals PC.
- C. Stub flag
- D. Checksum values
- E. The list of neighbors

ANSWER: A B C

QUESTION NO: 3

What causes an adjacency to change from down to two ways?

- A. When a link state update is received in response to a link state request.
- B. When a router receives a Hello packet that contains its own router ID in the neighbor list from a neighbor.
- C. When a router receives a database description packet from a neighbor.
- D. When a link state acknowledgement is received in response to a link state update.

ANSWER: B

QUESTION NO: 4

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
```

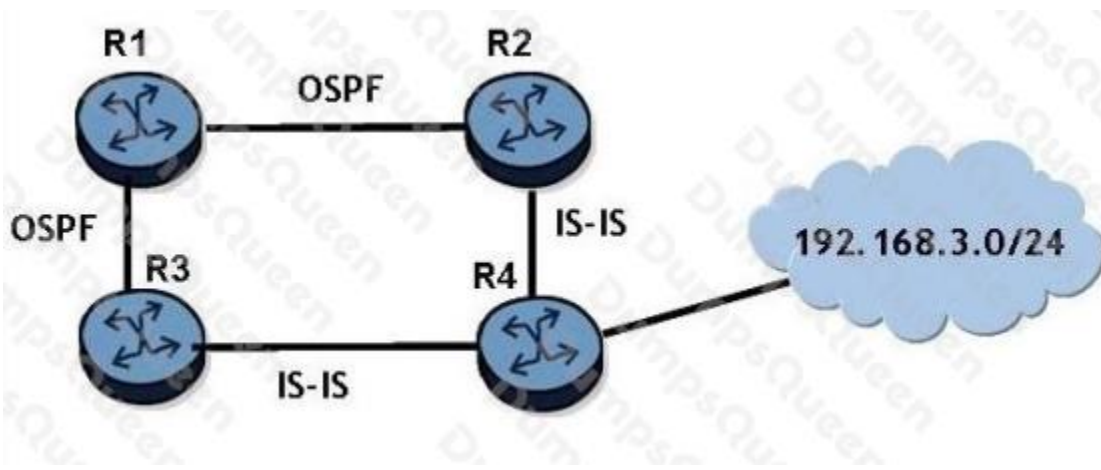
Given the two configurations shown, identify the two incorrect statements below: (Choose two)

- 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: 5

Click the exhibit button.



If router R2 redistributes the IS-IS route to 192.168.3.0/24 into OSPF, router R3 will receive two routes to 192.168.3.0/24. What will be the preference of these two routes? Assume that all IS-IS routers are L1/L2 capable and are in the same area. Choose two answers.

- A. The OSPF internal preference
- B. The IS-IS Level 1 internal preference
- C. The IS-IS Level 2 internal preference
- D. The OSPF external preference
- E. The IS-IS Level 2 external preference
- F. The IS-IS Level 1 external preference

ANSWER: B D

QUESTION NO: 6

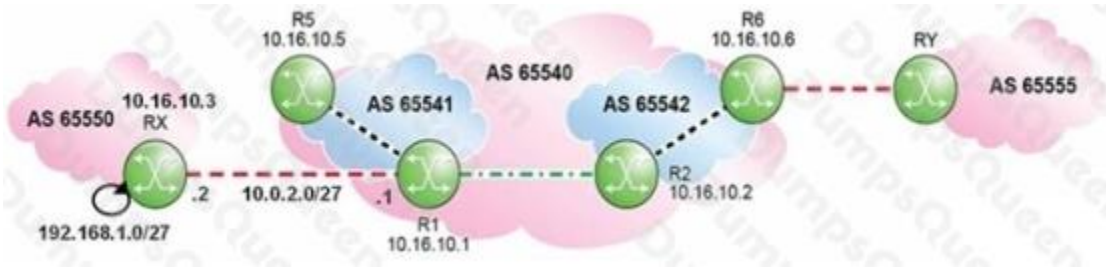
Which of the following statements regarding the election of the designated router (DR) by OSPF routers are true? (Choose two)

- A. The router with the lowest priority is the DR.
- B. The router with the highest priority is the DR.
- C. If priorities are the same, the DR is chosen based on the lowest RID.
- D. If priorities are the same, the DR is chosen based on the highest RI

ANSWER: B D

QUESTION NO: 7

Click the exhibit.



Given the following configuration for router R1, what is the expected Next Hop for prefix 192.168.1.0/27 as seen on router R2?

```
R1>config>router>bgp# info
```

```
-----  
group "eBGP"  
  peer-as 65550  
  neighbor 10.0.2.2  
  exit  
exit  
group "Conf_eBGP"  
  peer-as 65542  
  neighbor 10.16.10.2  
  exit  
exit  
group "Member-AS"  
  next-hop-self  
  neighbor 10.16.10.5  
  peer-as 65541  
  exit  
exit  
no shutdown
```

- A. 10.0.2.1
- B. 10.0.2.2
- C. 10.16.10.1
- D. 10.16.10.3

ANSWER: B

QUESTION NO: 8

Which of the following statements describe the major features of OSPF? Choose two answers.

- A. Fast reroute capability
- B. Control traffic prioritization
- C. Route redistribution
- D. Traffic engineering extensions
- E. Cut through forwarding

ANSWER: C D

QUESTION NO: 9

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: 10

What are some of the characteristics of Nokia's implementation of non-stop routing?

(Choose two)

- A. No protocol extensions required
- B. Only supported by OSPF and IS-IS
- C. Transparent to routing neighbors
- D. Uses Graceful Restart to inter-operate with other vendors

ANSWER: A C

QUESTION NO: 11

What labels are encapsulated in the tunnels used by a 6PE deployment?

- A. The inner label is the IPv4 Explicit Null. The outer label is the MPLS transport label,
- B. The inner label is an MPLS transport label. The outer label is the IPv4 Explicit Null.
- C. The inner label is the IPv6 Explicit Null. The outer label is an MPLS transport label.
- D. The inner label is an MPLS transport label. The outer label is the IPv6 Explicit Null.

ANSWER: C

QUESTION NO: 12

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 NO: 13

What is the result of configuring the following policy statement as a BGP import policy on the Nokia 7750 SR?


```
policy-statement "Policy-1"  
  entry 10  
    from  
      protocol bgp  
      prefix-list "List-1" "List-2"  
    exit  
    action reject  
  exit  
exit  
default-action accept
```

- A. All BGP routes are accepted.
- B. All routes matching prefix lists "List-1" and "List-2" are rejected.
- C. BGP routes matching prefix lists "List-1" or "List-2" are rejected.
- D. BGP routes matching prefix lists "List-1" and "List-2" are rejected.

ANSWER: C

QUESTION NO: 14

An autonomous system has 7 routers configured with BGP. How many iBGP sessions are required for a fully meshed configuration?

- A. 7
- B. 13
- C. 21
- D. 42

ANSWER: C

QUESTION NO: 15

In an OSPF environment, what must a router receive after it sends out an update?

- A. The router must receive an acknowledgment
- B. The router must receive a Hello
- C. The router must receive a new sequence number
- D. The router must receive a Link State Packet

ANSWER: A