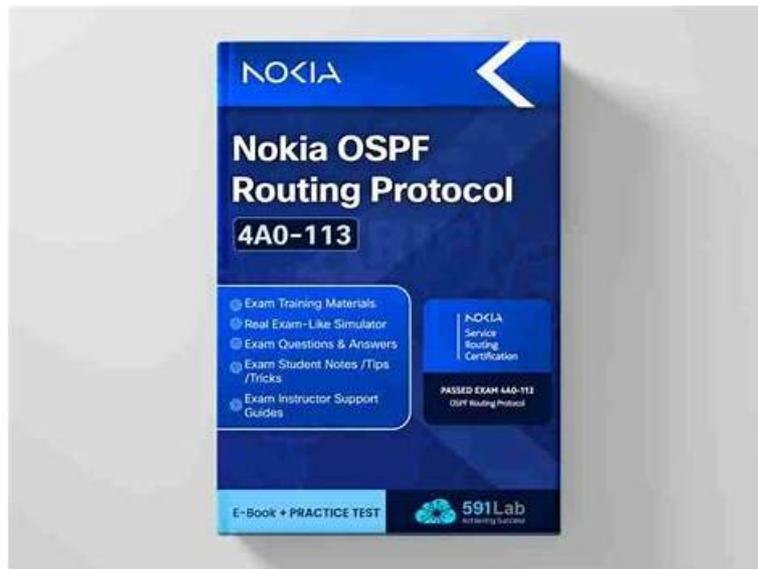# TOP 4A0-113 Pdf Free - Nokia Nokia OSPF Routing Protocol Exam - High-quality 4A0-113 Actual Exams

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Nokia OSPF routing protocol is used to exchange routing information between routers in a network, allowing for efficient and reliable communication. OSPF is widely used in large enterprise networks and service provider networks, making it a critical technology for network engineers to understand and master.

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To pass the Nokia 4A0-113 exam, candidates need to have a solid understanding of OSPF routing protocol, as well as hands-on experience configuring and troubleshooting OSPF networks using Nokia equipment. They also need to be familiar with various OSPF features and extensions, such as OSPFv3, OSPFv3 for IPv6, and OSPF virtual links. By passing 4A0-113 Exam, candidates can demonstrate their proficiency in OSPF routing protocol and improve their career prospects in the networking industry.

Nokia OSPF Routing Protocol Exam Sample Questions (Q33-Q38):

NEW QUESTION # 33
Click the exhibit button.

```
A:R1# show router ospf neighbor

================================================================================

OSPF Neighbors

================================================================================
nterface-Name         Rtr Id      State    Pri RetxQ TTL
--------------------------------------------------------------------------------
oR2                   10.10.10.2  Full     1   0     39
oR3                   10.10.10.3  Full     1   0     31
oR5                   10.10.10.5  Full     1   0     39
--------------------------------------------------------------
No. of Neighbors: 3

================================================================================
A:R1#
```

The following command sequence is executed on router R2:

- A. 10.10.10.2
- B. 10.10.10.99
- C. R2# configure router router-id 10.10.10.66
  On router R1, what router ID appears for router R2 directly after these commands are executed?
- D. 10.10.10.1
- E. R2# configure router ospf router-id 10.10.10.99
- F. 10.10.10.66

Answer: E

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
From Nokia 7750 SR OS Routing Protocols Guide (Router ID Selection):
"The OSPF router ID configured under the OSPF context overrides the global router ID configured under the general router context." Since "configure router ospf router-id 10.10.10.99" was applied, this takes precedence for OSPF operation, even though "configure router router-id 10.10.10.66" was configured globally.
Thus, router R1 will see router R2's OSPF router ID as 10.10.10.99.
-

NEW QUESTION # 34
An operator configures an Nokia 7750 SR with a loopback interface and IPv6 address. The operator then configures a routing policy to redistribute the loopback prefix into OSPFv3. What type of LSA is used to advertise the route to other OSPFv3 routers in the same area?

- A. None of the statements are correct.
- B. Inter-Area Prefix LSA
- C. Intra-Area Prefix LSA
- D. AS External LSA
- E. Router LSA
- F. Network LSA

Answer: D

NEW QUESTION # 35
Which of the following are similarities between OSPF and IS-IS? Choose two answers.

- A. Slow convergence after link failures.
- B. Metric is based on hop count.
- C. Support hierarchy through the use of areas.

- D. Link state updates sent using layer 3 multicast.
- E. Support for CIDR.

Answer: C,E

NEW QUESTION # 36

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

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

Answer: A,C,E

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
According to Nokia 7750 SR OS Routing Protocols Guide (OSPF and IS-IS operation, Chapter: Link-State Protocol Operation):
B (Correct):
"Routers advertise information about directly connected links to all routers in the same area via link-state advertisements (LSAs)." C (Correct):
"The adjacency database tracks established neighbor relationships, ensuring LSDB synchronization." E (Correct):
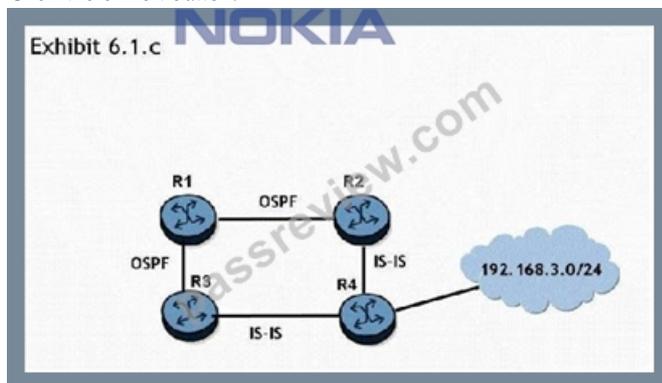"All routers within the same OSPF or IS-IS area have identical link-state databases after full synchronization." Incorrect options:
A: Link-state protocols exchange only link-state information, not full routing tables (that's distance-vector behavior).
D: Sequence numbers are incremented by the originator when generating LSAs, not by intermediate routers during flooding.

NEW QUESTION # 37

Click the exhibit button.

Exhibit 6.1.c

If router R2 redistributes the IS-IS route to 192.168.3.0/24 into OSPF, router R3 preference of these two routes? Choose two answers.

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

Answer: A,F

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
From Nokia 7750 SR OS Routing Protocols Guide (Route Preferences - Default Administrative Distances):
IS-IS Level 1 internal preference: 18
OSPF external (Type 5) preference: 150
R3 will have both routes:

B (Correct): IS-IS Level 1 internal route received directly from IS-IS (lower preference value 18).
D (Correct): OSPF external route received via redistribution (higher preference value 150).
Since IS-IS internal has better preference, it will be installed, but both exist as valid route types.
-

NEW QUESTION # 38
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