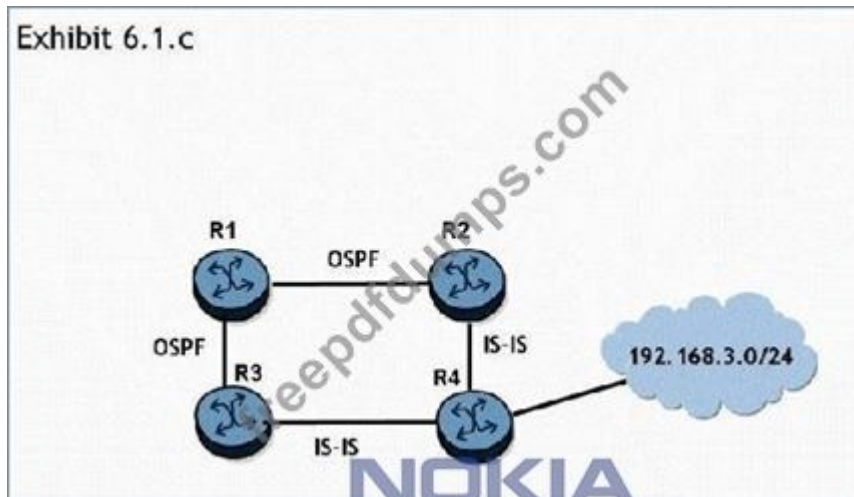


Nokia.4A0-113.v2022-03-09.q35

Exam Code:	4A0-113
Exam Name:	Nokia OSPF Routing Protocol Exam
Certification Provider:	Nokia
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NEW QUESTION: 1

Click the exhibit button.



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

Answer: E,F (LEAVE A REPLY)

NEW QUESTION: 2

When redistributing OSPF into RIP V2 what must be taken into consideration for the redistribution to take place?

- A. You must divide the cost of the OSPF route by three
- B. The metric must be set accordingly for RIP

- C. The subnet mask must be removed from the OSPF route
- D. The router must be configured as an ASBR

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 3

Which of the following cannot be used as a matching criterion in route policy statements?

- A. TCP source port
- B. Source IP address
- C. Protocol type
- D. Prefix list

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

Which of the following statements best describes an OSPF type 3 LSA?

- A. An OSPF type 3 LSA is an intra-area LSA, generated by the ABR only when route summarization is configured.
- B. An OSPF type 3 LSA is an inter-area LSA, generated by the ABR to describe a route to neighbors outside the area.
- C. An OSPF type 3 LSA is an inter-area LSA, generated by the ABR only when route summarization is configured.
- D. An OSPF type 3 LSA is an inter-area LSA, generated by an ASBR to describe external routes.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 5

Which type of OSPF LSA has the following characteristics: It is flooded only within the area it originates from and can be originated by any OSPF router within the area (including non-DR routers).

- A. Type 2 Network LSA
- B. Type 4 ASBR LSA
- C. Type 1 Router LSA
- D. Type 3 Summary LSA

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 6

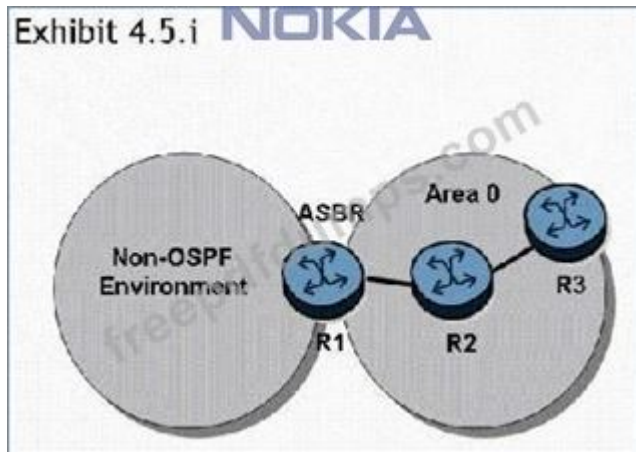
What is the default inbound metric for RIP on the Nokia 7750 SR?

- A. A value of 1.
- B. This must be administratively set as there is no default value.
- C. Whatever the advertised metric happens to be.
- D. A value of 15.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 7

Click the exhibit button.



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. How many type 4 LSAs will be present in the network?

- A. One for each of the external routes exported by router R1.
- B. One for each of the routers in area 0
- C. Type 4 LSAs are not generated in this network topology.
- D. One.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 8

Which of the LSA types stay within an OSPF area and are not exported outside of the area?
(Choose all that apply)

- A. Summary Router LSA
- B. Summary Network LSA
- C. Router LSA
- D. Network LSA

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 9

In an IP datagram, which of the following fields identifies the receiving application?

- A. The port field of the network layer address.
- B. The protocol field of the transport layer header.
- C. The protocol field of the network layer header.
- D. The port field of the transport layer header.

Answer: (SHOW ANSWER)

NEW QUESTION: 10

Which of the following conditions will prevent an OSPF adjacency from reaching the full state?
Choose three answers.

- A. System interface not included in OSPF

- B. Area ID not the same
- C. Router ID not defined
- D. Different metric set on each end of the link
- E. MTU mismatch
- F. Incorrect subnet mask

Answer: B,E,F (LEAVE A REPLY)

NEW QUESTION: 11

Which of the following statements concerning OSPFv3 is false?

- A. NSSA is not supported in OSPFv3.
- B. OSPFv3 uses a 32-bit router ID.
- C. Router LSAs do not carry IPv6 prefix information
- D. MD5 Authentication is not supported.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 12

Click the exhibit button.

Exhibit 4.3.h

•OSPF Version : 2	•OSPF Version : 2
•Router Id : 13.0.0.2	•Router Id : 13.0.0.1
•Area Id : 0.0.0.0	•Area Id : 0.0.0.0
•Checksum : 7c0e	•Checksum : 865e
•Authentication : Null	•Authentication : Null
•Authentication Key: 00 00 00 00 00 00 10 00 00	•Authentication Key: 00 00 00 00 00 00 00 00
•Packet Type : DB_DESC	•Packet Type : DB_DESC
•Packet Length : 32	•Packet Length : 32
•Interface MTU : 9000	•Interface MTU : 9000
•Options : 000042	•Options : 000042
•Flags : 7	•Flags : 7
•Sequence Num : 77793	•Sequence Num : 75667

The OSPF packets shown have been exchanged between two neighbors. What state is the OSPF adjacency in?

- A. The adjacency is in the exchange state. The next step is to exchange link state request and link state update packets.
- B. The adjacency is in the ex start state. The routers have exchanged database description packets, but still have to negotiate the starting sequence number.
- C. The adjacency state is two way because both routers have received a database description packet.
- D. The adjacency state is full. The routers are exchanging database description packets to notify each other that all link state advertisements have been received.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 13

Which of the following OSPF area types are supported by the Alcatel- Lucent 7750 SR? Choose two answers.

- A. Not so stubby areas
- B. Level 2 areas
- C. Stub areas
- D. Partially stubby areas
- E. Level1 area WC

Answer: A,C ([LEAVE A REPLY](#))

NEW QUESTION: 14

An OSPF router receives an update in which the sequence number, age, and checksum are the same as the entry already in the topological database. What action is taken by the router?

- A. The link state information is regarded as old and nothing is done.
- B. The link state information is not populated in the database and an acknowledgement is sent
- C. The link state information is not populated in the database but is forwarded to all neighbors
- D. The link state information already in the database is overwritten and the age is reset

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 15

What command will show the OSPF neighbors, and their status on the Nokia 7750 SR?

- A. Show ospf neighbors
- B. Show router ospf neighbors
- C. Show ospf adjacency
- D. Show router ospf adjacency

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 16

Which one of the commands below will create a static route to network 2.3.4.0/24 on the AlcatelLucent 7750 SR router?

- A. Static-route 2.3.4.0/24 next-hop 3.4.5.6
- B. Static-route next-hop 3.4.5.6 2.3.4.0/24
- C. Static route 2.3.4.0 255.255.255.0 next hop 3.4.5.6
- D. Static route 2.3.4.0/24 next hop 3.4.5.6

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

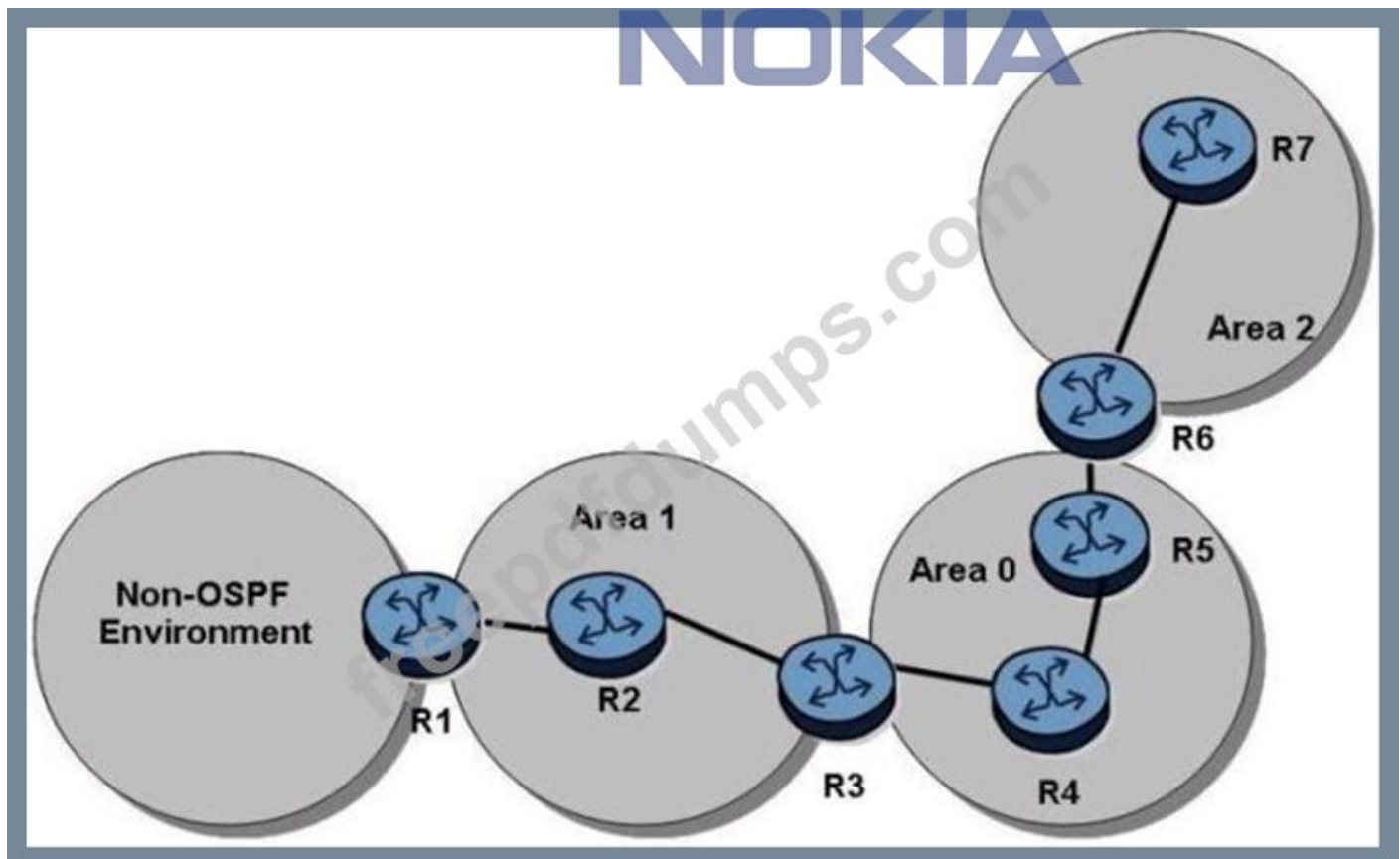
Which of the following commands can be used to display the number of SPF computations that have been performed on a router?

- A. show router ospf interface
- B. show router ospf neighbor
- C. show router ospf status
- D. show router ospf area <area-id>

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 18

Click on the exhibit.



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. There are no stub or NSSA areas. Which of the following regarding LSAs is TRUE?

- A. Only routers R2 and R3 receive Type 5 LSAs advertised by router R1.
- B. Router R3 will advertise Type 7 LSAs to Area 0 and Area 2.
- C. Router R7 will receive Type 5 LSAs advertised by router R1.
- D. Router R2 will receive Type 5 and Type 7 LSAs.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 19

Click the exhibit button.

Exhibit 2.1.i



A static route is created on router R1 "using the "static-route 0.0.0.0/0 next-hop 10.3.3.2" command. What command can be used to test the static route on an Nokia 7750 SR?

- A. ping 10.5.5.5
- B. ping 0.0.0.0
- C. ping static 0.0.0.0/0
- D. ping static 10.5.5.5

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 20

A default route for a client is also known as the:

- A. Default path
- B. Proxy ARP
- C. Default gateway
- D. Gateway path

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 21

What are the types of networks supported on an Nokia 7750 SR for OSPF? (Choose 2)

- A. Point-to-Multipoint
- B. Broadcast
- C. Non-Broadcast Multi-Access
- D. Point-to-Point

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

Click the exhibit button.

•OSPF Version : 2	•OSPF Version : 2
•Router Id : 13.0.0.2	•Router Id : 13.0.0.1
•Area Id : 0.0.0.0	•Area Id : 0.0.0.1
•Checksum : e98c	•Checksum : e98c
•Authentication : Null	•Authentication : Null
•Authentication Key: 00 00 00 00 00 00 00 00	•Authentication Key: 00 00 00 00 00 00 00
•Packet Type : HELLO	•Packet Type : HELLO
•Packet Length : 48	•Packet Length : 48
•	•
•Network Mask : 255.255.255.252	•Network Mask : 255.255.255.252
•Hello Interval : 10	•Hello Interval : 10
•Options : 02	•Options : 02
•Rtr Priority : 1	•Rtr Priority : 1
•Dead Interval : 40	•Dead Interval : 40
•Designated Router : 0.0.0.0	•Designated Router : 0.0.0.0
•Backup Router : 0.0.0.0	•Backup Router : 0.0.0.0

Two neighboring OSPF routers have exchanged the packets shown. What state is the adjacency in?

- A. Full; both routers are exchanging Helios to maintain the adjacency.
- B. The adjacency is in the exchange state.
- C. The adjacency is down.
- D. The adjacency is in exstart state.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 23

A router receives an OSPF database description packet from a neighbor that references an LSA, which is already in the router's LSDB. The sequence number in the DBD packet is lower than the sequence number of the LSA in the LSDB.

What action does the router take?

- A. The router sends a link-state request to its neighbor.
- B. The router sends a link-state update to its neighbor.
- C. The router updates the information in its LSDB with the information received from its neighbor.
- D. The router takes no action.
- E. The router sends a link-state acknowledgement to its neighbor.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 24

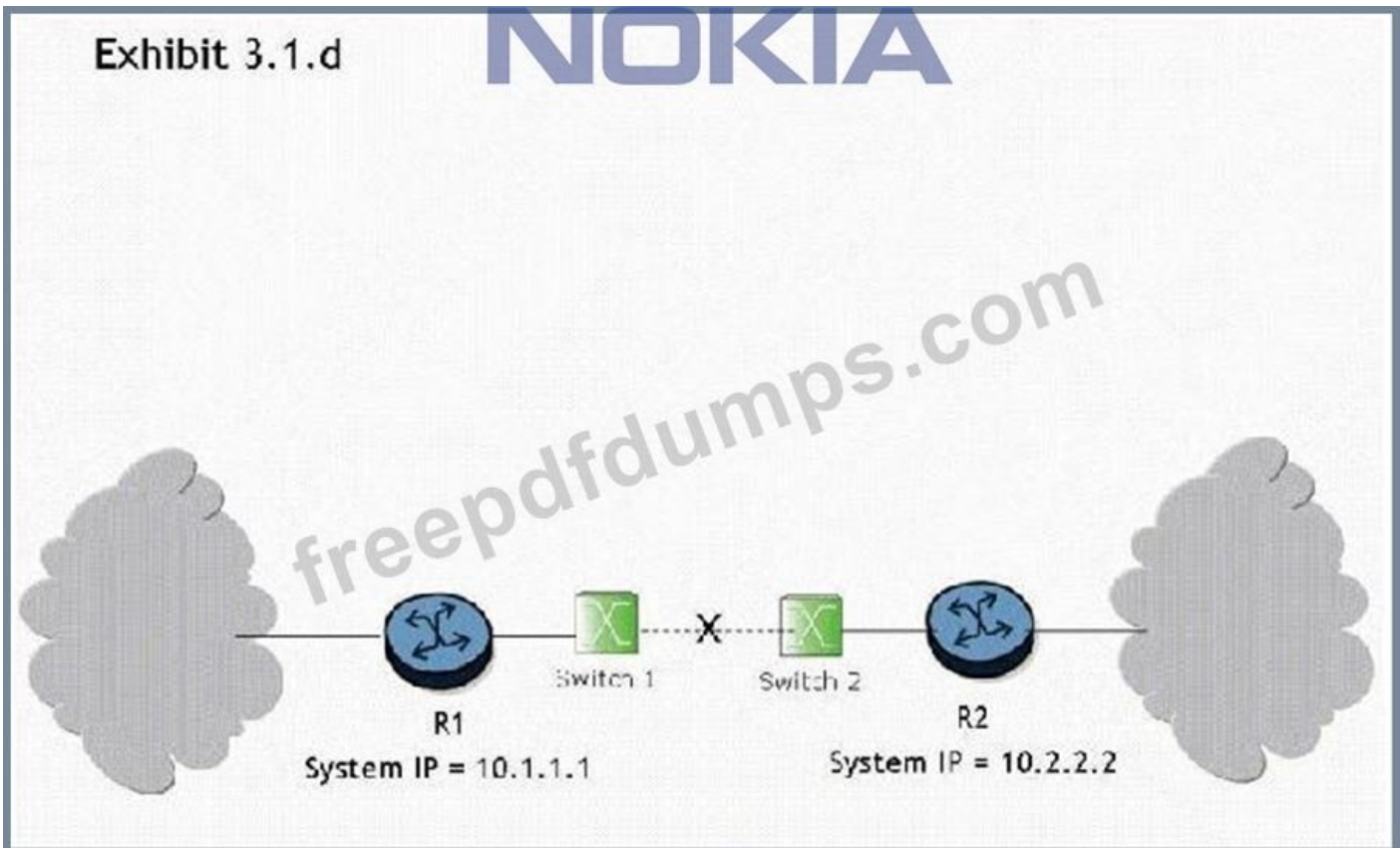
When are virtual links used in OSPF?

- A. When two areas are connected to area 0, but there is no direct path between them.
- B. When an area needs to connect directly to another area without using area 0.
- C. When an area needs to traverse another area to reach area 0.
- D. When two areas need to communicate and there is no area 0.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

Click the exhibit button.



What triggers convergence of the routing protocol when the link between switch 1 and switch 2 goes down?

- A. Convergence will not be triggered because switches cannot run routing protocols between them.
- B. Convergence is triggered when the physical interfaces between routers R1 and R2 go down. At this point, both routers R1 and R2 re-compute their link state database and send updates to their adjacent routers. Once the process is complete for all routers, the networks have converged.
- C. Convergence is triggered when the adjacency between routers R1 and R2 drops as a result of Hello timeouts. At this point, both routers R1 and R2 re-compute their link state database and send updates to their adjacent routers. Once the process is complete for all routers, the networks have converged.

D. Convergence is triggered when the switches notify the routers about the link state information. At this point, both routers R1 and R2 re-compute their link state database and send updates to their adjacent routers. Once the process is complete for all routers, the networks have converged

E. Convergence is triggered when an LSA is sent from router R1 to router R2 to indicate that the link is down. At this point, both routers R1 and R2 re-compute their link state database and send updates to their adjacent routers. Once the process is complete for all routers, the networks have converged.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 26

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

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 27

Click the exhibit button.

```
*A:R1# show router ospf neighbor
-----
OSPF Neighbors
-----
Interface-Name      Rtr Id      State      Pri RebxQ  TTL
-----
toR2                 10.10.10.2  Full       1  0      39
toR3                 10.10.10.3  Full       1  0      31
toR5                 10.10.10.5  Full       1  0      39
-----
No. of Neighbors: 3
-----
*A:R1#
```

The following command sequence is executed on router R2:

A: R2# configure router ospf router-id 10.10.10.99

A: 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?

- A. 10.10.10.1
- B. 10.10.10.2
- C. 10.10.10.66

D. 10.10.10.99

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

What are the three databases maintained by a Link State Protocol?

- A. There are only two databases: adjacency and topology
- B. Neighbor, topology, forwarding
- C. Topology, routing, forwarding
- D. Neighbor, adjacency, route table

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

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

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

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 30

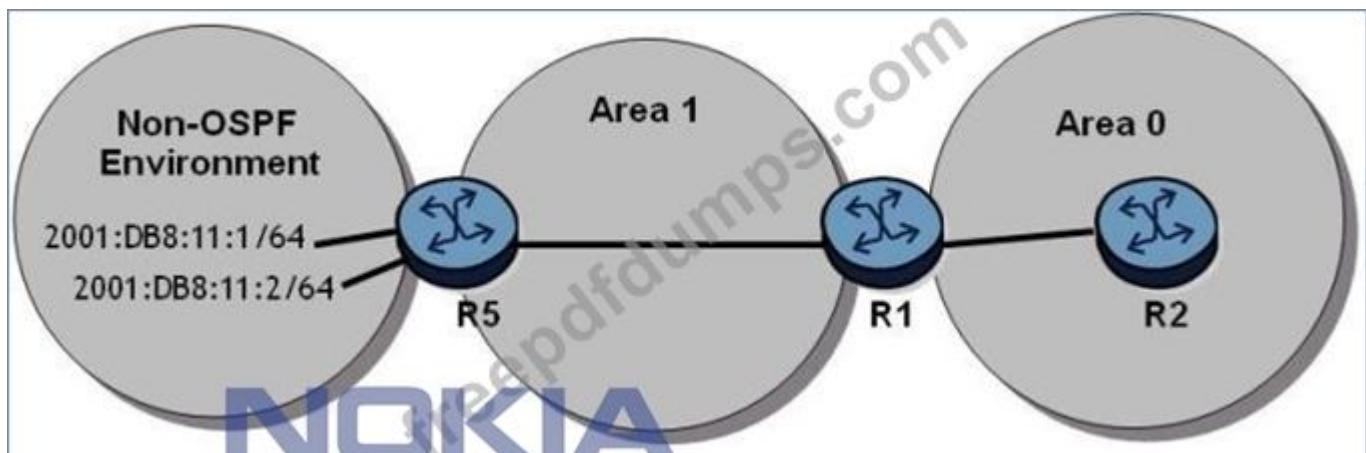
Identify two attributes of Distance Vector Protocols: (Choose two)

- A. Send information about directly connected links to neighbors at periodic intervals.
- B. Maintain multiple databases: neighbor, topology and routing.
- C. Use holddown timers when topologies change to allow for convergence.
- D. Use split horizon by default.

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 31

Click on the exhibit.



The route table on router R2 shows the system address of router R5 but it does not show any of the interfaces from the non-OSPF area.

What may be causing this?

- A. 'asbr' is missing from router R1's configuration.
- B. Router R1 needs to have an export policy added to it.
- C. Router R5 does not have an export policy for these prefixes.
- D. Router R1 needs to have an import policy added to it.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

An interface is configured on a router for OSPF but the command "show router ospf neighbor" does not show any neighbors. Which of the following is NOT a possible cause?

- A. The router has not received a valid OSPF Hello packet from its neighbor.
- B. The interface facing the neighbor is down.
- C. An OSPF database description packet has not been received from the neighbor.
- D. The interface is included in a different area than the neighbor router.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 33

In an IP datagram, which field identifies the receiving application

- A. The protocol field of the transport layer header
- B. The protocol field of the network layer header
- C. The port field of the transport layer header
- D. The port field of the network layer address

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 34

From the list below select the statements that describe the behavior of link state information aging. (Choose 2)

- A. The age is incremented or decremented only as it is held in the topological database and not as it is flooded router to router.

B. The age is incremented or decremented as it is flooded from router to router and as it is held in the topological database.

C. The age for newly created link state information is set to 0 for OSPF and 1200 for IS-IS

D. The age for newly created link state information is set to 1200 for OSPF and 0 for IS-IS

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 35

What is the source IP address in an OSPF update?

A. The system address of the router.

B. 224.0.0.5

C. 224.0.0.6

D. The unicast IP address of the interface the update is sent on

Answer: ([SHOW ANSWER](#))

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