

Nokia.4A0-113.v2022-03-01.q34

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NEW QUESTION: 1

A static route is created using the command "static-route 2.3.4.0/24 next-hop 1.2.3.4". What is the correct traceroute command to test this static route on an Nokia 7750 SR?

- A. traceroute next-hop 1.2.3.4
- B. traceroute 2.3.4.0/24 next-hop 1.2.3.4
- C. traceroute 2.3.4.1
- D. traceroute does not work on the Nokia 7750 SR

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

NEW QUESTION: 2

What type of LSA is used to flood information about prefixes from one OSPF area to other attached areas?

- A. Type 3
- B. Type 4
- C. Type 1
- D. Type 7

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

NEW QUESTION: 3

In an IP datagram, which field identifies the receiving application

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

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

NEW QUESTION: 4

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

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

NEW QUESTION: 5

When are virtual links used in OSPF?

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

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

NEW QUESTION: 6

What address is used when RIPv2 uses multicast to send its updates?

- A. RIPv2 does not have support for multicast
- B. 224.0.0.10
- C. 224.0.0.6
- D. 224.0.0.9
- E. 224.0.0.5

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

NEW QUESTION: 7

Choose the Distance Vector Protocols from the list below:

- A. RIPv1
- B. RIPv2
- C. OSPF
- D. IS-IS

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

NEW QUESTION: 8

Which of the following conditions will prevent an OSPF adjacency from reaching the full state?

Choose three answers.

- A. Area ID not the same
- B. MTU mismatch
- C. Incorrect subnet mask

- D. System interface not included in OSPF
- E. Different metric set on each end of the link
- F. Router ID not defined

Answer: A,B,C (LEAVE A REPLY)

NEW QUESTION: 9

What is the default priority value used for electing the DR on an Nokia 7750 SR running OSPF on an Ethernet?

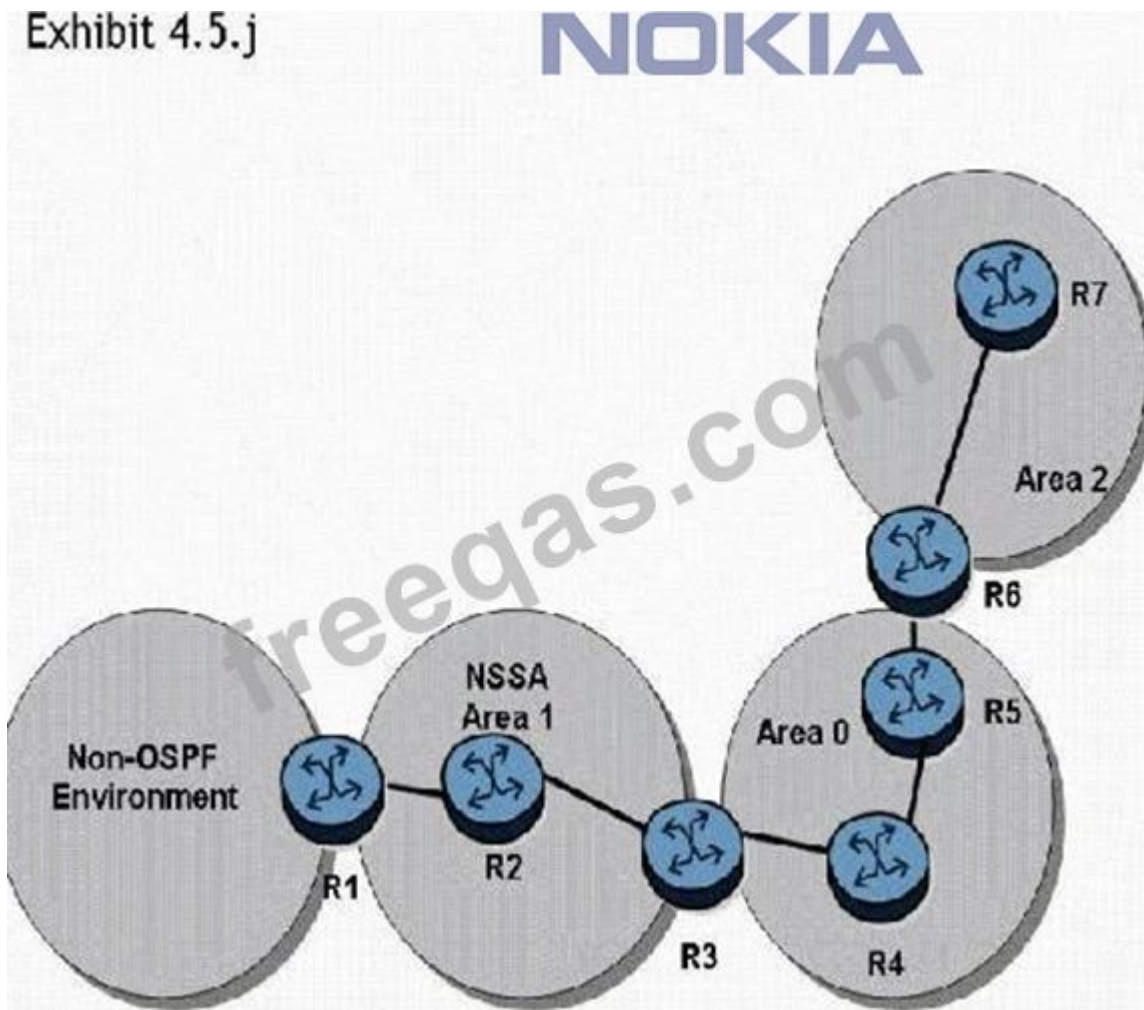
- A. Priority of 64
- B. Priority of 0
- C. Priority of 1
- D. Priority of 255

Answer: C (LEAVE A REPLY)

NEW QUESTION: 10

Click the exhibit button.

Exhibit 4.5.j



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. Which of the following statements regarding the OSPF LSAs in the network is true?

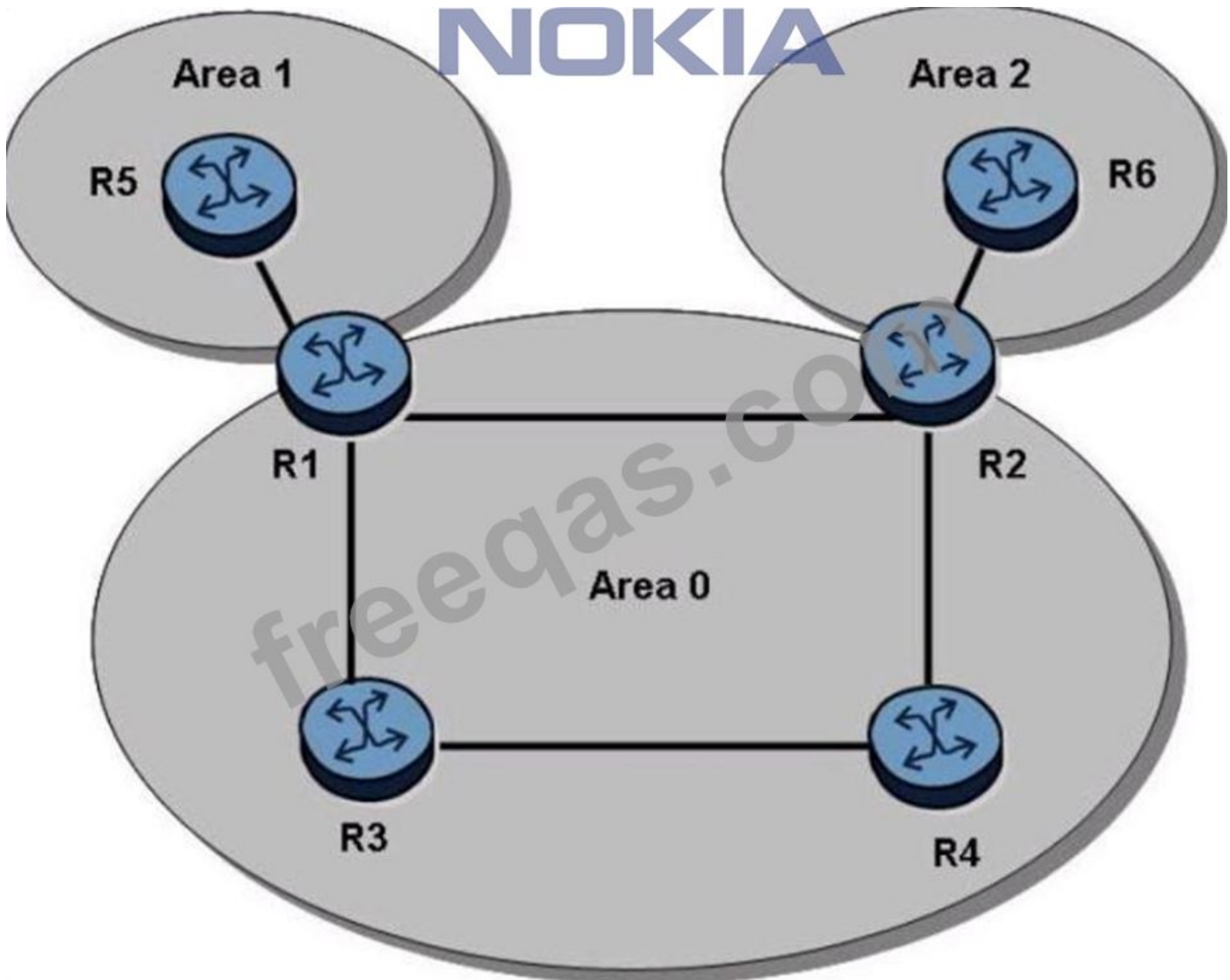
- A. Router R1 generates a type 7 LSA that is flooded through area 1. Router R3 generates a type 5 LSA that is flooded through areas 0 and 2.

- B. Router R1 generates a type 5 LSA that is flooded through all OSPF areas.
- C. Router R1 generates a type 7 LSA that is flooded through all OSPF areas.
- D. Router R1 generates a type 5 LSA that is flooded through area 1. Router R2 generates a type 7 LSA that is flooded through areas 0 and 2.

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

NEW QUESTION: 11

Refer to the exhibit.



Assume that OSPFv3 is properly configured on all routers and that R4 advertises its system prefix into Area 0. Which of the following statements best describes how R5 learns R4's IPv6 system prefix?

- A. With an Inter-Area Prefix LSA originated by R4
- B. With a Router LSA originated by R4
- C. With an Inter-Area Prefix LSA originated by R1
- D. With an Inter-Area Prefix LSA originated by R5
- E. With a Router LSA originated by R1
- F. With a Router LSA originated by R5

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

Click the exhibit button.

```
*A:R1# show router ospf neighbor
-----
OSPF Neighbors
-----
Interface-Name      Rtr Id      State      Pri RetxQ  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. 10.10.10.99
- B. 10.10.10.66
- C. 10.10.10.2
- D. 10.10.10.1

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

NEW QUESTION: 13

Click the exhibit button.

Exhibit 4.6.g

```
*A:R3>config>router>ospf# show router route-table  
Route Table (Router: Base)
```

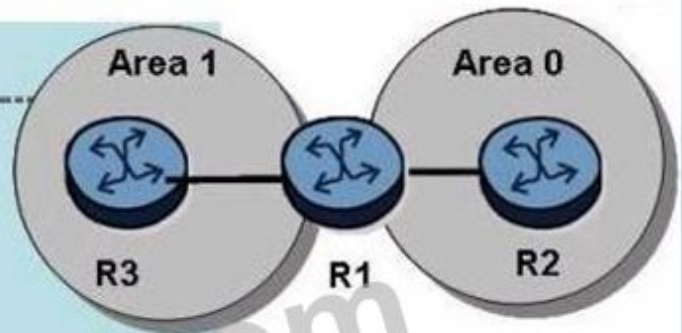
Dest Prefix	Type	Proto	Age	Pref
0.0.0.0/0	Remote	OSPF	00h00m23s	10
10.1.3.1			101	
10.1.3.0/27	Local	Local	05d10h00m	0
toR1			0	
10.10.10.3/32	Local	Local	0144d08h	0
system			0	

No. of Routes: 3

```
*A:R2# show router route-table 192.168.0.0/16 longer  
Route Table (Router: Base)
```

Dest Prefix	Type	Proto	Age	Pref
192.168.1.0/24	Local	Local	01h09m41s	0
loop1			0	
192.168.2.0/24	Local	Local	01h09m41s	0
loop2			0	
192.168.3.0/24	Local	Local	01h09m40s	0
loop3			0	
192.168.4.0/24	Local	Local	01h09m40s	0
loop4			0	

No. of Routes: 4



Given the topology and the show commands, and assuming that router R2 advertises all of its loopbacks into OSPF, what is the correct router R1 configuration?

```
A. *A:R1>config>router>ospf# info
-----
area 0.0.0.0
 interface "toR2"
   interface-type point-to-point
 exit
exit
area 0.0.0.1
 nssa
  originate-default-route
  no summaries
 exit
 interface "toR3"
   interface-type point-to-point
 exit
exit
```

```
*A:R1>config>router>ospf#
```

```
B. *A:R1>config>router>ospf# info
-----
area 0.0.0.0
 interface "toR2"
   interface-type point-to-point
 exit
exit
area 0.0.0.1
 nssa
  originate-default-route
 exit
 interface "toR3"
   interface-type point-to-point
 exit
exit
```

```
*A:R1>config>router>ospf#
```

```
C. *A:R1>config>router>ospf# info
-----
area 0.0.0.0
 interface "toR2"
   interface-type point-to-point
 exit
exit
area 0.0.0.1
 area-range 192.168.0.0/16 advertise
 interface "toR3"
   interface-type point-to-point
 exit
exit
```

```
*A:R1>config>router>ospf#
```

```
D. *A:R1>config>router>ospf# info
-----
area 0.0.0.0
 area-range 192.168.0.0/16 advertise
 interface "toR2"
   interface-type point-to-point
 exit
exit
area 0.0.0.1
 interface "toR3"
   interface-type point-to-point
 exit
exit
```

```
*A:R1>config>router>ospf#
```

A. Option D

B. Option B

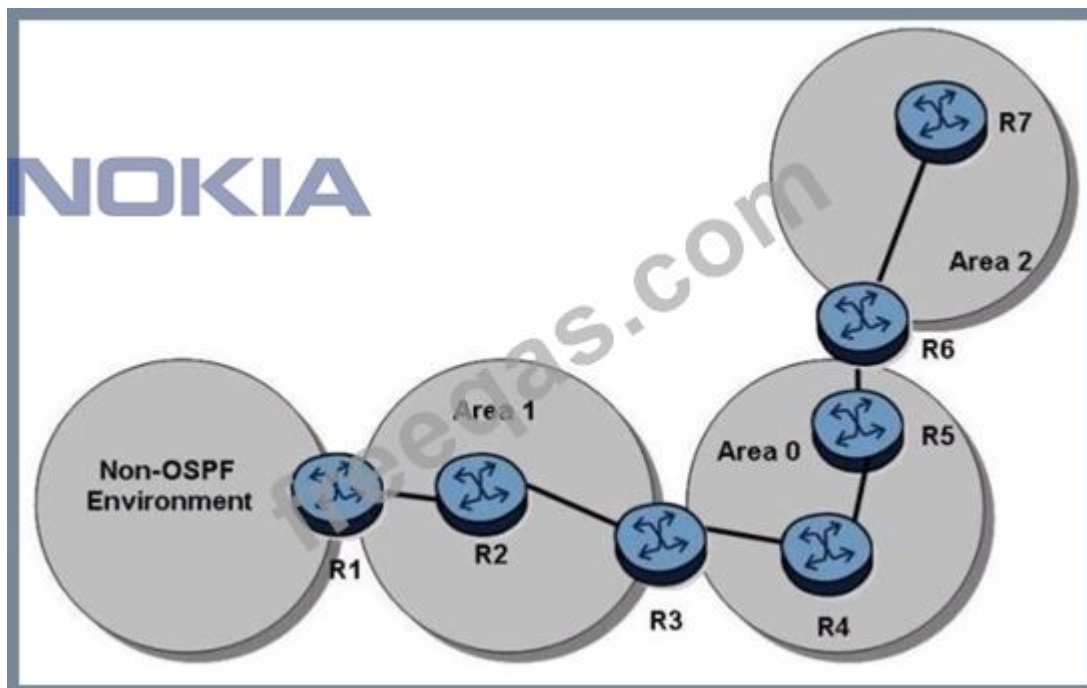
C. Option C

D. Option A

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

NEW QUESTION: 14

Click the exhibit button.



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. Assuming that there are no stub networks, which of the following statements regarding Type 4 LSA generation is true?

- A. Router R1 generates a Type 4 LSA that is flooded to areas 0, 1, and 2.
- B. Router R3 generates a Type 4 LSA that is flooded to areas 0, 1, and 2.
- C. Router R3 generates a Type 4 LSA that is flooded to area 0, and router R6 generates a Type 4 LSA that is flooded to area 2.
- D. Router R3 generates a Type 4 LSA that is flooded to areas 0 and 2.

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

NEW QUESTION: 15

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

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

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 16

A static route is created using the command "static-route 0.0.0.0/0 next-hop 3.3.3.1". What command could be used to test the static route on an Nokia 7750 SR?

- A. Ping static 0.0.0.0/0
- B. Ping static 3.3.3.1
- C. Ping 3.3.3.1
- D. Ping 0.0.0.0

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

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NEW QUESTION: 17

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

NEW QUESTION: 18

Select the answer below that correctly lists the 5 different OSPF packet types.

- A. Hello, Link State Refresh, Link State Update, Link State Acknowledgement, Link State Authentication
- B. Hello, Link State Update, Link State Request, Link State Acknowledgement, Database Descriptor
- C. Link State Update, Link State Refresh, Link State Acknowledgement, Database Descriptor, Notification
- D. Hello, Link State Update, Link State Packet, Link State Acknowledgement, Database Descriptor

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 19

When an OSPF adjacency is stuck in the "ExchStart" state, what is the most likely cause?

- A. The Router ID is the same on both routers
- B. The MTU does not match on both interfaces
- C. A OSPF Hello has not been received from the neighbor
- D. OSPF is not enabled on one of the routers

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

NEW QUESTION: 20

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 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 exstart state.
- C. The adjacency is in the exchange state.
- D. The adjacency is down.

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

NEW QUESTION: 21

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

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

NEW QUESTION: 22

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

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

NEW QUESTION: 23

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

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: ([SHOW ANSWER](#))

NEW QUESTION: 25

In an OSPF Hello packet what fields must match all neighbor routers on the segment? (Choose 3)

- A. DR and BDR addresses
- B. The list of neighbors
- C. Area ID
- D. Stub flag
- E. Hello and Dead Intervals

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

NEW QUESTION: 26

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

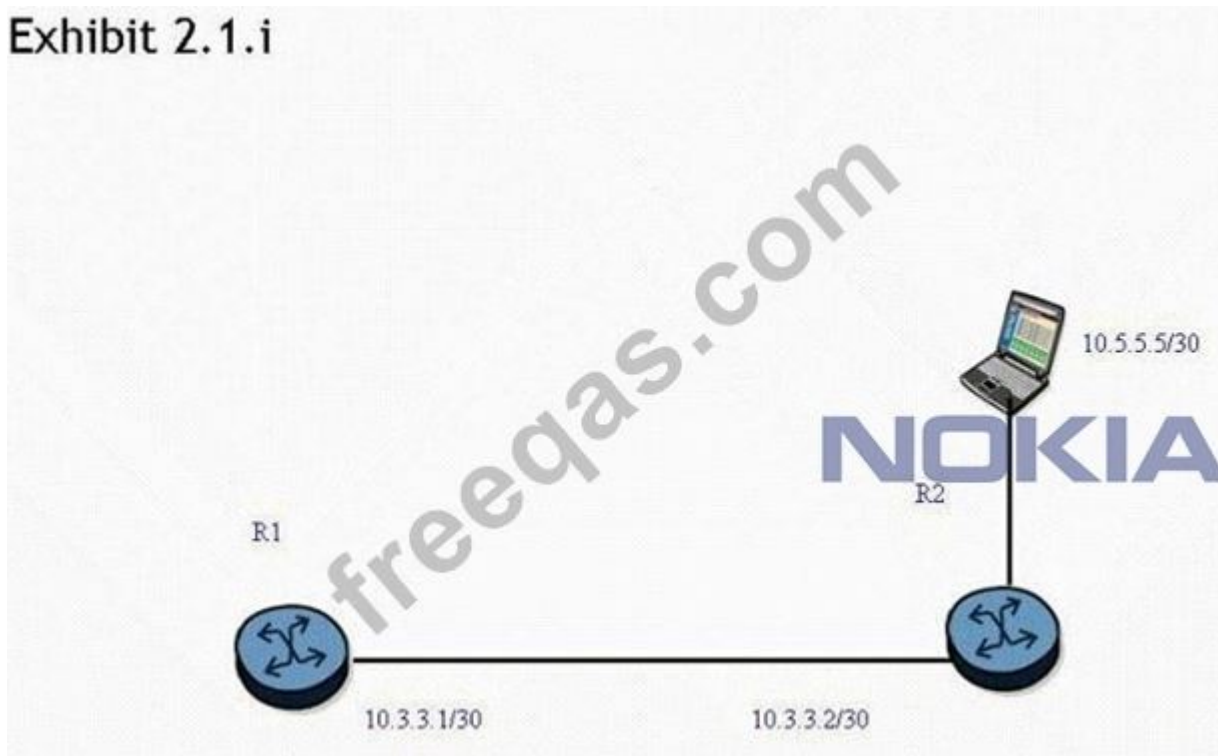
- A. The subnet mask must be removed from the OSPF route
- B. The router must be configured as an ASBR
- C. The metric must be set accordingly for RIP
- D. You must divide the cost of the OSPF route by three

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

NEW QUESTION: 27

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

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

NEW QUESTION: 28

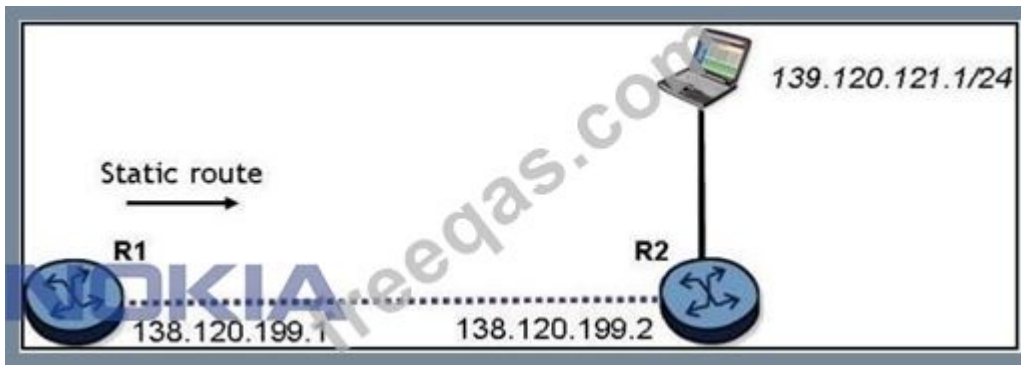
What command will show the OSPF neighbors, and their status on the Nokia 7750 SR?

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

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

NEW QUESTION: 29

Click the exhibit button.



What is the command to configure a static route on the Nokia 7750 SR router R1 to reach the network behind router R2?

- A. configure router static-route 139.120.121.0/24 next-hop 139.120.121.2
- B. configure router static-route 139.120.121.0/24 next-hop 138.120.199.1
- C. configure router static-route 138.120.199.2/24 next-hop 138.120.199.1
- D. configure router static-route 139.120.121.0/24 next-hop 138.120.199.2

Answer: D (LEAVE A REPLY)

NEW QUESTION: 30

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 31

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

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

Answer: (SHOW ANSWER)

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NEW QUESTION: 32

What command could be used to verify proper configuration of a static route in an Nokia 7750 SR router?

- A. Show router routing-table
- B. Show route-table
- C. Show static
- D. Show router route-table

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

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

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

NEW QUESTION: 34

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

Answer: D (LEAVE A REPLY)

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