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Nokia OSPF Routing Protocol Exam

Nokia 4A0-113

Version Demo

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QUESTION NO: 1

Which of the following types of networks are supported on an Nokia 7750 SR for OSPF? Choose two answers.

A. Broadcast

B. Non-broadcast multi-access

C. Point-to-point

D. Point-to-multipoint
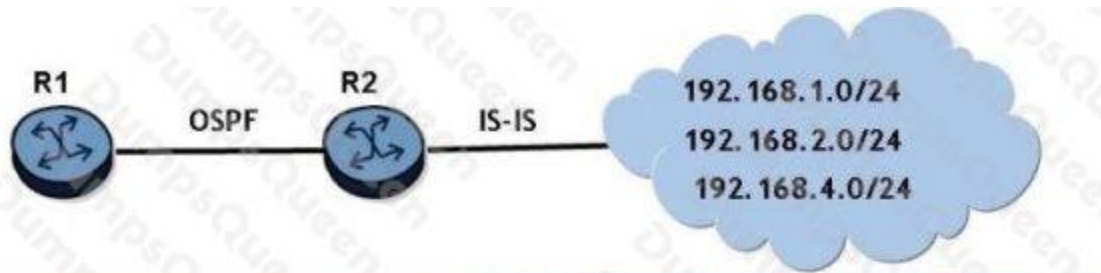
ANSWER: A C

QUESTION NO: 2

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 only when route summarization is configured.

C. An OSPF type 3 LSA is an inter-area LSA, generated by an ASBR to describe external routes.

D. An OSPF type 3 LSA is an inter-area LSA, generated by the ABR to describe a route to neighbors outside the area.

ANSWER: D

QUESTION NO: 3

Click on the exhibit.

```
*A:AIRP_RO2>config>router>ospf# info
--------------------------------------------------
        asbr
        export "isis-ospf"
        area 0.0.0.0
            interface "system"
                no shutdown
            exit
            interface "toR1"
                interface-type point-to-point
                no shutdown
            exit
        exit
--------------------------------------------------
*A:AIRP_RO2>config>router>ospf#
```

```
*A:AIRP_RO2>config>router>policy-options# info
--------------------------------------------------
        prefix-list "no-redist"
            prefix 192.168.2.0/24 exact
        exit
        prefix-list "redist-16"
            prefix 192.168.0.0/16 longer
        exit
        policy-statement "isis-ospf"
            entry 10
                from
                    protocol isis
                    prefix-list "redist-16"
                exit
                action accept
                exit
            exit
            entry 20
                from
                    protocol isis
                    prefix-list "no-redist"
                exit
                action reject
                exit
            exit
        exit
--------------------------------------------------
*A:AIRP_RO2>config>router>policy-options#
```

Router R2 learns the networks shown from IS-IS. Router R2 is configured to redistribute routes from IS-IS to OSPF as shown. Assume the OSPF and IS-IS adjacencies are operational.
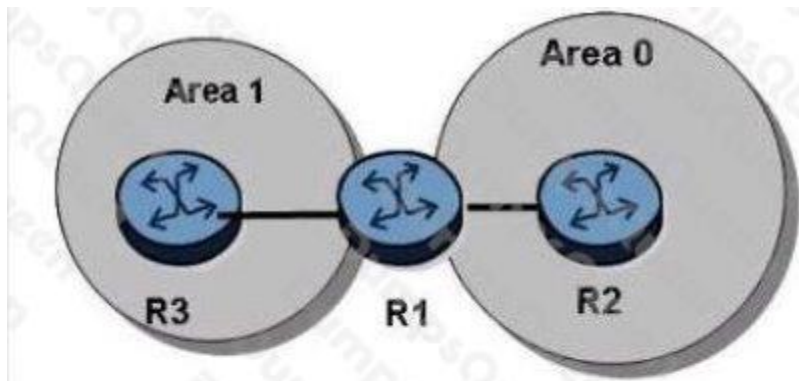
How many OSPF Type 5 LSAs will router R1 receive from router R2?

A. 0

B. 1

C. 2

D. 3

E. 4

ANSWER: D

QUESTION NO: 4

Click the exhibit button.

```
"A:R3>config>router>ospf# info
--------------------------------------------
        area 0.0.0.1
            stub
            exit
            interface "system"
            exit
            interface "toR1"
                interface-type point-to-point
                authentication-type password
                authentication-key
"i/XVK6X/L7YM44ZaNqVrJKWb5q244dGbfRvF4eS5KH." hash2
            exit
        exit
--------------------------------------------
"A:R3>config>router>ospf#
```

```
"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
            stub
            exit
            interface "system"
            exit
            interface "toR3"
                interface-type point-to-point
                authentication-type password
                message-digest-key 1 md5
"d7oaaU5pMrRRj7Xl3w7bZxF9h6rw3D0oYBUOKD.mtFs" hash2
            exit
        exit
--------------------------------------------
"A:R1>config>router>ospf#
```

The OSPF adjacency between routers R3 and R1 is down. What is the problem?

A. Area 1 of router R1 should not be configured as a stub.

B. Router R3 has the incorrect authentication key type.

C. Router R1 has the incorrect authentication key type.

D. There is not enough information to tell.

ANSWER: C

QUESTION NO: 5

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

A. Hello, Link State Update, Link State Packet, Link State Acknowledgement, Database Descriptor

B. Link State Update, Link State Refresh, Link State Acknowledgement, Database Descriptor, Notification

C. Hello, Link State Refresh, Link State Update, Link State Acknowledgement, Link State Authentication

D. Hello, Link State Update, Link State Request, Link State Acknowledgement, Database Descriptor

ANSWER: D

QUESTION NO: 6

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: 7

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

A. Not so stubby areas

B. Level1 area WC

C. Stub areas

D. Partially stubby areas

E. Level 2 areas

ANSWER: A C

QUESTION NO: 8

What best describes the type of packets used by OSPF routers to exchange updates on a pointto-point link?

A. IP packets sent to an IP multicast address.

B. Ethernet frames sent to an Ethernet multicast address.

C. IP packets sent to an IP unicast address.

D. UDP packets sent to an IP multicast address.

ANSWER: A

QUESTION NO: 9

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: 10

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