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**Vendor:**Cisco

**Exam Code:**300-101

**Exam Name:**Implementing Cisco IP Routing

**Version:**Demo

### QUESTION 1

What is the default authentication in RIPv2 when authentication is enabled

- A. SHA1 authentication
- B. Enable password authentication
- C. Plain text authentication
- D. MD5 authentication

Correct Answer: C

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### QUESTION 2

For a GRE tunnel to be up between two routers, which of the following must be configured?

- A. Loopback Interface
- B. IP reachability between the loopback interfaces
- C. Dynamic Routing between routers
- D. Tunnel interfaces must be in the same subnet

Correct Answer: D

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### QUESTION 3

if you run the command auto-cost reference-bandwidth 10000 one of the router in the network, what will happen?

- A. it will make 10Gbps on all them
- B. It will make 10Gbps on this router only
- C. It will make 100 Gbps on all of them
- D. It will make 1000 Gbps on all of them

Correct Answer: B

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### QUESTION 4

Which statement is true about 6to4 tunneling?(Choose Two)

- A. IPv4 traffic is encapsulated with an IPv6 header
- B. the edge router can use locally configured IPv6 address

- C. host and routers inside a 6to4 site will need a special code
- D. an edge router must use IPv6 address of 2002::/16 in its prefix

Correct Answer: BD

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#### QUESTION 5

The enterprise network WAN link has been receiving several denial of service attacks from both IPv4 and IPv6 sources. Which three elements can you use to identify an IPv6 packet via its header, in order to filter future attacks? (Choose three.)

- A. Traffic Class
- B. Source address
- C. Flow Label
- D. Hop Limit
- E. Destination Address
- F. Fragment Offset

Correct Answer: BCE

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#### QUESTION 6

In a point-to-multipoint Frame Relay topology, which two methods ensure that routing updates are received by all EIGRP routers within the Frame Relay network? (Choose two)

- A. Disable split horizon
- B. Use subinterfaces
- C. Disable EIGRP auto summary
- D. Create separate address families
- E. Use statically defined EIGRP neighbors on the hub site

Correct Answer: AB

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#### QUESTION 7

A network engineer enables a trunk port and encounters the following message: %LINEPROTO-5- UPDOWN: Line protocol on Interface FastEthernet 1/1, changed state to up. What is the severity level of this message?

- A. alert
- B. critical

C. notification

D. informational

Correct Answer: C

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### QUESTION 8

What is true about EIGRP's redistributed static routes and summarized routes (choose two):

A. summary routes have AD of 5

B. static redistributed routes have AD of 170

C. <https://www.CertBus.com/300-101.html>

D. <https://www.CertBus.com/300-101.html>

Correct Answer: AB

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### QUESTION 9

Which is the minimum privilege level to allow a user to execute all user-level commands but prohibits enable-level commands by default?

A. level 0

B. level 1

C. level 14

D. level 15

E. level 16

Correct Answer: B

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### QUESTION 10

The network engineer types the follow commands in a router:

"logging host 172.16.10.12

"logging trap 5"

What do these commands do?

A. Export messages of notifications for an external server

B. Show notifications in cli

C. Sends info to host 172.16.10.12 with notifications less than or equal to 5

D. Sends info to host 172.16.10.12 with notifications greater than or equal to 5

Correct Answer: C

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#### QUESTION 11

By default, what is the maximum number of equal-metric paths that BGP uses for load balancing?

A. 1

B. 2

C. 4

D. 6

Correct Answer: D

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#### QUESTION 12

Refer to the exhibit. Based on the output from the show ip protocols vrf RED command, what is happening with the routing processes?

```
Routing protocol is "ospf1"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Router ID 10.1.1.1
It is an area border and autonomous system boundary router
Redistributing External Routes from,
bgp 800, includes subnets in redistribution
Number of areas in this router is 1.1 normal 0 stub 0 nssa
Maximum path: 4
Routing for networks:
10.1.1.0.0.0.0.255 area 0
Reference bandwidth unit is 100 mbps
Routing Information Sources:
Gateway Distance Last Update
Distance: (default is 100)
```

A. BGP 800 is redistributing into OSPF 1

B. Static routers are redistributed into BGP 800

C. OSPF 1 is redistributing into BGP 800

D. Static routes are redistributed into OSPF 1

Correct Answer: A

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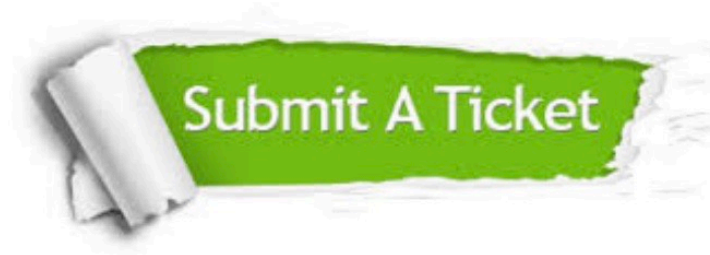
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