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**Vendor:**Cisco

**Exam Code:**300-135

**Exam Name:**Troubleshooting and Maintaining Cisco  
IP Networks

**Version:**Demo

**QUESTION 1**

What are two primary components of a GRE tunnel? (Choose two.)

- A. LLC header
- B. Ethernet header
- C. GRE header
- D. IP header
- E. payload packet

Correct Answer: CE

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**QUESTION 2**

You are troubleshooting a connection between a console port on one router and an AUX port on another router. Which cable type must be used for this connection?

- A. Crossover cable
- B. Straight cable
- C. Rollover cable
- D. DB-25 DCE cable

Correct Answer: C

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**QUESTION 3**

Drag and drop the GRE header fields from the left into the correct categories on the right.

Select and Place:

GRE Header

checksum

key

protocol type

reserved0

sequence number

version

GRE Header Extension

Correct Answer:

#### GRE Header

protocol type

reserved0

version

checksum

#### GRE Header Extension

key

sequence number

#### QUESTION 4

Which IPsec mode will encrypt a GRE tunnel to provide multiprotocol support and reduced overhead?

- A. 3DES
- B. multipoint GRE
- C. tunnel
- D. transport

Correct Answer: D

#### QUESTION 5

```
router eigrp 10 redistribute ospf 1 route-map OSPF->EIGRP network 10.1.4.0 0.0.0.255 network 10.1.10.0 0.0.0.255
network 10.1.21.128 0.0.0.3 default-metric 100000 100 100 1 1500 no auto-summary ! route-map OSPF->EIGRP deny
10 match tag 90 route-map OSPF->EIGRP deny 20 set tag 110
```

The Fault Condition is related to which technology?

- A. NTP

- B. IP DHCP Server
- C. IPv4 OSPF Routing
- D. IPv4 EIGRP Routing
- E. IPv4 Route Redistribution
- F. IPv6 RIP Routing
- G. IPv6 OSPF Routing
- H. IPv4 and IPv6 Interoperability
- I. IPv4 layer 3 security

Correct Answer: E

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#### QUESTION 6

There was a question on how to limit debug output for a particular interface and one of the options was debug condition interface g0/0 which I think was the correct answer.

- A. debug condition interface g0/0
- B. <https://www.CertBus.com/300-125.html>

Correct Answer: A

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#### QUESTION 7

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241.

After several changes to the network addressing, routing scheme, DHCP services, NTP services, layer 2 connectivity, FHRP services, and device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.

Use the supported commands to isolated the cause of this fault and answer the following questions.

On which device is the fault condition located?

- A. R1
- B. R2
- C. R3
- D. R4

- E. DSW1
- F. DSW2
- G. ASW1
- H. ASW2

Correct Answer: E

On DSW1, VLAN ACL, Need to delete the VLAN access-map test1 whose action is to drop access-list 10; specifically 10.2.1.3

Since Client1 is not able to ping DSW1 we can deduce that the problem lies with DSW1. Upon closer examination we see that the VLAN filter list being applied to this device is filtering out the network that DSW is on.

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### QUESTION 8

Which tunnel technology provide multicast, security and simplicity?

- A. IPsec
- B. GRE over IPsec
- C. <http://www.CertBus.com/300-135.html>
- D. <http://www.CertBus.com/300-135.html>

Correct Answer: B

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### QUESTION 9

Which of the following are byproducts of a structured maintenance plan? (Choose all that apply.)

- A. Predictable security vulnerabilities
- B. Economies of scale
- C. Improved expenditure forecasts
- D. Increased downtime
- E. Predictable equipment obsolescence
- F. Consumption of fewer resources

Correct Answer: ABCEF

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### QUESTION 10

DRAG DROP

Drag the ping and traceroute extended command from the left onto the corresponding purpose on the right.

Select and Place:

df-bit	specifies the packet classification
tll	allows for testing the path MTU
timeout	determines the maximum hop count
tos	sets the interval to wait for a response

Correct Answer:

	tos
	df-bit
	tll
	timeout

QUESTION 11

which feature allows a floating route to be quickly installed into the routing table when GRE communications are disrupted?

- A. tracking objects

- B. HSRPv2
- C. GRE keepalives
- D. IP SLA

Correct Answer: A

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## QUESTION 12

The implementations group has been using the test bed to do a 'proof-of-concept'.

After several changes to the network addressing, routing schemes, a trouble ticket has been opened indicating that the loopback address on R1 (2026::111:1) is not able to ping the loopback address on DSW2(2026::102:1).

Use the supported commands to isolated the cause of this fault and answer the following questions.

What is the solution to fault condition?

- A. Under the interface Serial 0/0/0.23 configuration enter the ipv6 ospf 6 area 0 command.
- B. Under the interface Serial0/0/0.12 configuration enter the ipv6 ospf 6 area 12 command.
- C. Under ipv6 router ospf 6 configuration enter the network 2026::1:/122 area 0 command.
- D. Under ipv6 router ospf 6 configuration enter no passive-interface default command.

Correct Answer: A

On R2, IPV6 OSPF routing, configuration is required to add ipv6 ospf 6 area 0 under interface serial 0/0/0.23.

Unlike OSPF on IPv4 where networks are added under the routing process, IPv6 needs OSPFv3 enabled on a per-interface basis.

This has been done on the R3 connection to R2, but not on the R2 connection back to R3. We will need to add the "ipv6 ospf 6 area 0" configuration command to the s0/0/0/0.23 interface of R2.



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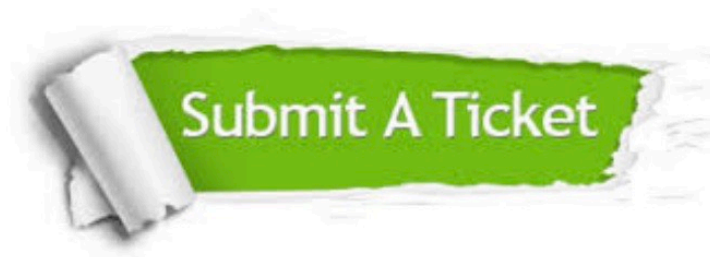
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