



300-101^{Q&As}

Implementing Cisco IP Routing

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QUESTION 1

Engineer has to enable RIP on a link. Where he will issue the command?

- A. Ipv6
- B. Global
- C. Router sub command
- D. Interface subcommand

Correct Answer: C

QUESTION 2

Which task must you perform to implement EIGRP for IPv6 on a device?

- A. Use the ipv6 cef command to enable Cisco Express Forwarding on the device.
- B. Configure a loopback interface on the device.
- C. Manually configure the router ID
- D. Statically configure a neighbor statement

Correct Answer: C

QUESTION 3

Which SNMP model and level can provide DES encryption?

- A. SNMPV2 noAuthNoPriv
- B. SNMPV3 authNoPriv
- C. SNMPV3 authPriv
- D. SNMPV3 noAuthNoPriv

Correct Answer: C

QUESTION 4

A network engineer notices that transmission rates of senders of TCP traffic sharply increase and decrease simultaneously during periods of congestion. Which condition causes this?

- A. global synchronization



- B. tail drop
- C. random early detection
- D. queue management algorithm

Correct Answer: A

TCP global synchronization in computer networks can happen to TCP/IP flows during periods of congestion because each sender will reduce their transmission rate at the same time when packet loss occurs. Routers on the Internet normally have packet queues, to allow them to hold packets when the network is busy, rather than discarding them. Because routers have limited resources, the size of these queues is also limited. The simplest technique to limit queue size is known as tail drop. The queue is allowed to fill to its maximum size, and then any new packets are simply discarded, until there is space in the queue again. This causes problems when used on TCP/IP routers handling multiple TCP streams, especially when bursty traffic is present. While the network is stable, the queue is constantly full, and there are no problems except that the full queue results in high latency. However, the introduction of a sudden burst of traffic may cause large numbers of established, steady streams to lose packets simultaneously.

QUESTION 5

Drag and drop the statements about NAT64 from the left onto the correct NAT64 types on the right

Select and Place:

ALG is not supported.	Stateful <div></div> <div></div> <div></div>
It supports FTP64 for ALG.	
It supports PAT and overload.	
It supports one-to-one mappings only.	Stateless <div></div> <div></div> <div></div>
It allows IPv6 systems to use any type of IPv6 address.	
It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.	

Correct Answer:



Stateful

It supports FTP64 for ALG.

It supports PAT and overload.

It allows IPv6 systems to use any type of IPv6 address.

Stateless

ALG is not supported.

It supports one-to-one mappings only.

It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.

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