

# 300-101<sup>Q&As</sup>

Implementing Cisco IP Routing

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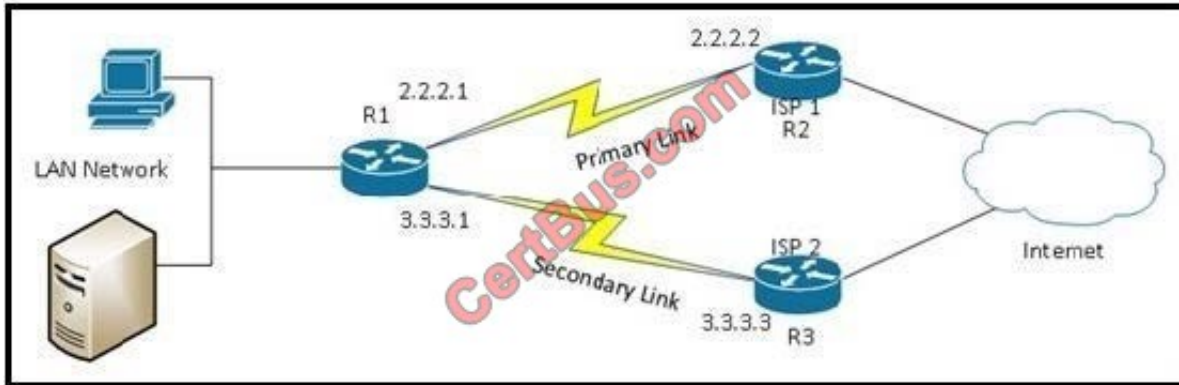
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### QUESTION 1

Refer to the exhibit.



Which technology can be employed to automatically detect a WAN primary link failure and failover to the secondary link?

- A. HSRP
- B. VRRP
- C. IP SLA
- D. multicast

Correct Answer: C

### QUESTION 2

Which command instruct a PPPoE client to obtain its IP address from the PPPoE server?

- A. Interface dialer
- B. ip address negotiated
- C. pppoe enable
- D. Ip address DHCP
- E. Ip address dynamic

Correct Answer: B

### QUESTION 3

Which protocol is used in a DMVPN network to map physical IP addresses to logical IP addresses?

- A. BGP
- B. LLDP
- C. EIGRP
- D. NHRP

Correct Answer: D

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#### QUESTION 4

Which item does EIGRP IPv6 require before it can start running?

- A. router ID
- B. DHCP server
- C. subnet mask
- D. default gateway

Correct Answer: A

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#### QUESTION 5

Which alerts will be seen on the console when running the command: logging console warnings.?

- A. warnings only
- B. warnings, notifications, error, debugging, informational
- C. warnings, errors, critical, alerts, emergencies
- D. notifications, warnings, errors
- E. warnings, errors, critical, alerts

Correct Answer: C

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#### QUESTION 6

When a new PC is connected to the network, which step must it take first to receive a DHCP address?

- A. It sends a DHCPHELLO message to the DHCP server IP address
- B. It sends a DHCPREQUEST message to the DHCP server IP address

C. It sends a DHCPREQUEST message to 255.255.255.255

D. It sends a DHCPDISCOVER message to 255.255.255.255

Correct Answer: D

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#### QUESTION 7

How big is the smallest packet that will always be fragmented on a standard Ethernet network with default configuration?

A. 1500 bytes

B. 1800 bytes

C. 2048 bytes

D. 2100 bytes

Correct Answer: B

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#### QUESTION 8

Which feature can mitigate fragmentation issues within network segments that are between GRE endpoints?

A. PMTU

B. ICMP DF bit

C. TCP Flow Control

D. TCP MSS

Correct Answer: D

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#### QUESTION 9

A user is having issues accessing file shares on a network. The network engineer advises the user to open a web browser, input a prescribed IP address, and follow the instructions. After doing this, the user is able to access company shares. Which type of remote access did the engineer enable?

A. EZVPN

B. IPsec VPN client access

C. VPDN client access

D. SSL VPN client access

Correct Answer: D

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The Cisco AnyConnect VPN Client provides secure SSL connections to the security appliance for remote users. Without a previously installed client, remote users enter the IP address in their browser of an interface configured to accept SSL VPN connections. Unless the security appliance is configured to redirect http:// requests to https://, users must enter the URL in the form https://. After entering the URL, the browser connects to that interface and displays the login screen. If the user satisfies the login and authentication, and the security appliance identifies the user as requiring the client, it downloads the client that matches the operating system of the remote computer. After downloading, the client installs and configures itself, establishes a secure SSL connection and either remains or uninstalls itself (depending on the security appliance configuration) when the connection terminates. Reference:

<http://www.cisco.com/c/en/us/support/docs/security/asa-5500-x-series-next-generationfirewalls/100936-asa8x-splittunnel-anyconnect-config.html>

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#### QUESTION 10

Which routing protocol suppresses both the incoming and outgoing route advertisements when you configure the passive-interface command on the interface?

- A. OSPF
- B. EIGRP
- C. RIP
- D. ISIS
- E. BGP

Correct Answer: B

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#### QUESTION 11

What is the minimum privilege level to enter all commands in usermode?

- A. Level 1
- B. Level 0
- C. Level 14
- D. Level 15

Correct Answer: A

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#### QUESTION 12

Your company uses Voice over IP (VoIP). The system sends UDP datagrams containing the voice data between communicating hosts. When areas of the network become busy, some of the datagrams arrive at their destination out of order. What happens when this occurs?

- A. UDP will send an ICMP Information request message to the source host.

- B. UDP will pass the information in the datagrams up to the next OSI layer in the order in which they arrive.
- C. UDP will drop the datagrams that arrive out of order.
- D. UDP will use the sequence numbers in the datagram headers to reassemble the data into the ...

Correct Answer: B

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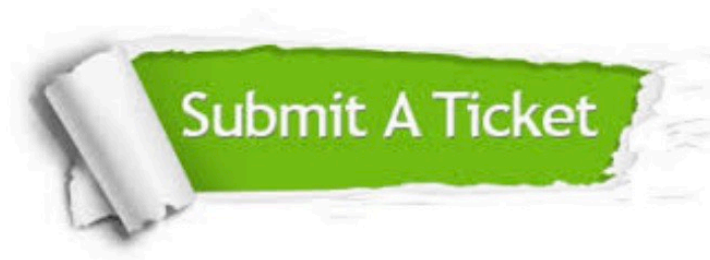
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