



100-105^{Q&As}

Interconnecting Cisco Networking Devices Part 1 (ICND1)

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QUESTION 1

What does administrative distance refer to?

- A. the cost of a link between two neighboring routers
- B. the advertised cost to reach a network
- C. the cost to reach a network that is administratively set
- D. a measure of the trustworthiness of a routing information source

Correct Answer: D

Administrative distance is the first criterion that a router uses to determine which routing protocol to use if two protocols provide route information for the same destination. Administrative distance is a measure of the trustworthiness of the source of the routing information. The smaller the administrative distance value, the more reliable the protocol.

QUESTION 2

Refer to the exhibit.



A network administrator is troubleshooting a connectivity problem on the serial interfaces. The output from the show interfaces command on both routers shows that the serial interface is up, line protocol is down. Given the partial output for the show running-config in the exhibit, what is the most likely cause of this problem?

- A. The serial cable is bad.
- B. The MTU is incorrectly configured.
- C. The Layer 2 framing is misconfigured.
- D. The IP addresses are not in the same subnet.

Correct Answer: C



QUESTION 3

Which MTU size can cause a baby giant error?

- A. 1500
- B. 9216
- C. 1600
- D. 1518

Correct Answer: C

Standard Ethernet frame MTU is 1500 bytes. This does not include the Ethernet header and Cyclic Redundancy Check (CRC) trailer, which is 18 bytes in length, to make the total Ethernet frame size of 1518. In this document, MTU size or packet size refers only to Ethernet payload. Ethernet frame size refers to the whole Ethernet frame, including the header and the trailer. Baby giant frames refer to Ethernet frame size up to 1600 bytes, and jumbo frame refers to Ethernet frame size up to 9216 bytes. Reference: <http://www.cisco.com/c/en/us/support/docs/switches/catalyst-4000-series-switches/29805-175.html>

QUESTION 4

Which three statements about DWDM are true? (Choose three)

- A. It allows a single strand of fiber to support bidirectional communications
- B. It is used for long-distance and submarine cable systems
- C. It can multiplex up to 256 channels on a single fiber
- D. It supports both the SDH and SONET standards
- E. Each channel can carry up to a 1-Gbps signal
- F. It supports simplex communications over multiple strands of fiber

Correct Answer: CDE

QUESTION 5

Drag and Drop Question

Drag and drop the MAC address types from the left onto the correct descriptions on the right?

Select and Place:



Answer Area

dynamic secure MAC address	cleared from the CAM table when the switch reboots
nonsecure MAC address	configured with the switchport port-secure mac-address command
static secure MAC address	dynamically learned addresses that can be retained permanently
sticky MAC address	requires access VLAN configuration only

Correct Answer:

Answer Area

	nonsecure MAC address
	sticky MAC address
	dynamic secure MAC address
	static secure MAC address



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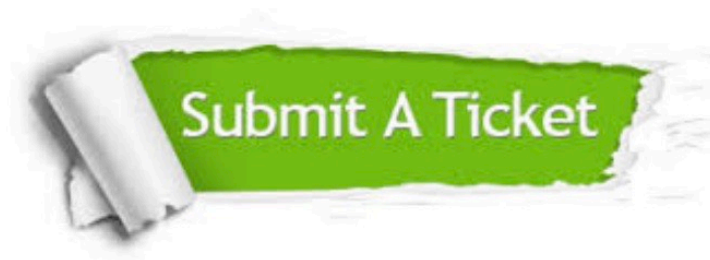
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