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Interconnecting Cisco Networking Devices Part 1 (ICND1)

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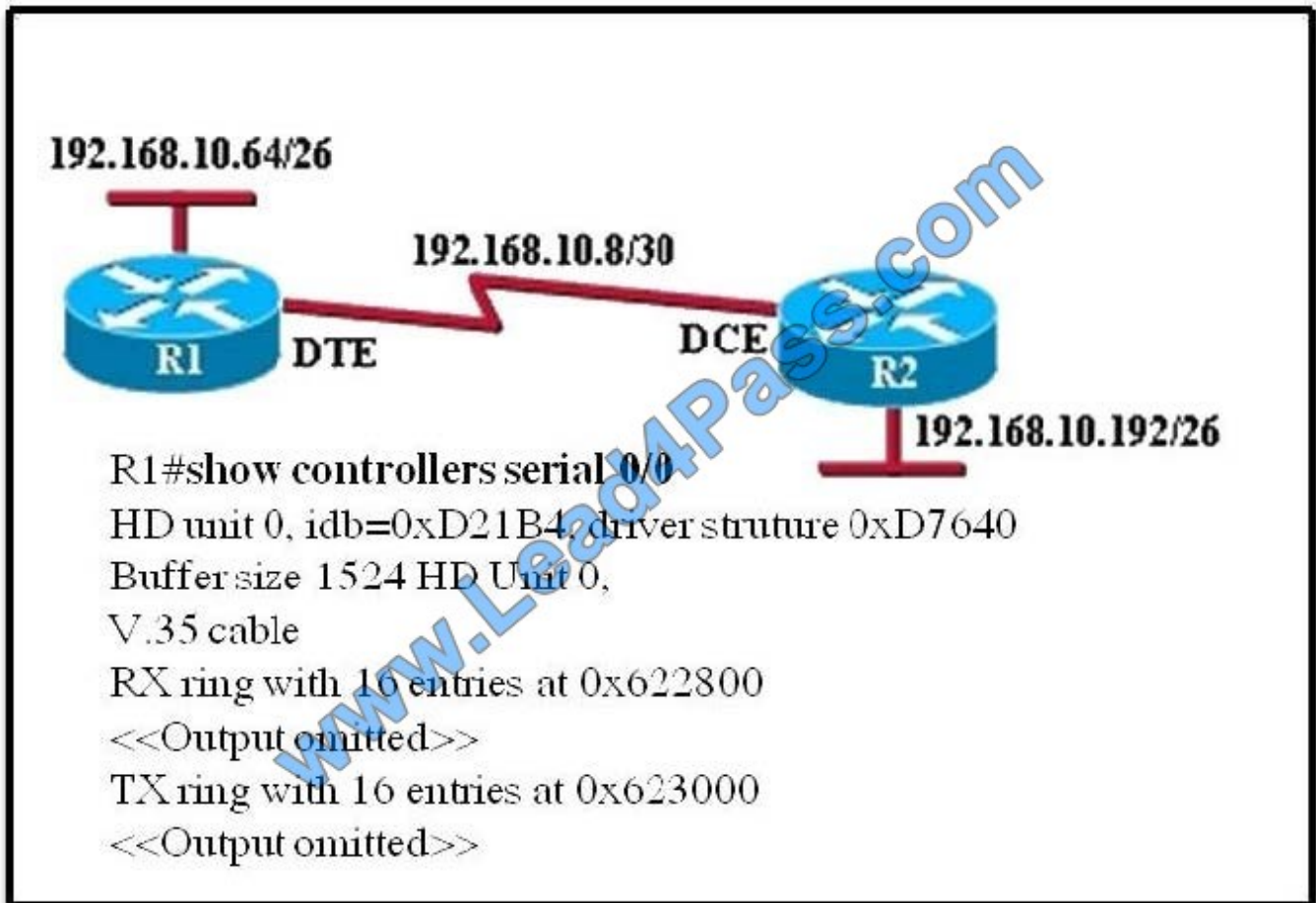⚙ **Instant Download** After Purchase

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QUESTION 1

Refer to the exhibit.


```
192.168.10.64/26

                    192.168.10.8/30

    R1  DTE                  DCE
                                  R2
                                    192.168.10.192/26

R1#show controllers serial 0/0
HD unit 0, idb=0xD21B4, driver struture 0xD7640
Buffer size 1524 HD Unit 0,
V.35 cable
RX ring with 16 entries at 0x622800
<<Output omitted>>
TX ring with 16 entries at 0x623000
<<Output omitted>>
```

An administrator cannot connect from R1 to R2. To troubleshoot this problem, the administrator has entered the command shown in the exhibit. Based on the output shown, what could be the problem?

A. The serial interface is configured for the wrong frame size.

B. The serial interface does not have a cable attached.

C. The serial interface has the wrong type of cable attached.

D. The serial interface has a full buffer.

E. The serial interface is configured for half duplex.

Correct Answer: C

Since the output is not forthcoming it shows that the type of cable attached is wrong, though the cable is connected since it shows the cable type. According to the figure DTE cable should connect to R1 on interface but while examining using show controllers serial 0/0 command it showing that a DCE is connected so the wrong type of cable is being used.

QUESTION 2

Which command can you enter to re enable cisco discovery protocol on a local router after it has been disabled?

A. Router (config)# cdp run

B. Router (config-if)# cdp run

C. Router (config)# cdp enable

D. Router (config-if)# cdp enable

Correct Answer: A

QUESTION 3

show ip route
192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks

Refer to the exhibit. Router R1 produced this partial output running on a current IOS. Which two statements about R1 and its network environment are true? (Choose two.)

A. R1 has a combination of local and connected routes totaling two subnets.

B. R1 has learned a maximum of four networks via routing protocols.

C. R1 has a maximum of two connected subnets including local route.

D. R1 has learned at least one network via routing protocols.

E. R1 has a network environment that supports a maximum of 16 hosts.

Correct Answer: CD

QUESTION 4

Drag and Drop Question On the left are various network protocols. On the right are the layers of the TCP/IP model. Assuming a reliable connection is required, move the protocols on the left to the TCP/IP layers on the right to show the proper encapsulation for an email message sent by a host on a LAN. (Not all options are used)

Select and Place:

On the left are various network protocols. On the right are the layers of the TCP/IP model. Assuming a reliable connection is required, move the protocols on the left to the TCP/IP layers on the right to show the proper encapsulation for an email message sent by a host on a LAN. (Not all options are used.)

UDP		application layer
SNMP		transport layer
IP		internet layer
ARP		network access layer
Ethernet		
TCP		
SMTP		

Correct Answer:

On the left are various network protocols. On the right are the layers of the TCP/IP model. Assuming a reliable connection is required, move the protocols on the left to the TCP/IP layers on the right to show the proper encapsulation for an email message sent by a host on a LAN. (Not all options are used.)

UDP		SMTP
SNMP		TCP
		IP
ARP		Ethernet

+ application layer: SMTP

+ transport layer: TCP

+ internet layer: IP

+ network access layer: Ethernet

QUESTION 5

Which two statements are true regarding ICMP packets? (Choose two.)

A. They are encapsulated within IP datagrams.

B. They guarantee datagram delivery.

C. TRACERT uses ICMP packets.

D. They acknowledge receipt of TCP segments.

E. They are encapsulated within UDP datagrams.

Correct Answer: AC

Ping may be used to find out whether the local machines are connected to the network or whether a remote site is reachable. This tool is a common network tool for determining the network connectivity which uses ICMP protocol instead of TCP/IP and UDP/IP. This protocol is usually associated with the network management tools which provide network information to network administrators, such as ping and traceroute (the later also uses the UDP/IP protocol). ICMP is quite different from the TCP/IP and UDP/IP protocols. No source and destination ports are included in its packets. Therefore, usual packet-filtering rules for TCP/IP and UDP/IP are not applicable. Fortunately, a special "signature" known as the packet\\'s Message type is included for denoting the purposes of the ICMP packet. Most commonly used message types are namely, 0, 3, 4, 5, 8, 11, and 12 which represent echo reply, destination unreachable, source quench, redirect, echo request, time exceeded, and parameter problem respectively. In the ping service, after receiving the ICMP "echo request" packet from the source location, the destination.

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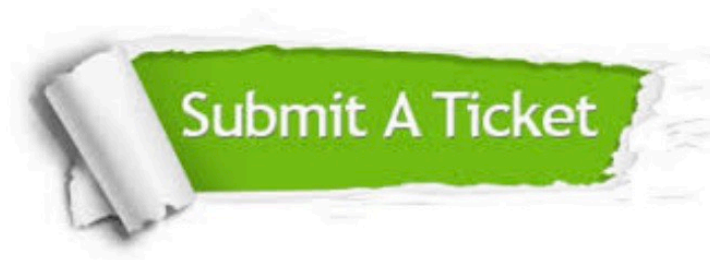
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