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Exam : Cisco 640-822

Title : Interconnecting Cisco Networking Devices Part 1

1. Refer to the exhibit. Pierre has just installed the mail server and Switch2. For security reasons UDP packets are not permitted outbound on the Fa0/1 router interface. Pierre is now at his workstation testing the new installation and is not able to establish SMTP communication to the mail server.

What is the most likely cause for lack of communication between Pierre's workstation and the mail server?

- A. The crossover cable should be a straight-through cable.
- B. UDP is blocked coming out of the Fa0/1 interface on the router.
- C. The server should be directly connected to the router.
- D. The IP addresses are all on the same network. No router is required.

Answer: A

2. Which line from the output of the show ip interface command indicates that there is a Layer 1 problem?

- A. Serial0/1 is up, line protocol is up
- B. Serial0/1 is up, line protocol is down
- C. Serial0/1 is down, line protocol is down
- D. Serial0/1 is administratively down, line protocol is down

Answer: C

3. Refer to the exhibit. Two buildings on the San Jose campus of a small company must be connected to use Ethernet with a bandwidth of at least 100 Mbps. The company is concerned about possible problems from voltage potential differences between the two buildings. Which media type should be used for the connection?

- A. UTP cable
- B. STP cable
- C. coaxial cable
- D. fiber optic cable

Answer: D

4. Refer to the exhibit. A network device needs to be installed in the place of the icon labeled Network Device to accommodate a leased line attachment to the Internet. Which network device and interface configuration meets the minimum requirements for this installation?

- A. a router with two Ethernet interfaces
- B. a switch with two Ethernet interfaces
- C. a router with one Ethernet and one serial interface
- D. a switch with one Ethernet and one serial interface
- E. a router with one Ethernet and one modem interface

Answer: C

5. Refer to the exhibit. A network technician has added host A to the network. Host A cannot communicate on the network. A ping that is issued on the host to address 127.0.0.1 fails. What is the problem?

- A. The router is not forwarding the ping packets to network 127.0.0.0.
- B. The remote host at 127.0.0.1 is unreachable.
- C. The default gateway is incorrect.
- D. The IP address of host A is incorrect.
- E. The TCP/IP protocols are not loaded.

Answer: E

6. Refer to the exhibit. A network administrator has configured a Catalyst 2950 switch for remote management by pasting into the console the configuration commands that are shown in the exhibit. However, a Telnet session cannot be successfully established from a remote host. What should be done to fix this problem?

- A. Change the first line to interface fastethernet 0/1.
- B. Change the first line to interface vlan 0/1.
- C. Change the fifth line to ip default-gateway 192.168.17.241.
- D. Change the fifth line to ip route 0.0.0.0 0.0.0.0 192.168.17.1.
- E. Change the sixth line to line con 0.

Answer: C

7. Refer to the exhibit. The wire scheme that is shown is terminated at each end with an RJ-45 connector. What cable type does the wire diagram represent?

- A. an Ethernet straight-through cable
- B. a serial crossover cable
- C. a serial straight-through cable
- D. an Ethernet crossover cable
- E. a rollover cable

Answer: D

8. Refer to the exhibit. A network has been planned as shown. Which three statements accurately describe the areas and devices in the network plan? (Choose three.)

- A. Network Device A is a switch.
- B. Network Device B is a switch.
- C. Network Device A is a hub.
- D. Network Device B is a hub.
- E. Area 1 contains a Layer 2 device.
- F. Area 2 contains a Layer 2 device.

Answer: ADE

9. Refer to the exhibits labeled A through E. All devices are to be connected over Ethernet. Which three device-to-device configurations are likely to require the use of a crossover connection? (Choose three.)

- A. exhibit A
- B. exhibit B
- C. exhibit C
- D. exhibit D
- E. exhibit E

Answer: ADE

10. An Ethernet cable is attached to a PC NIC and then attached to a switch port. The PC power is turned on and the switch port link LED turns green. The link light indicates what two conditions? (Choose two.)

- A. Layer 2 communication has been established between the PC and switch.
- B. The PC has received a DHCP address.
- C. Traffic is being sent from the switch to the PC.
- D. If flashing, the green LED indicates port speed of 100 Mb/s.
- E. The Layer 1 media is functioning between the PC and switch.
- F. The switch port is functioning as a half-duplex connection.

Answer: AE

11. Refer to the exhibit. What could be possible causes for the "Serial0/0 is down" interface status? (Choose two.)

- A. A Layer 1 problem exists.
- B. The bandwidth is set too low.

- C. A protocol mismatch exists.
- D. An incorrect cable is being used.
- E. There is an incorrect IP address on the Serial 0/0 interface.

Answer: AD

12. Refer to the exhibit. A network technician is attempting to use HyperTerminal to configure a new router using the settings shown. What is the reason the technician is unable to connect to the router?

- A. The bits per second should be set to 9600.
- B. The data bits should be set to 6.
- C. Parity should be set to mark.
- D. The stop bits should be set to 2.
- E. Flow control should be set to hardware.

Answer: A

13. What are two advantages of Layer 2 Ethernet switches over hubs? (Choose two.)

- A. decreasing the number of collision domains
- B. filtering frames based on MAC addresses
- C. allowing simultaneous frame transmissions
- D. increasing the size of broadcast domains
- E. increasing the maximum length of UTP cabling between devices

Answer: BC

14. Refer to the exhibit. Workstation A must be able to telnet to switch SW-A through router RTA for management purposes. What must be configured for this connection to be successful?

- A. VLAN 1 on RTA
- B. default gateway on SW-A
- C. IP routing on SW-A
- D. cross-over cable connecting SW-A and RTA

Answer: B

15. Refer to the exhibit. The ports that are shown are the only active ports on the switch. The MAC address table is shown in its entirety. The Ethernet frame that is shown arrives at the switch.

What two operations will the switch perform when it receives this frame? (Choose two.)

- A. The MAC address of 0000.00aa.aaaa will be added to the MAC address table.
- B. The MAC address of 0000.00dd.dddd will be added to the MAC address table.
- C. The frame will be forwarded out port fa0/3 only.
- D. The frame will be forwarded out fa0/1, fa0/2, and fa0/3.
- E. The frame will be forwarded out all the active ports.

Answer: AD

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