

N10-006 - Quiz F – Answers Provided

Periodically you will face a question where you do not agree with the answer. That purposely happens because the wrong answer has been purposely inserted. When you find that situation raise the issue in the course discussion board under the discussion area relating to this Quiz.

1. After connecting a workstation directly to a small business firewall, a network administrator is trying to manage it via HTTPS without losing its stored configuration. The only two pieces of information that the network administrator knows about the firewall are the management interface MAC address, which is 01:4a:d1:fa:b1:0e, and the administrator's password. Which of the following will allow the administrator to log onto the firewall via HTTPS if the management's IP address is unknown and the administrator's workstation IP address is 192.168.0.10/23?

A. Use the reset button on the back of the firewall to restore it to its factory default, and then log onto

*B. Run the following command on the administrator's workstation: `arp -s 192.168.1.200 01:4a:d1:fa:b1:0e`

C. Use an SNMP tool to query the firewall properties and determine the management IP address

D. Use a crossover cable to connect to the console port and reconfigure the firewall management IP to 192.168.0.1

2. A network technician has detected a personal computer that has been physically connected to the corporate network. Which of the following commands would the network technician use to locate this unauthorized computer and determine the interface it is connected to?

A. `nbtstat a`

*B. `show mac address-table`

C. `show interface status`

D. `show ip access-list`

E. `nslookup hostname`

3. A technician has verified that a recent loss of network connectivity to multiple workstations is due to a bad CAT5 cable in the server room wall. Which of the following tools can be used to locate its physical location within the wall?

A. Cable certifier

B. Multimeter

C. Cable tester

*D. Toner probe

4. A user connects to a wireless network at the office and is able to access unfamiliar SMB shares and printers. Which of the following has happened to the user?

- A. The user is connected using the wrong channel.
- *B. The user is connected to the wrong SSID.
- C. The user is experiencing an EMI issue.
- D. The user is connected to the wrong RADIUS server.

5. A network technician is performing a wireless survey in the office and discovers a device that was not installed by the networking team. This is an example of which of following threats?

- A. Bluesnarfing
- B. DDoS
- C. Brute force
- *D. Rogue AP

6. Ann, a user, is experiencing an issue with her wireless device. While in the conference area, the wireless signal is steady and strong. However, at her desk the signal is consistently dropping, yet the device indicates a strong signal. Which of the following is the MOST likely cause of the issue?

- A. Signal-to-noise ratio
- B. AP configuration
- C. InSSID
- *D. Bounce

7. A network technician has received a help desk ticket indicating that after the new wireless access point was installed, all of the media department's devices are experiencing sporadic wireless connectivity. All other departments are connecting just fine and the settings on the new access point were copied from the baseline. Which of the following is a reason why the media department is not connecting?

- A. Wrong SSID
- B. Rogue access point
- *C. Placement
- D. Channel mismatch

8. A technician recently ran a 20-meter section of CAT6 to relocate a control station to a more central area on the production floor. Since the relocation, the helpdesk has received complaints about intermittent operation. During the troubleshooting process, the technician noticed that collisions are only observed on the switch port during production. Given this information, which of the following is the cause of the problem?

- A. Distance limitation
- *B. Electromagnetic interference
- C. Cross talk
- D. Speed and duplex mismatch

9. A technician is troubleshooting a wired device on the network. The technician notices that the link light on the NIC does not illuminate. After testing the device on a different RJ-45 port, the device connects successfully. Which of the following is causing this issue?

- A. EMI
- B. RFI
- C. Cross-talk
- *D. Bad wiring

10. A technician is tasked with connecting a router to a DWDM. The technician connects the router to the multiplexer and confirms that there is a good signal level. However, the interface on the router will not come up. Which of the following is the MOST likely cause?

- *A. The wrong wavelength was demuxed from the multiplexer.
- B. The SFP in the multiplexer is malfunctioning.
- C. There is a dirty connector on the fiber optic cable.
- D. The fiber optic cable is bent in the management tray.

11. While troubleshooting a network outage, a technician finds a 100-meter fiber cable with a small service loop and suspects it might be the cause of the outage. Which of the following is MOST likely the issue?

- A. Maximum cable length exceeded
- B. Dirty connectors

C. RF interference caused by impedance mismatch

*D. Bend radius exceeded

12. A network technician has been assigned to install an additional router on a wireless network. The router has a different SSID and frequency. All users on the new access point and the main network can ping each other and utilize the network printer, but all users on the new router cannot get to the Internet. Which of the following is the MOST likely cause of this issue?

*A. The gateway is misconfigured on the new router.

B. The subnet mask is inon the new router.

C. The gateway is misconfigured on the edge router.

D. The SSID is inon the new router.

13. While troubleshooting a connectivity issue, a network technician determines the IP address of a number of workstations is 169.254.0.0/16 and the workstations cannot access the Internet. Which of the following should the technician check to resolve the problem?

A. Default gateway address

B. Misconfigured DNS

*C. DHCP server

D. NIC failure

14. A network engineer is troubleshooting an issue with a computer that is unable to connect to the Internet. The network engineer analyzes the following output from a command line utility:

Network Destination - Netmask Gateway - Interface

- 192.168.1.0-255.255.255.0-192.168.1.254-eth0

- 192.168.1.10-255.255.255.255-192.168.1.10-eth0

- 127.0.0.1-255.0.0.0 On-Linklo

- 127.0.0.0-255.0.0.0 On-Linklo

- 255.255.255.255-255.255.255.255-102.168.1.10eth0

Which of the following is the reason for the computer issue, given the above output?

A. Wrong default gateway netmask

- B. In default gateway address
- C. Default gateway on the wrong interface
- *D. Missing default gateway

15. A company has changed ISPs for their office and ordered a new 250 Mbps symmetrical Internet connection. As a result, they have been given a new IP range. The ISP has assigned the company 10.10.150.16 /28. The company gateway router has the following interface configuration facing the ISP:

Interface A:

IP address: 10.10.150.16

Subnet mask: 255.255.255.240

Default gateway: 10.10.150.32

Speed: 1000 Mbps

Duplex: Auto

State: No Shutdown

None of the workstations at the company are able to access the Internet. Which of the following are the reasons? (Select TWO).

- A. There is a duplex mismatch between the router and ISP.
- B. The router interface is turned off.
- C. The interface is set to the incorrect speed.
- D. The router is configured with the incorrect subnet mask.
- *E. The router interface is configured with the incorrect IP address.
- *F. The default gateway is configured incorrectly.

16. A PC technician has installed a new network printer that was preconfigured with the static IP address, subnet mask, and default gateway. The printer was installed with a new cable and appears to have link activity, but the printer will not respond to any network communication attempts. Which of the following is MOST likely the cause of the problem?

- A. Damaged cable
- B. Duplex mismatch

*C. InVLAN assignment

D. Speed mismatch

17. A network administrator recently installed a web proxy server at a customer's site. The following week, a system administrator replaced the DNS server overnight. The next day, customers began having issues accessing public websites. Which of the following will resolve the issue?

*A. Update the DNS server with the proxy server information.

B. Implement a split horizon DNS server.

C. Reboot the web proxy and then reboot the DNS server.

D. Put the proxy server on the other side of the demarc.

18. Two weeks after installation, a network technician is now unable to log onto any of the newly installed company switches. The technician suspects that a malicious user may have changed the switches' settings before they were installed in secure areas. Which of the following is the MOST likely way in which the malicious user gained access to the switches?

A. Via SSH using the RADIUS shared secret

*B. Via HTTP using the default username and password

C. Via console using the administrator's password

D. Via SNMP using the default RO community

19. A network technician is troubleshooting a problem at a remote site. It has been determined that the connection from router A to router B is down. The technician at the remote site re-terminates the CAT5 cable that connects the two routers as a straight through cable. The cable is then tested and is plugged into the interface. Which of the following would be the result of this action?

A. The normal amount of errors and the connection problem has been resolved.

B. The interface status will indicate that the port is administratively down.

C. The traffic will flow, but with excessive errors.

*D. The interface status will show line protocol down.

20. Which of the following helps prevent routing loops?

A. Routing table

B. Default gateway

C. Route summarization

*D. Split horizon