QUESTION 1136
Users are reporting that the company website is responding. A technician performs the following steps:
```
1. Pings th loopback address
2. Pings the default gateway
3. Pings the DNS server
4. Pings the IP address of the web server
```
All tests are successful, but users still report the server is unreachable. The technician next performs an nslockup and receives the proper server IP address.
Which of the following would cause the website to be unreachable?

A. Unresponsive service
B. Incorrect gateway
C. Name not resolving
D. Rogue DHCP server
E. DNS forward lookup error

Answer: A

QUESTION 1137
A network technician is reviewing the network configuration of a large company. All of the branch routers are connected to each other to allow for redundancy. Which of the following BEST describes this network topology?

A. Mesh
B. Ring
C. Bus
D. Star

Answer: A

QUESTION 1138
A network engineer is deploying a new PBX for a customer Although all new phones will be IP- based, the office will still use a few POTS-based phones and a fax line. Which of the following will be needed to connect the fax line?

A. RJ11
B. RJ45
C. DB-9
D. F-type

Answer: D

QUESTION 1139
A company recently upgraded a legacy firewall to an NGFW.
Which of the following can be deployed without extra hardware to restrict access to offending websites?

A. A UTM appliance
B. Content filtering
C. An IPS
D. A proxy server

Answer: B

QUESTION 1140
A consultant is designing a new network for a company that will be hosting its own email and web servers. The company wants to ensure there are separate devices to protect the internal network from the DMZ and the DMZ from the Internet.
Which of the following would provide this protection?

A. The installation of a firewall with multiple interfaces for the Internet to the DMZ and the LAN
B. The in-line installation of two firewalls to divide the Internet to the DMZ and the DMZ to the LAN
C. The installation of two switches to divide the Internet from the LAN and the LAN to the DMZ
D. The installation of a switch from the Internet to the DMZ and a firewall between the DMZ and the LAN

Answer: C

QUESTION 1141
A network technician is upgrading the software on a switch, but the switch will no longer boot after the upgrade.
Which of the following should the network technician have verified before the upgrade?

A. Unnecessary services disabled
B. Secure protocols in use .
C. Firmware file hash
D. Network ports disabled

Answer: C

QUESTION 1142
A network administrator is creating a new WLAN that should only be used by legacy devices that do not support a secure method following should be configured to provide connectivity and minimal security to the new network? (Selec TWO).

A. Pre-shared key
B. Open authentication
C. PEAP
D. MAC filtering
E. EAP-FAST
F. EAP-TLS

Answer: AE

QUESTION 1143
Which of the following BEST describes a VLAN hopping attack?

A. An attacker gains unauthorized access to a network by overflowing the CAM table.

B. An attacker gains unauthorized access to a network by placing a rogue AP on the network.
C. An attacker gains unauthorized access to a network by using double-tagged packets.
D. An attacker gains unauthorized access to a network by scanning and mapping it.

Answer: C

QUESTION 1144
A network technician is working to bring a new workstation onto the network. No lights come on when the technician plugs the Ethernet cable into the workstation. The technician checks the connection in the IDF and discovers the data jack is not labeled.
Which of the following tools should the technician use to trace the network connection back to the IDF?

A. A port scanner
B. A loopback adapter
C. An OTDR
D. A tone generator

Answer: B

QUESTION 1145
A wireless administrator has configured a secure wireless network that can only be associated to specific domain accounts. This was done to help mitigate any risks associated with the wireless signal propagating outside of the facility.
Which of the following has the administrator implemented?

A. NAC
B. Implicit deny
C. WPA2
D. Geofencing

Answer: C
Explanation:
WPA2 is a type of encryption used to secure the vast majority of Wi-Fi networks. A WPA2 network provides unique encryption keys for each wireless client that connects to it.

QUESTION 1146
A company needs to create a new website for the delivery of secure content to and from specific customers. The Chief Information Officer (CIO) states as a requirement the creation of a secure connection between the client's machine and the website every time the content is accessed. This should be accomplished without requiring the installation of any client software. Which of the following should be used in this scenario?

A. Site-to-site VPN
B. GRE
C. MPLS
D. SSL

Answer: A

QUESTION 1147
A network engineer needs to connect two network switches with a gigabit link. The proposed route to run the 164ft (50m) cable is directly underneath a large electrical generator.
Which of the following cable types would BEST fit the needs of the network engineer?

A. UTP
B. Cat 5 plenum
C. Coaxial

D. STP

Answer: D

QUESTION 1148
A company recently implemented a new VoIP solution to replace copper lines that cost too much to maintain. Users have been complaining of the voice quality when they are on phone calls, and management wants the network team to address the concerns.
Which of the following should the network team do to improve the performance and security of the VoIP phones?

A. Set up an in-house server to process the voice traffic and install repeaters to boost the voice signals at regular intervals.
B. Install the VoIP phones in line with the users workstations so the operating system relieves some of the processing load.
C. Set up a VLAN for the phones and QoS throughout the network to prioritize the traffic.
D. Open more ports on the router o the phone traffic does not have to wait for a used port to be released, cutting down on user delay.

Answer: C