Exam Questions N10-007

CompTIA Network+ N10-007

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NEW QUESTION 1
- (Exam Topic 1)
A device operating at Layer 3 of the OSI model uses which of the following protocols to determine the path to a different network?

A. STP
B. RTP
C. RIP
D. NTP
E. SIP

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
Which of the following is a vulnerable system designed to detect and log unauthorized access?

A. SIEM
B. Honeypot
C. DMZ
D. Proxy server

Answer: B

NEW QUESTION 3
- (Exam Topic 1)
A UTM is deployed on the external edge of the main corporate office. The office connects to the WAN port of the edge router. The edge router at the main office connects to the remote offices using GRE IPSec tunnels. A network administrator notices that a worm that was not detected by the UTM has spread from the remote sites into the corporate network. The UTM currently has traffic rules applied that should block the port used by the worm. Which of the following steps would MOST likely correct this issue?

A. Move the UTM onto the LAN side of the network
B. Enable TLS inspection on the UTM
C. Enable stateful inspection on the UTM
D. Configure the UTM to deny encrypted files from being transferred

Answer: C

NEW QUESTION 4
- (Exam Topic 1)
A network technician installs a web server on the firewall. Which of the following methods should the technician implement to allow access to outside users without giving access to the inside network?

A. VLAN
B. DMZ
C. SNMP
D. NTP

Answer: B

NEW QUESTION 5
- (Exam Topic 1)
A technician needs to set up a workstation with a private static address. Which of the following IP address would meet this requirement? (Select TWO).

A. 65.78.90.102
B. 127.0.0.1
C. 169.254.90.19
D. 172.16..1.103
E. 172.33.47.100
F. 192.168.1.55

Answer: DE

NEW QUESTION 6
- (Exam Topic 1)
A home user has purchased a new smart TV to stream online video services. The smart TV is unable to connect to the wireless network after several attempts. After from vacation, the home user tries again and can connect the TV to wireless network. However, the user notice a laptop is no longer able to connect to the network. Which of the following is the MOST likely cause?

A. The DHCP scope has been exhausted.
B. The security passcode has been changed
C. The SSID is hidden.
D. The AP configuration was reset.

Answer: A

NEW QUESTION 7
- (Exam Topic 1)
A administrator is troubleshooting a user's intermitted wireless connectivity issue. Other users across the hallway can connect use the wireless network properly. Upon inspection of the connection details, the administrator finds the following:

SSID	Company-WiFi
Signal	5%
SNR	2

Which of the following is MOST likely the cause of the poor wireless connection?

A. Channel overlap
B. Overcapacity
C. Incorrect antenna type
D. Latency

Answer: C

NEW QUESTION 8
- (Exam Topic 1)
Employees want the ability to use personal devices on the guest network while working out at the company gym. In order to meet the request, which of the following policies requires employee adherence?

A. AUP
B. SLA
C. NDA
D. MOU

Answer: A

NEW QUESTION 9
- (Exam Topic 1)
A penetration tester has been tasked with reconnaissance to determine which ports are open on the network. Which of the following tasks should be done FIRST? (Choose two.)

A. Network scan
B. Banner grab
C. Tracert
D. DHCP server check
E. Brute-force attack

Answer: AC

NEW QUESTION 10
- (Exam Topic 1)
A network technician is troubleshooting an issue and has established a theory of probable cause. Which of the following steps should the network technician take NEXT?

A. Test the possible solution
B. Question the users
C. Determine what has changed
D. Document the theory

Answer: A

NEW QUESTION 10
- (Exam Topic 1)
A company has contracted with an outside vendor to perform a service that will provide hardware, software, and procedures in case of a catastrophic failure of the primary datacenter. The Chief Information Officer (CIO) is concerned because this contract does not include a long-term strategy for extended outages. Which of the following should the CIO complete?

A. Disaster recovery plan
B. Business continuity plan
C. Service level agreement
D. First responder training

Answer: B

NEW QUESTION 13
- (Exam Topic 1)
An entire enterprise cannot access a specific website. The network technician knows the website was accessible last week. The technician can also ping the website. Which of the following is the technician MOST likely to find upon investigation?

A. The firewall is misconfigured.
B. The network is being hit by a zero-day attack.

C. The SSL certificate is untrusted.
D. The SSL certificate has expired.

Answer: D

NEW QUESTION 18
- (Exam Topic 1)
A critical vulnerable is discovered on a network device. The vendor state it has already patched this vulnerable in its current release. Which of the following actions should an administrator take?

A. Change the default password.
B. Use a firewall in front of the device.
C. Update the firmware.
D. Upgrade the configuration.

Answer: B

NEW QUESTION 23
- (Exam Topic 1)
A network technician recently installed a new server on a network. The technician must ensure the server does not have any unnecessary services running. The IP address of the server is 204.211.38.50
Which of the following commands would allow the technician to make this determination?

A. nmap
B. pathping
C. route
D. nslookup

Answer: A

NEW QUESTION 25
- (Exam Topic 1)
Which of the following communication media can carry many voice, data, and video channels simultaneously over multiple frequencies?

A. Broadband
B. Baseband
C. Analog modem
D. CSMA

Answer: A

NEW QUESTION 27
- (Exam Topic 1)
A technician is setting up a public guest network for visitors to access the Internet that must be separate from the corporate network. Which of the following are the BEST steps for the technician to take with minimum overhead configuration? (Choose two.)

A. Enable SSID broadcasting to identify the guest network
B. Configure visitor devices to use static IP addresses
C. Enable two-factor authentication on visitor devices
D. Configure the access point to use WPA2-AES encryption
E. Ensure the access point is not running in mixed mode

Answer: AB

NEW QUESTION 29
- (Exam Topic 1)
A network technician is setting up a new router. Since it is exposed to the public, which of the following are the BEST steps the technician should take when setting up this device? (Choose two.)

A. Disable unnecessary services.
B. Use private IP addresses.
C. Allow remote management access.
D. Disable the console port.
E. Enable encryption.
F. Upgrade to the latest firmware.

Answer: AF

NEW QUESTION 32
- (Exam Topic 1)
A technician is assigned to secure a basic wireless network. Which of the following authentication protocol should the technician use to performed this task (select TWO).

A. RDP
B. SNMP
C. WPA2
D. EAP SSL

Answer: CD

NEW QUESTION 33
- (Exam Topic 1)
A user checks an IP address using an external website. The address is different than the one the user sees when opening a command prompt and typing in ipconfig/all. The user does not understand why the two tools show different IP addresses. This is BEST explained by the interworking of:

A. network devices
B. packet flow
C. public/private networks
D. traffic-routing protocols

Answer: C

NEW QUESTION 36
- (Exam Topic 1)
A technician is troubleshooting a point-to-point fiber-optic connection. The technician is at a remote site and has no connectivity to the main site. The technician confirms the switch and the send-and-receive light levels are within acceptable range. Both fiber SFPs are confirmed as working. Which of the following should the technician use to reveal the location of the fault?

A. OTDR
B. Light meter
C. Tone generator
D. CSU/DSU

Answer: A

NEW QUESTION 38
- (Exam Topic 1)
A technician is troubleshooting network connectivity issue with a remote host. Which of the following tools would BEST between the client and the remote host?

A. tracert
B. ping
C. tcpdump
D. pathping
E. netstate
F. nslookup
G. route

Answer: EF

NEW QUESTION 43
- (Exam Topic 1)
A router is set up to utilize RIPv2 to route traffic throughout the network. Which of the following routing metrics is used to determine the path?

A. Distance
B. bandwidth
C. Speed
D. hop count

Answer: D

NEW QUESTION 48
- (Exam Topic 1)
802.11 n clients currently have no way to connect to the network. Which of the following devices should be implemented to let the clients connect?

A. Router
B. Range extender
C. VoIP endpoint
D. Access point

Answer: D

NEW QUESTION 49
- (Exam Topic 1)
A network technician downloaded new firmware for the company firewall. Which of the following should the network technician verify to ensure the downloaded file is correct and complete?

A. File hash
B. File date
C. File type
D. File size

Answer: A

NEW QUESTION 50

- (Exam Topic 1)
Management has requested that services be available within 72 hours of disaster, Budget is a major concern. A contract is signed with a company that has plenty space, and the technician will have the option of putting infrastructure equipment in place. Which of the following BEST describes this business continuity strategy?

A. Cold site
B. Differentiate backup
C. Hot site
D. Incremental backup
E. Warm site
F. Full backup

Answer: A

NEW QUESTION 53
- (Exam Topic 1)
Which of the following is the correct port number for NTP?

A. 25
B. 69
C. 123
D. 161

Answer: C

NEW QUESTION 55
- (Exam Topic 1)
A network administrator wishes to ensure there are no unnecessary open communication paths into a server. Using a port scanner, the administrator finds that ports are reported as closed. Which of the following BEST explains this response?

A. The ports belong to an active system and are denying requests
B. The ports are associated with deprecated services
C. The ports do not belong to a live system
D. The ports replied with a SYN/ACK response

Answer: B

NEW QUESTION 57
- (Exam Topic 1)
A network technician is installing a new wireless network in a small office. Due to environment concerns, The customer wants the network to run exclusively on the %GHz frequency. Which of the following wireless technologies should the technician install meet this requirement? (Select TWO).

A. 802.11ac
B. 802 11b
C. 802 11g
D. 802.11n
E. Bluetooth
F. z-Ware

Answer: AD

NEW QUESTION 60
- (Exam Topic 1)
A forensic first responder arrives at the scene where an employee is suspected to have committed a computer-based crime. Which of the following should the first responder do FIRST?

A. Document the scene
B. Take pictures upon arrival
C. Secure the area
D. Implement chain of custody

Answer: C

NEW QUESTION 64
- (Exam Topic 1)
Which of the following storage network technologies inherently leverages block-level storage?

A. NAS
B. SAN
C. FCoE
D. iSCSI
E. FTP

Answer: A

NEW QUESTION 66
- (Exam Topic 1)
A disgruntled employee decides to leak critical information about a company's new product. The employee places keyloggers on the department's computers,

allowing the information to be sent out to the Internet. Which of the following attacks is occurring?

A. Man-in-the-middle
B. Logic bomb
C. Insider threat
D. Social engineering

Answer: C

NEW QUESTION 68
- (Exam Topic 1)
A network administrator frequency needs to assist users with troubleshooting network hardware remotely, but the users are non-technical and unfamiliar with network devices. Which of the following would BEST help the administrator and users during hands-on troubleshooting?

A. Logical diagrams
B. MDF documentation
C. Equipment labeling
D. Standard operating procedures

Answer: D

NEW QUESTION 70
- (Exam Topic 1)
Which of the following would allow a device to maintain the same IP address lease based on the physical address of the network card?

A. MAC address reservation
B. Static IP address
C. IP address exclusion
D. Custom DNS server entry

Answer: A

NEW QUESTION 74
- (Exam Topic 1)
A technician is observing brownout issue at a smaller office. At least once a week, the edge switch power cycles. Which of thy following should the technician do to resolve the issue?

A. Install a new switch.
B. Install a UPS.
C. Replace the switch uplink cable.
D. Install a new electrical circuit.

Answer: B

NEW QUESTION 75
- (Exam Topic 1)
A company has completed construction of a new datacenter, and the IT staff is now planning to relocate all server and network equipment from the old site to the new site. Which of the following should the IT staff reference to determine the location of the equipment being moved?

A. Rack diagrams
B. Network topology
C. Standard operating procedures
D. Wiring documentation

Answer: A

NEW QUESTION 78
- (Exam Topic 1)
A network technician has discovered a rogue access point under an empty cubicle desk. Which of the following should the technician perform to ensure another cannot be placed on the network?

A. Disable unused ports on switches
B. Enable DHCP guard to detect rogue servers
C. Configure WPA2 on all access points
D. Use TACACS+ authentication

Answer: B

NEW QUESTION 80
- (Exam Topic 1)
AContent filter is set to analyze XML and JSON that users access from the internet. At which of the following layer's is this analysis taking place?

A. 1
B. 3
C. 5
D. 7
E. 6

Answer: E

NEW QUESTION 82
- (Exam Topic 1)
An ISP technician gets a call from a business that just changed equipment but can no longer connect to the Internet. The technician checks the ARP table on the ISP switch, and there is no corresponding MAC address present. Instead, the entry is "Incomplete". Which of the following could cause this condition?

A. VLAN mismatch
B. Duplex/Speed mismatch
C. Duplicate IP address
D. TX/RX reverse

Answer: B

NEW QUESTION 83
- (Exam Topic 1)
A network technician has salvaged several Ethernet cables from a datacenter. The technician attempts to use the cables to connect desktops to the network without success. Which of the following is MOST likely the issue?

A. The cables have an incorrect pin-out.
B. The cables are UTP instead of STP.
C. The cables are Cat 6 instead of Cat 5.
D. The cables are not plenum rated.

Answer: A

NEW QUESTION 85
- (Exam Topic 1)
A system administrator receives report from users of odd behavior in regard to recently installed server. While reviewing the server network configuration, the systems administrator does both a forward and a reverse DNS lookup on the host, along with the network adapter configuration.

```
$ host server.company.com
server.company.com has address 129.168.0.100
server.company.com is handled by 100 mail.company.com
$ host 192.168.0.100
100.0.168.192.in-addr.arpa domain name pointr web.company.com
$ host web.company.com
server.company.com has address 129.168.0.50
server.company.com is handled by 100 mail.company.com
$ ifconfig -a
eth0Link encap:Ethernet HWaddr 00:30:48:9D:06:73
Inet addr:192.168.0.100 Bcast:192.168.0.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
lo0Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:16436 Metric:1
```

Which of the following is the problem identified in the output above?

A. There is no reverse DNS entry for this host.
B. The server IP address is incorrectly configured.
C. The DNS lookup entry is incorrectly configured.
D. The reverse DNS entry is pointing to a different host.

Answer: C

NEW QUESTION 90
- (Exam Topic 1)
A network technician wants to remotely and securely access the desktop of a Linux workstation. The desktop is running remote control software without encryption. Which of the following should the technician use to secure the connection?

A. SSH in tunnel mode
B. RDP set to console connection
C. EAP-PEAP
D. SFTP

Answer: A

NEW QUESTION 91
- (Exam Topic 1)
A firewall log reports unencrypted console commands coming in on the WAN interface on the router. Inspection, port 23 is found to be ….router. Which of the following should be done to the router?

A. Block all traffic coming in on that interface.
B. Use Base64 to obfuscate the console traffic.
C. Implement a pki to authenticate clients.
D. Disable the Telnet service on the device.

Answer: A

NEW QUESTION 93
- (Exam Topic 1)
A network technician is deploying mobile phones for a company's sales staff. Salespeople frequently travel nationally and internationally to meet with clients, and often have to roam or switch cellular providers. Which of the following standards is the BEST option to fit the requirements?

A. GSM
B. TDM
C. CDMA
D. PSTN
E. MIMO

Answer: A

NEW QUESTION 97
- (Exam Topic 1)
Which of the following BEST describes the BGP routing protocol?

A. distance vector
B. hybrid
C. static
D. link state

Answer: B

NEW QUESTION 100
- (Exam Topic 1)
A technician is utilizing SNMPv3 to monitor network statistics. Which of the following actions would occur immediately of a server's utilization spikes above the prescribed value?

A. A trap message is sent via UDP to the monitoring workstation.
B. The SET function pushes an alert to the MIB database.
C. The object identifier is modified and reported during the next monitoring cycle.
D. A response message is sent from the agent to the manager.

Answer: A

NEW QUESTION 103
- (Exam Topic 1)
A technician is setting up a direct connection between two older PCs so they can communicate but not be on the corporate network. The technician does not have access to a spare switch but does have spare Cat 6 cables, RJ-45 plugs, and a crimping tool. The technician cuts off one end of the cable. Which of the following should the technician do to make a crossover cable before crimping the new plug?

A. Reverse the wires leading to pins 1 and 2
B. Reverse the wires leading to pins 1 and 3
C. Reverse the wires leading to pins 2 and 3
D. Reverse the wires leading to pins 2 and 4

Answer: D

NEW QUESTION 104
- (Exam Topic 1)
Which of the following are characteristic of jumbo frames? (Select TWO).

A. Commonly used on SAN
B. MTU size greater than 1500
C. MTU size greater than 10000
D. Commonly used on IaaS
E. MTU size greater that 12000

Answer: BD

NEW QUESTION 107
- (Exam Topic 1)
A network technician is attempting to troubleshoot a connectivity issue. The issue is only reported during the evening hours, and only a single workstation loses connectivity. Which of the following is the MOST likely cause of the issue?

A. The router has time-based ACL applied for the network segment.
B. A light source is creating EMI interface, affecting the UTP.
C. Nightly backups are consuming excessive bandwidth.
D. The user has violated the AUP, and Internet access has been restricted

Answer: D

NEW QUESTION 112

- (Exam Topic 1)
A technician needs to order cable that meets 10GBaseT and safety requirements for an installation between a drop ceiling and a standard ceiling. Which of the following should the technician order to ensure compliance with the requirements?

A. PVC Cat 5
B. Plenum Cat 5e
C. Plenum Cat 6a
D. PVC Cat 7

Answer: C

Explanation:
10GBaseT A 10 GbE standard designed to run on Cat 6a UTP cabling. Maximum cable length of 100 m.

NEW QUESTION 115
- (Exam Topic 1)
The server team has just installed an application across three different servers. They are asking that all requests to the application are spread evenly across the three servers. Which of the following should the network team implement to fulfil the request?

A. Proxy server
B. UTM appliance
C. Content filter
D. Load balancer

Answer: D

NEW QUESTION 120
- (Exam Topic 1)
A network administrator wants to ensure sensitive data is not exfiltrated from the system electronically. Which of the following should be implemented?

A. DLP
B. AUP
C. NDA
D. SLA

Answer: A

NEW QUESTION 125
- (Exam Topic 1)
In which of the following scenarios should a technician use a cross-over cable to provide connectivity?

A. PC to switch
B. Switch to AP
C. Router to switch
D. Router to modem
E. PC to PC

Answer: E

NEW QUESTION 127
- (Exam Topic 1)
A technician is setting up a wireless access point in a coffee shop. The shop is not concerned with security but only wants to allow customers to have access. Which of the following configurations should the technician deploy?

A. Use a pre-shared key.
B. Set up EAP.
C. Configure RADIUS.
D. Configure MAC filtering.

Answer: A

NEW QUESTION 129
- (Exam Topic 1)
Which of the following protocols authenticates a PC to the server using a ticket issued to it by the authentication service?

A. Kerberos
B. RADIUS
C. TACACS+
D. LDAP

Answer: A

NEW QUESTION 130
- (Exam Topic 1)
A technician is responsible for configuring a new firewall. The hardware team has already installed, powered, and connected the system. Which of the following types of documentation should the technician utilize to complete the task?

A. Rack diagram
B. IDF/MDF documentation
C. Network performance baseline
D. Logical and physical diagrams

Answer: D

NEW QUESTION 131
- (Exam Topic 1)
A company finds that many desktops are being reported as missing or lost. Which of the following would BEST assist in recovering these devices?

A. Asset tracking tags
B. Motion detectors
C. Security guards
D. Computer locks

Answer: D

NEW QUESTION 132
- (Exam Topic 1)
Which of the following is the number of broadcast domain that are created when using an unmanaged 12-port switch?

A. 1
B. 2
C. 6
D. 12

Answer: B

NEW QUESTION 137
- (Exam Topic 1)
The security manager reports that individual systems involved in policy or security violations or incidents cannot be located quickly. The security manager notices the hostnames all appear to be randomly generated characters. Which of the following would BEST assist the security manager identifying systems involved in security incidents?

A. Enforce port security to require system authentication
B. Implement a standardized UNC
C. Label existing systems with current hostnames
D. Forward the DHCP logs to the security manager every day

Answer: B

NEW QUESTION 140
- (Exam Topic 1)
Which of the following should be performed to verify that unnecessary services are disabled on all switches in an environment?

A. packet capturing
B. port scanning
C. Log scanning
D. Baseline review

Answer: B

NEW QUESTION 145
- (Exam Topic 1)
A network administrator is setting up a web-based application that needs to be continually accessible to the end users. Which of the following concepts would BEST ensure this requirement?

A. High availability
B. Snapshots
C. NIC teaming
D. Cold site

Answer: A

NEW QUESTION 150
- (Exam Topic 1)
An office network consists of one two-port router connected to a 12-port switch. A four-port hub is also connected to the switch. On this particular network, which of the following is the number of collision domain that exist?

A. 3
B. 12
C. 13
D. 14
E. 15

Answer: D

NEW QUESTION 154
- (Exam Topic 1)
A network engineer arrives at work and discovers that many users are having problems when attempting to connect to the company network shared drives. The network operations center (NOC) technician just completed server upgrades the night before. To which of the following documents should the NOC technician refer to determine what potentially caused the connectivity problem?

A. Network maps
B. Cable management
C. Release notes
D. Change management

Answer: D

NEW QUESTION 158
- (Exam Topic 1)
A network administrator configures a router with the following IP address information: Gigabit Ethernet 1 Interface: 10.10.0.1/24
Serial 0 Interface: 10.10.0.253/30
Clients are connected to a switch on the gigabit Ethernet interface; the ISP is connected to the Serial 0 interface. When the router configuration is complete and client devices are reconfigured, all clients report that they are unable to connect to the Internet. Which of the following is the MOST likely reason?

A. The router was configured with an incorrect IP address
B. The router was configured with an incorrect default gateway
C. The router was configured with an incorrect subnet mask
D. The router was configured with an incorrect loopback address

Answer: C

NEW QUESTION 162
- (Exam Topic 1)
A firewall administrator is implementing a rule that directs HTTP traffic to an internal server listening on a non-standard socket. Which of the following types of rules is the administrator implementing?

A. NAT
B. PAT
C. STP
D. SNAT
E. ARP

Answer: B

NEW QUESTION 165
- (Exam Topic 1)
A junior network technician is working in the field and needs to connect to the company/s remote server, however, doing so will require the junior technician to use the public Internet. Because security is a concern which of the following is the BEST method to use?

A. Telnet
B. SSH
C. SFTP
D. VNC

Answer: B

NEW QUESTION 168
- (Exam Topic 1)
Which of the following should a technician investigate when using a network baseline to troubleshoot?

A. Tracing a network wire connectivity issue from the datacenter to a host.
B. Determining if the server performance is degraded.
C. Changes that have been made to the network configuration.
D. Location of networking equipment in a rack.

Answer: B

NEW QUESTION 172
- (Exam Topic 1)
The IT manager at a small firm is in the process of renegotiating an SLA with the organization's ISP. As part of the agreement, the organization will agree to a dynamic bandwidth plan to provide 150Mbps of bandwidth.
However, if the ISP determines that a host on the organization's internal network produces malicious traffic, the ISP reserves the right to reduce available bandwidth to 1.5 Mbps. Which of the following policies is being agreed to in the SLA?

A. Session hijacking
B. Blocking
C. Throttling
D. Data usage limits
E. Bandwidth quotasf

Answer: C

NEW QUESTION 173
- (Exam Topic 1)
An employee wishes to use a personal cell phone for work-related purposes, including storage of sensitive company data, during long business trips. Which of the following is needed to protect BOTH the employee and the company?

A. An NDA ensuring work data stored on the personal phone remains confidential
B. An AUP covering how a personal phone may be used for work matters
C. A consent to monitoring policy covering company audits of the personal phone
D. Real-time remote monitoring of the phone's activity and usage

Answer: D

NEW QUESTION 174
- (Exam Topic 1)
Which of the following provides two factor authentication?

A. Username+ password
B. Smartcard +PIN
C. Fingerprint +retina scan
D. Key fob +ID card

Answer: B

NEW QUESTION 179
- (Exam Topic 1)
After a server outage, a technician discovers that a physically damaged fiber cable appears to be the problem. After replacing the cable, the server will still not connect to the network. Upon inspecting the cable at the server end, the technician discovers light can be seen through one of the two fiber strands. Which of the following should the technician do FIRST to reconnect the server to the network?

A. Reverse the fiber strands of the cable and reconnect them to the server
B. Use a TDR to test both strands of a new replacement cable prior to connecting it to the server
C. Replace the server's single-mode fiber cable with multimode fiber
D. Move the fiber cable to different port on the switch where both strands function

Answer: A

NEW QUESTION 183
- (Exam Topic 1)
Ann, a network technician, has just installed a fiber switch in a datacenter. To run the fiber cabling, Ann plans the cable route over the top of the rack using the cable trays, down to the switch, coiling up any excess cable. As Ann configures the switch, she notices several messages in the logging buffer stating the receive signal of the SFP is too weak. Which of the following is MOST likely the cause of the errors in the logging buffer?

A. Bend radius exceeded
B. Fiber cable mismatch
C. Fiber type mismatch
D. Bad fiber switch

Answer: A

NEW QUESTION 186
- (Exam Topic 1)
Based on networks 10.8.16.0/22 and 10.8.31.0/21, which of the following is the BEST summarized CIDR notation?

A. 10.8.0.0/16
B. 10.8.0.0/19
C. 10.8.0.0/20
D. 10.0.0.0/24

Answer: A

NEW QUESTION 189
- (Exam Topic 1)
A recently constructed building makes use of glass and natural light. Users in the building are reporting poor cellular connectivity and speeds. Which of the following is MOST likely the cause?

A. Absorption
B. Channel overlap
C. Reflection
D. Frequency mismatch

Answer: C

NEW QUESTION 191
- (Exam Topic 1)
Which of the following BEST describes the differences between VLAN hopping and session hijacking?

A. VLAN hopping involves the unauthorized transition from one VLAN to another to gain additional acces
B. Session hijacking involves overriding a user's web connection to execute commands
C. VLAN hopping is a brute force attack executed to gain additional acces
D. Session hijacking involves physically disrupting a network connection
E. VLAN hopping involves overriding a user network connection to execute malicious command
F. Session hijacking involves compromising a host to elevate privileges
G. VLAN hopping is the act of exploiting poor VLAN taggin
H. Session hijacking is a web-based attack aimed at privilege escalation

Answer: A

NEW QUESTION 196
- (Exam Topic 1)
A small business developed an in-house application that is very sensitive to network latency when a communicating between servers. Due to a lack of funds, the business had to build its own network for workstations and servers. Now a network administrator must redesign the network due to performance issues with the application. Which of the following would be the MOST cost effective for the administrator to recommend?

A. Create Ethernet VLANs
B. Disable autonegotiation on the servers
C. Install 10Gb Ethernet NICs in the servers
D. Install Fibre Channel for the server network

Answer: C

NEW QUESTION 198
- (Exam Topic 1)
A network technician notices the site-to site VPN and internet connection have back up at a branch office' after a recent power outage. Which of the following is an out-of-band method the technician the would MOST likely utilize to check the branch office's router status?

A. Use a modern to console into router.
B. Walk to the branch troubleshooting the connection.
C. Travel to the branch office.
D. Hire a contractor to go on-site.

Answer: B

NEW QUESTION 202
- (Exam Topic 1)
A technician wants to prevent an unauthorized host from connecting to the network via Ethernet. Which of the following is a Layer 2 access control the technician should implement?

A. Access control lists
B. Captive portal
C. WPA2
D. Port security

Answer: D

NEW QUESTION 204
- (Exam Topic 1)
A network technician needs to install a new access switch. After installing the new switch, the technician beings to move connections from the old switch to the new switch. The old switch used a GBIC connectors, and the new switch uses an SEF LC with LC connectors. After connecting the SC connector to the SC-to-LC adapter abd plugging it to the switch, the link does not come up as expected. Which of the following should a network technician perform NEXT?

A. Replace SEP with a new one.
B. Fall back to the switch.
C. Transpose the fiber pairs.
D. Replace multimode with single-mode cable

Answer: C

NEW QUESTION 205
- (Exam Topic 1)
A network engineer is designing a new IDF in an old building. The engineer determines the equipment will fit in a two-post rack, and there is power available for this equipment. Which of the following would be the FIRST issue to remediate?

A. Air flow and cooling
B. UPS capability
C. Circuit labeling
D. Power redundancy

Answer: A

NEW QUESTION 208
- (Exam Topic 1)
While working on a Linux-based OS, a technician experiences an issue accessing servers and some sites by name. Which of the following command-line tools should the technician use to assist in troubleshooting?

A. dig
B. iptables
C. ifconfig
D. traceroute

Answer: A

NEW QUESTION 209
- (Exam Topic 1)
A network administrator is assigned to run and connect a Cat 6e Ethernet cable between two nodes in a datacenter. Which of the following connector types should the network administrator use to terminate this cable?

A. DB-9
B. RS-232
C. DB-25
D. RJ-45

Answer: D

NEW QUESTION 214
- (Exam Topic 1)
A telecommunications provider has just deployed a new OC-12 circuit at a customer site. While the circuit showed no errors from the provider end to the customer's demarcation point, a network administrator is trying to determine the cause of dropped packets and errors on the circuit. Which of the following should the network administrator do to rule out any problems at Layer 1? (Choose two.)

A. Use a loopback at the demark and router, and check for a link light
B. Use an OTDR to validate the cable integrity
C. Use a pinout tester to validate the cable integrity
D. Use a multimeter to validate the cable integrity
E. Check for any devices that may be causing EMI on the cable
F. Clean the cables to be sure they are free of dust and debris

Answer: AB

NEW QUESTION 215
- (Exam Topic 1)
A network technician is installing a new SOHO branch office that requires the use of a DOCSIS-compatible. The modern needs to be connected to the ISP's network at the demark. Which of the following cable type should be used?

A. UTP
B. Multimode
C. Coaxial
D. Serial

Answer: C

NEW QUESTION 219
- (Exam Topic 1)
Which of the following policies would Joe, a user, have to agree to when he brings in his personal tablet to connect to the company's guest wireless Internet?

A. NDA
B. IRP
C. BYOD
D. SLA

Answer: C

NEW QUESTION 220
- (Exam Topic 1)
A building is equipped with light sensors that turn off the fluorescent lights when natural light is above a certain brightness. Users report experiencing network connection issues only during certain hours. The west side of the building experiences connectivity issues in the morning hours and the east side near the end of the day. At night the connectivity issues affect the entire building. Which of the following could be the cause of the connectivity issues?

A. Light sensors are interfering with the network
B. EMI from the lights is interfering with the network cables
C. Network wiring is run perpendicular to electrical conduit
D. Temperature changes are causing attenuation in copper cabling

Answer: C

NEW QUESTION 222
- (Exam Topic 1)
A network administrator needs to transmit traffic to geographically diverse sites to improve performance. Which of the following devices would BEST direct traffic to the remote sites?

A. Hub
B. Bridge

C. Switch
D. Router

Answer: D

NEW QUESTION 225
- (Exam Topic 1)
Which of the following DNS record types allows IPv6 records to be resolved to DNS names?

A. PTR
B. A
C. AAAA
D. SRV

Answer: C

NEW QUESTION 226
- (Exam Topic 1)
A technician is connecting a PC to a switchport. At the wiring closet, the technician is identify which cable goes from patch panel a connected to the switch to patch panel B connected to the PC. Which of the following tools should the technician use to resolve the issue?

A. Cable tester
B. Multimeter
C. Tone generator
D. OTDR

Answer: C

NEW QUESTION 231
- (Exam Topic 1)
Which of the following protocols can be both connection-oriented and connectionless?

A. 20 FTP
B. 53 DNS
C. 67 DHCP
D. 80 HTTP

Answer: B

NEW QUESTION 236
- (Exam Topic 1)
A technician is trying to configure a previously owned WAP. The technician successfully logs into the administrative console and attempts to input the IP address on the WAP. However, the WAP is not accepting the command. Which of the following is causing the problem?

A. The WAP antenna is damaged
B. The WAP transmitter light is dim
C. The terminal emulation software is misconfigured
D. The LWAPP image is installed on the WAP

Answer: C

NEW QUESTION 240
- (Exam Topic 1)
A network technician is assisting the security team with some traffic captures. The security team wants to capture all traffic on a single subnet between the router and the core switch. To do so, the team must ensure there is only a single collision and broadcast domain between the router and the switch from which they will collect traffic. Which of the following should the technician install to BEST meet the goal?

A. Bridge
B. Crossover cable
C. Hub
D. Media converter

Answer: C

NEW QUESTION 242
- (Exam Topic 1)
Joe, an employee at a large regional bank, wants to receive company email on his personal smartphone and table: To authenticate on the mail server, he must first a custom security application on those mobile services. Which of the following policies would BEST enforce this requirement?

A. Incident response policy
B. BYOD policy
C. DLP policy
D. Remote access policy

Answer: B

NEW QUESTION 243
- (Exam Topic 1)
A technician has been alerted of incoming HTTP traffic on the LAN segment that should not contain any web server's The technician has the IP address of the destination host and wants to determine if the socket for HTTP is open. Which of the following should the technician perform?

A. Baseline assessment
B. packet analysis
C. portscan
D. Patch-level assessment.

Answer: C

NEW QUESTION 246
- (Exam Topic 1)
An engineer is reviewing the implementation requirements for an upcoming project. The basic requirements identified by the customer include the following:
- WLAN architecture supporting speeds in excess of 150 Mbps
- Clientless remote network access
- Port-based network access control
Which of the following solution sets properly addresses all of the identified requirements?

A. 802.11a, IPSec VPN, 802.1x
B. 802.11ac, MPLS, 802.3
C. 802.11b, PPTP, 802.1x
D. 802.11g, MS-CHAP, 802.16
E. 802.11n, SSL-VPN, 802.1x

Answer: E

NEW QUESTION 247
- (Exam Topic 1)
A technician is diagnosing an issue with a new T1 connection. The router is configured, the cable is connected, but the T1 is down. To verify the configuration of the router, which of the following tools should the technician use?

A. Loopback adapter
B. Cable tester
C. Tone generator
D. Multimeter

Answer: A

NEW QUESTION 248
- (Exam Topic 1)
A technician is connecting a router directly to a PC using the G1/0/1 interface. Without the use of auto-sensing ports, which of the following cables should be used?

A. Straight-through
B. Console
C. Rollover
D. Crossover

Answer: D

NEW QUESTION 251
- (Exam Topic 1)
Users have been experiencing slow network response times, and management has asked the network technician to provide evidence of network improvement. After optimizing the network, which of the following would be required?

A. IDF/MDF documentation
B. Change management
C. Performance baseline
D. Physical diagram

Answer: C

NEW QUESTION 256
- (Exam Topic 1)
A network technician needs to connect to a remote router to modify the configuration, Which of the following method should the technician use to connected to the device security? (Select TWO)

A. Telnet
B. VNC
C. SSH
D. RDP
E. HTTPS
F. TFTP

Answer: BC

NEW QUESTION 257
- (Exam Topic 1)
A network technician needs to separate a web server listening on port 80 from the internal LAN and secure the server from the public Internet. The web server should be accessible to the public Internet over port 80 but not the private LAN. Currently, the network is segmented with a network-based firewall using the following IP addressing scheme on each interface:

Zone	Interface	IP Address
Public	eth0	10.0.0.1/24
DMZ	eth1	10.0.1.1/24
Private	eth2	10.0.2.1/24

Which of the following ones should the technician use to place the web server and which of the following firewall rules should the technician configure?

A. Place the web server in the public zone with an inbound rule from eth0 interface to accept traffic over port 80 designated to the web server
B. Place the web server in the DMZ with an inbound rule from eth0 interface to eth1 to accept traffic over port 80 designated to the web server
C. Place the web server in the private zone with an inbound rule from eth2 interface to eth1 to accept traffic over port 80 designated to the web server
D. Place the web server in the DMZ with an inbound rule from eth1 interface to eth0 to accept traffic over port 80 designated to the web server

Answer: B

NEW QUESTION 258
- (Exam Topic 1)
A computer lab on a campus network was recently reconfigured using recycled network cables. One of the 24 computers in the lab is unable to connect to the network after the upgrade. A network technician successfully uses the cable in question to connect directly to another computer. Which of the following is MOST likely issue with the cable?

A. The cable is a crossover cable
B. The cable is rollover cable
C. The cable has bent pins
D. The cable is a Cat 5 cable

Answer: A

NEW QUESTION 262
- (Exam Topic 1)
A technician is setting up VoIP phones on a wireless network. Users report that calls are choppy and sometimes dropped. The technician has measured two characteristics using simple command-line tools that verify the problem. Which of the following characteristics did the technician measure? (Choose two.)

A. Reflection
B. Latency
C. Interference
D. Packet loss
E. Signal-to-noise ratio
F. Attenuation

Answer: BD

NEW QUESTION 264
- (Exam Topic 1)
A technician has racked a new access switch and has run multimode fiber to a new location. After installing an extended-range 10Gb SFP in the core switch, the technician installed a 10Gb SFP in the access switch and connected the port to the new extension with a fiber jumper. However, the link does not display, and the technician cannot see light emitting from the core switch. Which of the following solutions is MOST likely to resolve the problem?

A. Swap the fiber pairs in one of the SFPs
B. Replace the jumpers with single-mode fiber
C. Set the correct MTU on the new interface
D. Install an optic that matches the fiber type

Answer: B

NEW QUESTION 266
- (Exam Topic 1)
Which of the following would allow a network technician to access files on a remote system? (Select TWO).

A. FTP
B. TFTP
C. VLSM
D. SIP
E. SMTP
F. IMAP

Answer: AB

NEW QUESTION 267
- (Exam Topic 1)

A technician notices clients are receiving a 169.254.x.x IP address following the upgrade of a server. Which of the following ports should the technician check on the local server firewall?

A. ports 20 and 21
B. ports 67 and 68
C. ports 80 and 443
D. port 123 and 8080

Answer: B

NEW QUESTION 268
- (Exam Topic 1)
A network technician has recently installed new VoiP phones at all employees' desks to support a new SIP cloud solution. However, the technician is unable to make a call from the device after testing. Which of the following should the technician verify?

A. TCP 433 is allowed.
B. UDP 1720 is allowed.
C. UDP 50860 is allowed.
D. UDP 5061 is allowed.
E. TCP 8080 is allowed.
F. TCP 8181 is allowed.

Answer: CD
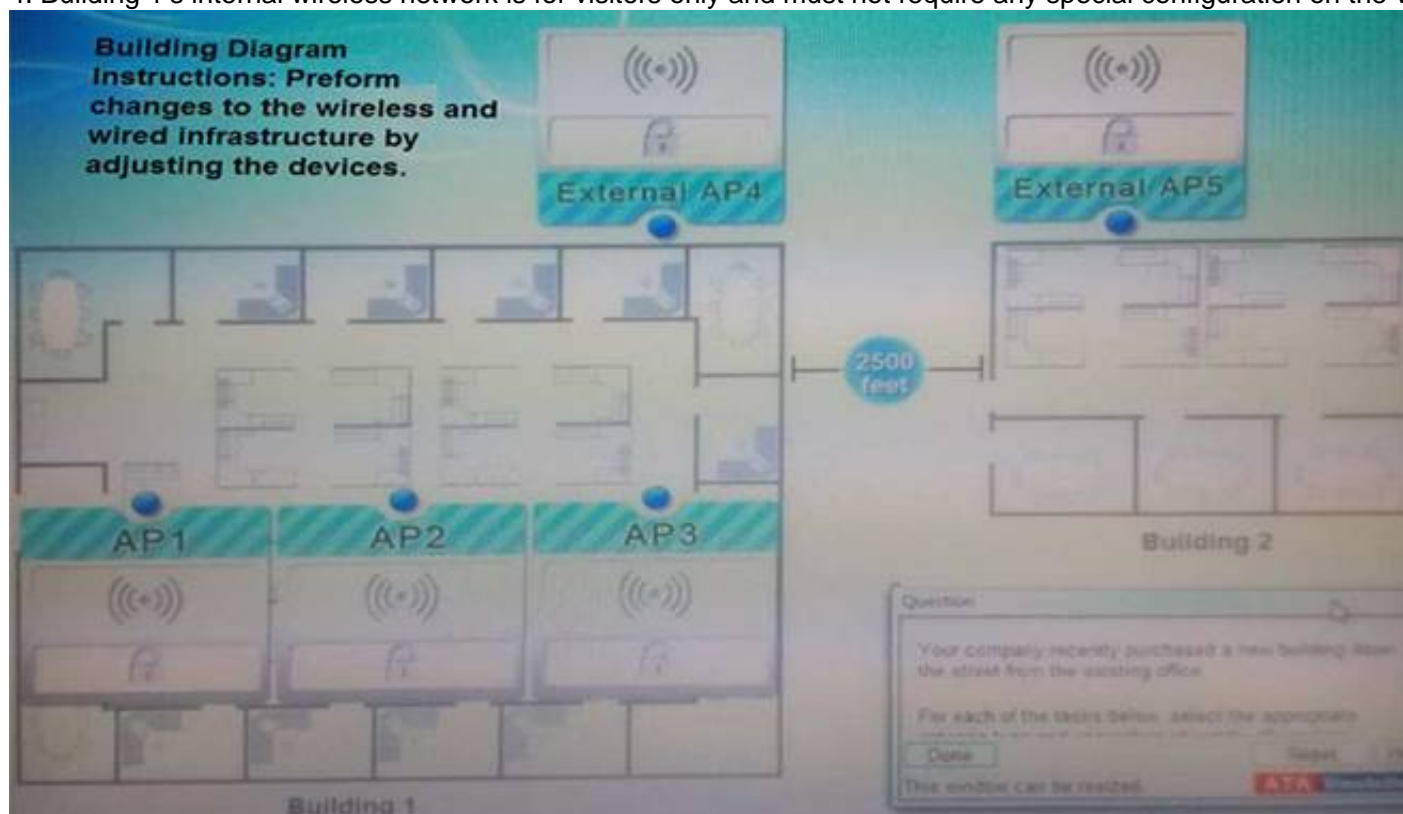
NEW QUESTION 269
- (Exam Topic 1)
Your company recently purchased a new building down the street from the existing office. For each of the tasks below, select the appropriate antenna type and encryption object for all wireless access point (AP).
1. Create an encrypted wireless connection between the two buildings that BEST controls signal propagation, while maximizing security.
2. Restrict the wireless signal generated by the access points (APs) inside Building 1, so that it minimizes broadcast beyond the building.
3. Maximize wireless coverage inside Building 1.
4. Building 1's internal wireless network is for visitors only and must not require any special configuration on the visitor's device to connect.
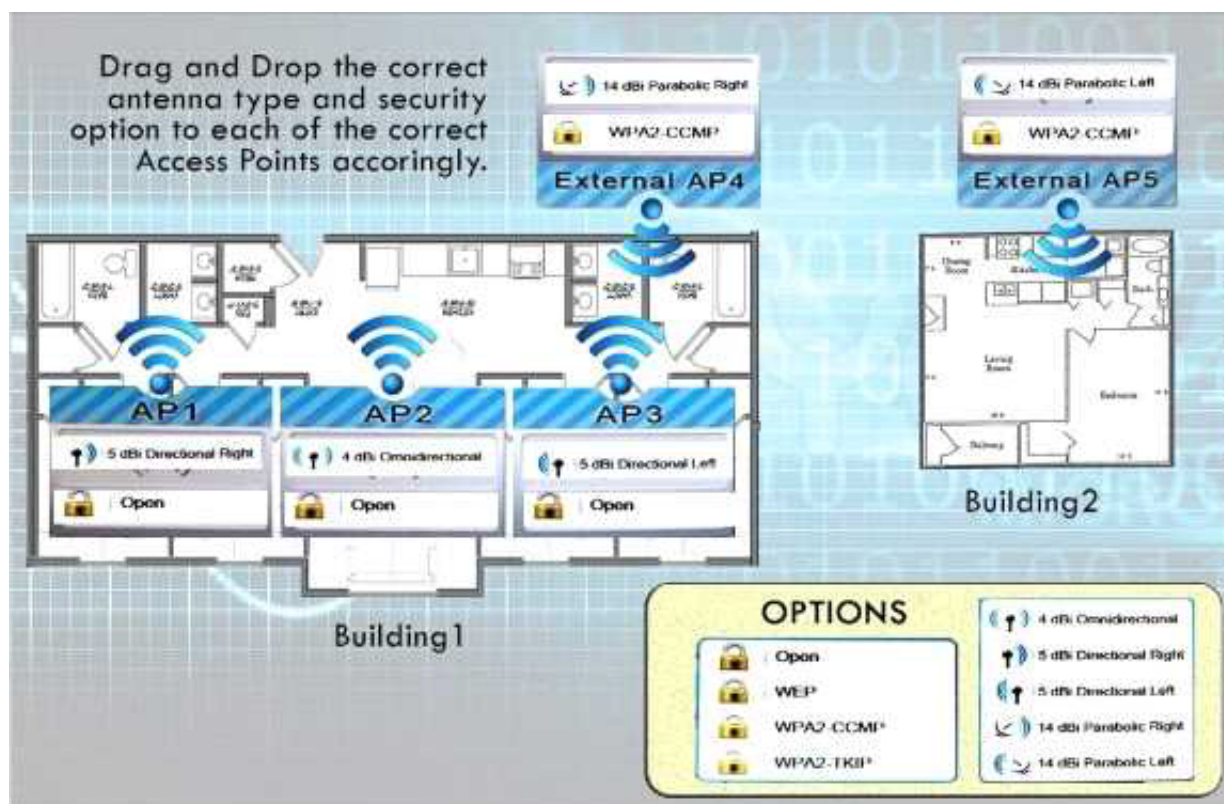

Instructions: When you have completed the simulation, select the Done button to submit.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer is as below in image.

NEW QUESTION 271

- (Exam Topic 1)

A second router was installed on a network to be used as a backup for the primary router that works as a gateway. The infrastructure team does not want to change the IP address of the gateway on the devices. Which of the following network components should be used in this scenario?

A. Loopback IP
B. Virtual IP
C. Reserved IP
D. Public

Answer: B

NEW QUESTION 272

- (Exam Topic 1)

Which of the following will listen on the line to ensure there is no traffic transmitting and implement a back-off timer if a collision occurs?

A. CSMA/CD
B. CSMA/CA
C. MPLS
D. OSPF

Answer: A

NEW QUESTION 273

- (Exam Topic 1)

A single PRI can deliver multiple voice calls simultaneously using which of the following Layer 1 technologies?

A. Time division multiplexing
B. Analog circuit switching
C. CSMA/CD
D. Time division spread spectrum

Answer: A

NEW QUESTION 276

- (Exam Topic 2)

Which of the following default ports would need to be disabled to block TFTP traffic?

A. 20
B. 21
C. 69
D. 123

Answer: C

NEW QUESTION 281

- (Exam Topic 2)

Zach, a technician, is installing an 802.11n network. Which of the following should he disable to stop broadcasting the network name?

A. Channel
B. WEP
C. SSID
D. WPA

Answer: C

NEW QUESTION 286
- (Exam Topic 2)
Which of the following uses port 53 by default?

A. RDP
B. QoS
C. DHCP
D. DNS

Answer: D

NEW QUESTION 289
- (Exam Topic 2)
Lisa, a technician, is asked to not allow FTP traffic on a network. Which of the following ports should be blocked on the firewall to achieve this?

A. 21
B. 22
C. 23
D. 25

Answer: A

NEW QUESTION 294
- (Exam Topic 2)
Which of the following uses types and codes rather than ports?

A. EIGRP
B. ICMP
C. UDP
D. IPv6

Answer: B

NEW QUESTION 296
- (Exam Topic 2)
Which of the following is an IPv6 address?

A. 00:14:38:05:7B:E5
B. 10.10.1.1
C. 192.168.1.1
D. 2001:cdba::3257:9652

Answer: D

NEW QUESTION 300
- (Exam Topic 2)
A network technician is configuring a wireless network. To avoid interference from other wireless networks in the area, the technician should change which setting?

A. Channel
B. SSID
C. Firewall rule
D. Encryption

Answer: A

NEW QUESTION 304
- (Exam Topic 2)
A company has installed an access point and configured it to broadcast at 802.11n only. Some users are stating that they cannot connect to this access point.
Which of the following is the MOST likely reason some users cannot connect?

A. Incorrect channel
B. Weak encryption
C. Incompatible NICs
D. Incorrect SSID

Answer: C

NEW QUESTION 307
- (Exam Topic 2)
A company wants to only allow incoming HTTP and HTTPS traffic on their public wireless network. Which of the following port numbers should be the only allowed open ports on the firewall to accomplish this? (Select TWO).

A. 20

B. 80
C. 143
D. 443
E. 8080

Answer: BD

NEW QUESTION 311
- (Exam Topic 2)
Which of the following are network topologies? (Select TWO).

A. Ethernet
B. Duplex
C. Star
D. Circular
E. Bus

Answer: CE

NEW QUESTION 314
- (Exam Topic 2)
Which of the following ports would have to be allowed through a firewall to allow SNMP traffic to pass on its default port? (Select TWO).

A. 22
B. 23
C. 143
D. 161
E. 162
F. 8080

Answer: DE

NEW QUESTION 317
- (Exam Topic 2)
In order to reduce spam email, Kim, a network administrator, changes the standard SMTP port from which of the following port numbers to port number 587?

A. 20
B. 21
C. 23
D. 25

Answer: D

NEW QUESTION 318
- (Exam Topic 2)
Lisa, a network administrator, needs to allow all websites to be accessible by the sales team for business purposes. Which of the following ports need to be enabled on the firewall? (Select TWO).

A. 23
B. 25
C. 53
D. 80
E. 443

Answer: DE

NEW QUESTION 322
- (Exam Topic 2)
Which of the following uses certificates as a form of security?

A. Kerberos
B. LDAP
C. PKI
D. CHAP

Answer: C

NEW QUESTION 327
- (Exam Topic 2)
Which of the following uses eight groups of characters for addressing?

A. MAC
B. IPv4
C. IPv6
D. DHCP

Answer: C

NEW QUESTION 330
- (Exam Topic 2)
Which of the following defines an IP address that is NOT routed on the Internet?

A. Multicast
B. Public
C. Private
D. Classful

Answer: C

NEW QUESTION 333
- (Exam Topic 2)
A technician is troubleshooting a problem with a network printer. The technician thinks the network printer is out of paper and ink. Which of the following should the technician do NEXT?

A. Implement the solution
B. Question users
C. Test the theory
D. Escalate the problem

Answer: C

NEW QUESTION 335
- (Exam Topic 2)
Which of the following is characterized by an attacker attempting to map out an organization's staff hierarchy in order to send targeted emails?

A. Whaling
B. Impersonation
C. Privilege escalation
D. Spear phishing

Answer: A

NEW QUESTION 337
- (Exam Topic 2)
Which of the following defines when Pete, an attacker, attempts to monitor wireless traffic in order to perform malicious activities?

A. XSS
B. SQL injection
C. Directory traversal
D. Packet sniffing

Answer: D

NEW QUESTION 339
- (Exam Topic 2)
Jeff, a technician, has been asked to add a subnet to the company's LAN. Which of the following interfaces on the router will be modified?

A. FastEthernet 0/0
B. AUX 0
C. Console 0
D. Serial 0/0/0

Answer: A

NEW QUESTION 340
- (Exam Topic 2)
Which of the following is the network topology in which computers connect in a closed circle?

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

Answer: C

NEW QUESTION 345
- (Exam Topic 2)
After plugging a cable into a computer, a user reports there is no network access. Which of the following tools would the technician MOST likely check to verify that the cable was crimped correctly?

A. Punch down tool
B. Cable certifier
C. Loopback plug
D. Toner probe

Answer: B

NEW QUESTION 347
- (Exam Topic 2)
Which of the following is indicative of an FTP bounce?

A. Arbitrary IP address
B. Reverse DNS lookups
C. Same Port Number
D. File Transfer Success

Answer: A

NEW QUESTION 349
- (Exam Topic 2)
Which of the following functions would be used to securely monitor and actively manage external connections?

A. VPN concentrator
B. HIDS
C. Load balancer
D. Packet shaper

Answer: A

NEW QUESTION 354
- (Exam Topic 2)
A technician discovers that a malware infection has damaged part of the Windows TCP/IP stack. Which of the following commands can help repair the damage?

A. netsh lan
B. netsh interface
C. netsh wlan
D. netsh winsock

Answer: D

NEW QUESTION 357
- (Exam Topic 2)
A pest control contractor attempts to gain access to the datacenter; however, the manager on duty notes that a pest control inspection was not on the schedule. Which of the following attacks is in progress?

A. Phishing
B. Social engineering
C. Man-in-the-middle
D. Smurfing

Answer: B

NEW QUESTION 362
- (Exam Topic 2)
Which of the following subnet masks would allow for 192.168.0.3 and 192.168.0.240 to be in the same subnet?

A. 255.255.255.0
B. 255 255.255.128
C. 255.255.255.192
D. 255.255.255.248

Answer: A

NEW QUESTION 366
- (Exam Topic 2)
Which of the following allows a central point to simultaneously address other points without addressing all of them?

A. Multicast
B. Subnetting
C. Unicast
D. Broadcast

Answer: A

NEW QUESTION 367
- (Exam Topic 2)
A user is unable to print to a network printer. Which of following is the FIRST step that a technician should take to troubleshoot the issue?

A. Identify the problem.
B. Establish a plan of action to resolve the problem.

C. Establish a theory of probable cause.
D. Implement preventative measures.

Answer: A

NEW QUESTION 369
- (Exam Topic 2)
Which of the following protocols would be used to send email to an email server?

A. NTP
B. FTP
C. SNMP
D. SMTP

Answer: D

NEW QUESTION 370
- (Exam Topic 2)
A VoIP line will MOST likely have which of the following connectors?

A. RJ-11
B. DB-25
C. BNC
D. RJ-45

Answer: D

NEW QUESTION 375
- (Exam Topic 2)
Which of the following is a routed protocol that functions at layer 3 of the OSI model?

A. IP
B. Frame relay
C. PPP
D. ADSL

Answer: A

NEW QUESTION 376
- (Exam Topic 2)
Which of the following is based ENTIRELY on using ICMP packets?

A. Social engineering
B. NMAP
C. Buffer overflow attack
D. Smurf attack

Answer: D

NEW QUESTION 380
- (Exam Topic 2)
Which of the following network topologies allows only communication to take place from one node at a time by passing a token around the network?

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

Answer: D

NEW QUESTION 382
- (Exam Topic 2)
A username provides which of the following?

A. Biometrics
B. Identification
C. Authorization
D. Authentication

Answer: B

NEW QUESTION 384
- (Exam Topic 2)
A small office home office (SOHO) customer is going to be replacing their switch. The customer also wants to add a WAP in a dropped ceiling; however, there are no power outlets above the drop ceiling, but there is a CAT5e network jack. Which of the following technologies should the new switch have to allow this WAP to

be placed where the customer requests, without any other major changes to the environment?

A. PoE
B. Layer 3 switching
C. STP
D. VLAN

Answer: A

NEW QUESTION 388
- (Exam Topic 2)
An administrator is replacing an existing WAP because the customer is reporting that the connection speeds are too slow. Which of the following should be installed?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n

Answer: D

NEW QUESTION 391
- (Exam Topic 2)
Which of the following ports are MOST commonly used to interactively configure a networking device? (Select TWO).

A. 21
B. 22
C. 23
D. 53
E. 67

Answer: BC

NEW QUESTION 393
- (Exam Topic 2)
The Transport Layer of the TCP/IP model corresponds to which of the following layers of the OSI model?

A. 1
B. 3
C. 4
D. 5

Answer: C

NEW QUESTION 396
- (Exam Topic 2)
Something you have, something you are, and something you know are the three tenets of:

A. Social engineering
B. Change management
C. Remote access
D. Access control

Answer: D

NEW QUESTION 400
- (Exam Topic 2)
Which of the following DNS records would allow for a website to have more than one FQDN?

A. TXT
B. PTR
C. MX
D. CNAME

Answer: D

NEW QUESTION 405
- (Exam Topic 2)
Which of the following technologies is required to allow all ports of a single private IP to be publically accessible via a single public IP?

A. NAT
B. RIP
C. PAT
D. ACL

Answer: C

NEW QUESTION 410
- (Exam Topic 3)
A national cable company providing TV, telephone, and Internet service to home users over its IP network, has been tracking a large increase of network bandwidth due to P2P file sharing. Which of the following should the company deploy to ensure excellent TV and telephone service?

A. QoS
B. Load balancing
C. High availability
D. Fiber optics

Answer: A

NEW QUESTION 411
- (Exam Topic 3)
A technician is setting up a firewall on the network that would show a public IP address out to the Internet and assign private IP addresses to users inside the network. Which of the following processes should be set up?

A. Port security
B. MAC filtering
C. ACL
D. NAT

Answer: D

NEW QUESTION 416
- (Exam Topic 3)
Which of the following would Kim, a technician, do to monitor remote traffic through an access point?

A. Enable an SNMP agent
B. Enable network mapping
C. Set monitoring SSID
D. Select WPA2

Answer: A

NEW QUESTION 421
- (Exam Topic 3)
Kim, a technician, needs to locate a cable in an unorganized wiring closet. Which of the following tools will help her locate the cable?

A. Protocol analyzer
B. Cable tester
C. Toner probe
D. Punch down tool

Answer: C

NEW QUESTION 425
- (Exam Topic 3)
A user has no network connectivity. Jeff, the network technician, is unable to locate the CAT5e cable from the user at the IDF. Which of the following tools would be used to assist Jeff in locating the CAT5e cable?

A. Butt set
B. Punch down tool
C. Toner probe
D. Protocol analyzer

Answer: C

NEW QUESTION 430
- (Exam Topic 3)
A company is experiencing accessibility issues reaching services on a cloud-based system. Which of the following monitoring tools should be used to locate possible outages?

A. Network analyzer
B. Packet analyzer
C. Protocol analyzer
D. Network sniffer

Answer: A

Explanation:
A network analyzer is a useful tool, helping you do things like track traffic and malicious usage on the network.

NEW QUESTION 433
- (Exam Topic 3)
Which of the following methods for network performance optimization is used to distribute traffic among similar devices?

A. Fault tolerance
B. QoS
C. Proxy server
D. Load balancing

Answer: D

NEW QUESTION 437
- (Exam Topic 3)
A customer has not been using security on a wireless network and has recently received many attacks through this vector.
Which of the following would be the MOST secure way to harden this wireless network?

A. Disable the SSID
B. WPA encryption
C. VLAN implementation
D. WEP encryption

Answer: B

NEW QUESTION 440
- (Exam Topic 3)
Which of the following should be implemented in a networked environment carrying teleconferencing packets?

A. L2TP
B. SSH
C. QoS
D. SNMP

Answer: C

NEW QUESTION 444
- (Exam Topic 3)
When Jeff, a technician, is troubleshooting a problem, which of the following is the NEXT step after verifying full system functionality?

A. Establish a plan of action to resolve the problem and identify potential effects.
B. Implement the solution.
C. Establish a theory of probable cause.
D. Document findings, actions, and outcomes.

Answer: D

NEW QUESTION 446
- (Exam Topic 3)
A network technician is installing a simple SOHO router with wireless functionality. Which of the following wireless encryption standards would be BEST suited for the HIGHEST level of security?

A. WPA2
B. WPA
C. WEP64
D. WEP128

Answer: A

NEW QUESTION 449
- (Exam Topic 3)
Which of the following DNS records allows for reverse lookup of a domain?

A. PTR
B. AAAA
C. A
D. MX

Answer: A

NEW QUESTION 453
- (Exam Topic 3)
Which of the following devices are MOST often responsible for 1q tagging? (Select TWO).

A. Switch
B. Router
C. IDS
D. Hub
E. IPS
F. Network tap

Answer: AB

NEW QUESTION 455
- (Exam Topic 3)
Zach, a technician, is checking newly installed CAT5e cabling, and suspects that some of the ends were not properly terminated. Which of the following tools will verify this?

A. Cable tester
B. Toner probe
C. OTDR
D. Loopback plug

Answer: A

NEW QUESTION 456
- (Exam Topic 3)
Which of the following is the correct representation of an IPv6 address?

A. ::
B. 0:0:0:0:0:0:0:0:1
C. 1:2:3:4:AB:CD:EF
D. 2001::4860:800f::

Answer: A

NEW QUESTION 459
- (Exam Topic 3)
Zach, a technician, needs to terminate a CAT5e Ethernet cable to a 110 block. Which of the following tools should he use?

A. Toner probe
B. Punch down
C. Wire tester
D. Crimper

Answer: B

NEW QUESTION 461
- (Exam Topic 3)
A technician needs to verify an Ethernet run is functioning properly. Which of the following tools should be used?

A. Protocol analyzer
B. Crimper
C. Cable tester
D. Punch down tool

Answer: C

NEW QUESTION 463
- (Exam Topic 3)
Which of the following solutions will detect and disable a rogue access point?

A. Port scan
B. Packet sniffer
C. IPS
D. IDS

Answer: C

NEW QUESTION 468
- (Exam Topic 3)
An administrator has received a recommendation against deploying WEP as a wireless encryption protection scheme. Which of the following is MOST likely the reason?

A. WEP's IV is too small.
B. WEP uses RC4 which is easily accessible and not secure.
C. WEP uses plain text.
D. WEP is not well supported.

Answer: A

NEW QUESTION 470
- (Exam Topic 3)
Zach, a network administrator, needs to purchase a new switch to support VoIP phones and wireless access points in a new building. Which of the following features are the MOST important for the new switch to support?

A. PoE and QoS
B. LACP and OSPF
C. 802.1x and 802.11n
D. NAT and VTP

Answer: A

NEW QUESTION 473
- (Exam Topic 3)
Which of the following IP addresses would be classified as private?

A. 10.100.200.0
B. 169.253.10.20
C. 172.168.5.0
D. 200.100.25.0

Answer: A

NEW QUESTION 474
- (Exam Topic 3)
Lisa, an administrator, has set up an 802.11n wireless network. Users with 802.11n laptops have reported that speeds are slow. After testing, Lisa determines that users max out at 802.11g speeds. Which of the following would MOST likely fix this issue?

A. Enable wireless multimedia (WMM) for QoS
B. Use the 40MHz channels in the 2.4GHz band
C. Enable access point antenna isolation
D. Limit the clients to 802.11g compatible laptops

Answer: A

NEW QUESTION 476
- (Exam Topic 3)
Which of the following communication modes has the LOWEST overhead necessary to support streaming protocols such as RTP?

A. Connectionless
B. Stateful
C. Full Duplex
D. Quality of Service

Answer: A

NEW QUESTION 478
- (Exam Topic 3)
When configuring a WAP for a SOHO, which parameter will BEST limit access to the office area?

A. Signal strength
B. SSID enable
C. Encryption
D. Password hardening

Answer: A

NEW QUESTION 483
- (Exam Topic 3)
An analog POTS voice line is no longer working and Kim, the technician, is tasked to verify if a dial tone is present at the IDF. Which of the following tools would be used?

A. Protocol analyzer
B. Butt set
C. OTDR
D. Toner probe

Answer: B

NEW QUESTION 485
- (Exam Topic 3)
A network technician is troubleshooting intermittent issues with VoIP call quality. A throughput tester can help assess the functionality of which of the following?

A. LLDP
B. VLAN tagging
C. QoS
D. SIP trunking

Answer: C

NEW QUESTION 487
- (Exam Topic 3)
Kim, the client, has requested a cost-effective network solution to accommodate the ability to reconfigure the office space as needed. Which networking solution would provide the BEST solution?

A. Private IP Addressing
B. Wireless Access Points
C. Wide Area Networking
D. Virtual Local Area Networks

Answer: B

NEW QUESTION 491
- (Exam Topic 3)
When using high bandwidth applications over multiple WAN connections, which of the following should be used?

A. Static IP addressing
B. Half-duplex
C. PoE devices
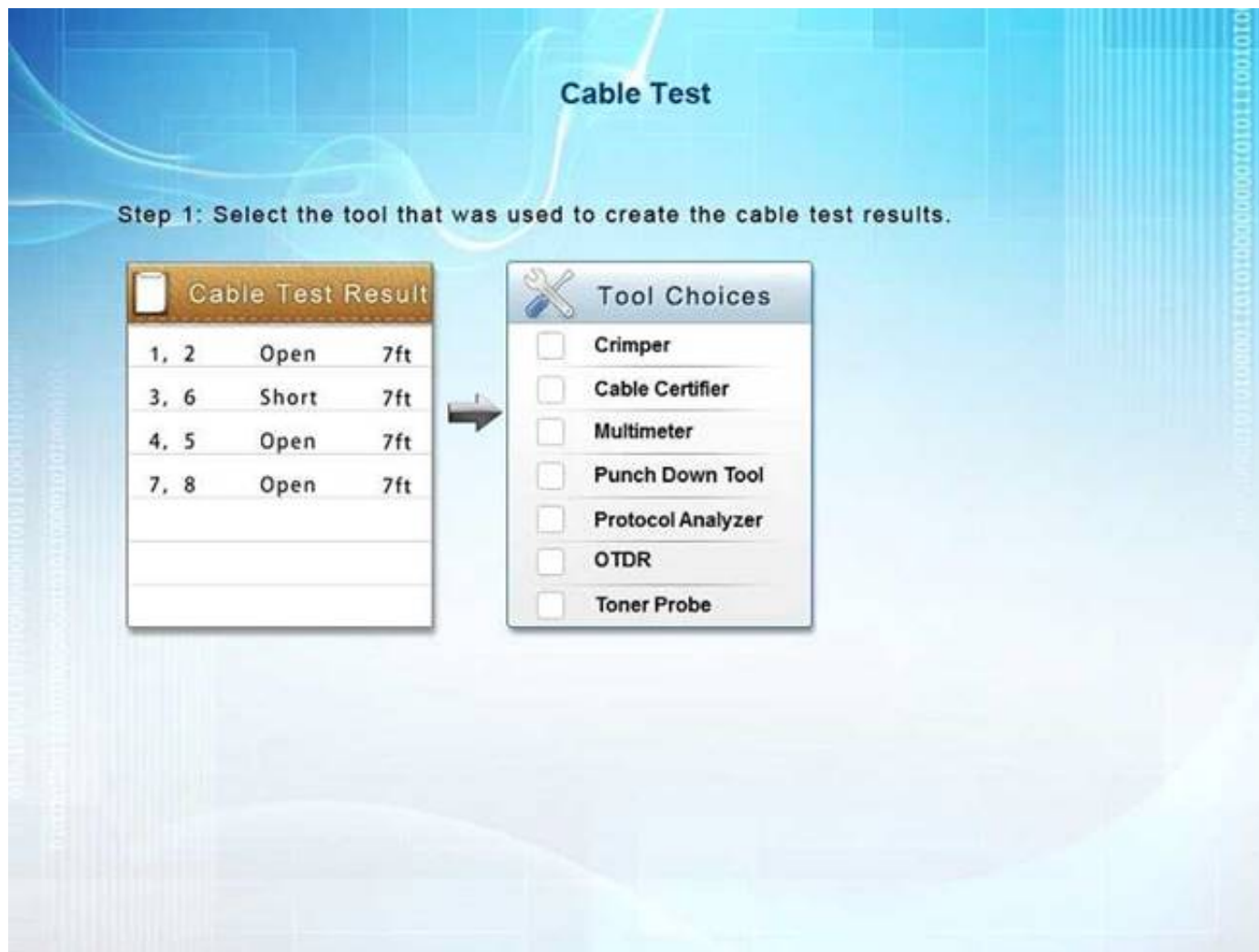D. Load balancing

Answer: D

NEW QUESTION 494
- (Exam Topic 3)
You have been tasked with testing a CAT5e cable. A summary of the test results can be found on the screen. Step 1: Select the tool that was used to create the cable test results.
Step 2: Interpret the test results and select the option that explains the results. After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
ACable Certifier provides "Pass" or "Fail" information in accordance with industry standards but can also show detailed information when a "Fail" occurs. This includes shorts, the wire pairs involved and the distance to the short. When a short is identified, at the full length of the cable it means the cable has not been crimped correctly.

NEW QUESTION 497
- (Exam Topic 3)
Which of the following devices can be used to offload outbound web server SSL encryption overhead?

A. NIPS
B. Proxy server
C. Content filter
D. VPN connectator

Answer: B

NEW QUESTION 501
- (Exam Topic 3)
Which of the follow creates a secure remote connection at the OSI network layer?

A. L2TP
B. SSL
C. DTLS
D. IPSec

Answer: D

NEW QUESTION 504
- (Exam Topic 3)
A user snapped the retention tab off of a network cable. Which of the following tools would Jeff, a technician, use to replace the RJ-45 connector?

A. Wire tester
B. Punch down
C. Crimper
D. Multimeter

Answer: C

NEW QUESTION 507
- (Exam Topic 3)
An 801.11g wireless access point was configured as follows:
- AP encryption forced to WPA2-AES mode only

- MAC address filtering enabled with the following MAC address in the allow list: 00-ab-29-da-c3-40 Which is true about the above configuration?

A. Any 802.11b/g compatible client can connect to the wireless network if they support TKIP, the MAC address is 00-ab-29-da-c3-40, and the encryption key is known by the client.
B. An 802.11a compatible client can connect to the wireless network only if its MAC address is 00- ab-29-da-c3-40 and the encryption key is known by the client.
C. An 802.11n compatible client can connect to the wireless network only if its MAC address is 00- ab-29-da-c3-40 and the encryption key is known by the client.
D. Any 802.11g compatible client can connect to the wireless network if the encryption key is known by the client.

Answer: C

NEW QUESTION 508
- (Exam Topic 3)
Which of the following could be used to estimate RTT across a router?

A. Dig
B. Traceroute
C. Arp
D. Uptime

Answer: B

NEW QUESTION 512
- (Exam Topic 3)
Lisa, a consultant, is inspecting an office that reports frequent wireless issues. Upon scanning the network broadcasting in the vicinity of the office, seven SSIDs are found. The company's Wi-Fi network and three others all share channel six. Which of the following is MOST likely causing the issue?

A. Frequency interference
B. Low signal strength
C. Standard mismatch
D. Incorrect channel

Answer: A

NEW QUESTION 515
- (Exam Topic 3)
A customer wishes to network several computers throughout a large warehouse containing numerous metal shelves and concrete walls. The computers are at least 175 meters (574 feet) apart. Which of the following media types should be recommended for the customer using only a single switch?

A. Fiber optic
B. Wireless
C. CAT5e
D. CAT3

Answer: A

NEW QUESTION 520
- (Exam Topic 3)
A user reports a network failure on a computer. The technician determines that the computer and NIC are operating properly. Which of the following tools can the technician use to trace the network cabling back to the punch down block?

A. Protocol analyzer
B. Multimeter
C. Punch down tool
D. Toner probe

Answer: D

NEW QUESTION 525
- (Exam Topic 3)
Two WAPs are positioned with overlapping coverage, but seamless roaming across them is not working. Which of the following should be checked?

A. WPA should be enabled
B. PKI should be turned off
C. WAP SSIDs are matching
D. WAPs are transmitting on same channel

Answer: C

NEW QUESTION 526
- (Exam Topic 3)
Jeff, a customer, has a wireless network and has reported that the network traffic from the wireless access points seems high compared to the limited number of wireless devices used. Jeff believes that other
non-employees are using the wireless network to access the Internet. Which of the following could be used to limit the access to the wireless network? (Select TWO).

A. WPA encryption
B. Changing wireless channels

C. MAC filtering
D. Changing wireless speed standards
E. SSID disable

Answer: AC

NEW QUESTION 529

- (Exam Topic 3)
A company decides to deploy customer-facing, touch-scan kiosks. The kiosks appear to have several open service ports that could potentially become compromised. Which of the following is the MOST effective way to protocol the kiosks?

A. Install an IDS to monitor all traffic to and from the kiosks.
B. Install honeypots on the network to detect and analyze potential kiosk attacks before they occur.
C. Enable switchport security on the ports to which the kiosks are connected to prevent network –level attacks.
D. Create a new network segment with ACLs, limiting kiosks' traffic with the internal network.

Answer: D

NEW QUESTION 534

- (Exam Topic 3)
A network technician is configuring user's access to a VPN concentrator and has advised to use a protocol that supports encryption over UDP. Which of the following protocols has the technician MOST likely configured for client use?

A. TFTP
B. DTLS
C. DNS
D. SNMP

Answer: B

NEW QUESTION 538

- (Exam Topic 3)
A network technician is trying to terminate CAT5 modular jacks. Which of the following tools would be MOST appropriate for this scenario?

A. Crimper
B. OTDR
C. Throughput tester
D. Punch down tool

Answer: D

NEW QUESTION 539

- (Exam Topic 3)
Which of the following protocols is used to allow multiple hosts to share a common IP address?

A. HTTPS
B. ARP
C. CARP
D. NAT

Answer: D

NEW QUESTION 542

- (Exam Topic 3)
Which of the following diagnostic commands relies on proper forwarding of ICMP ECHO packets?

A. ipconfig
B. ping
C. route
D. nbstat

Answer: B

NEW QUESTION 545

- (Exam Topic 3)
Jeff, a user, is having a problem with a POTS line. Which of the following tools would Jeff use to make sure the phone lines have a dial tone?

A. Loopback plugs
B. Butt set
C. Cable certifier
D. Toner probe

Answer: B

NEW QUESTION 550

- (Exam Topic 3)
A mobile user is no longer able to access network resources. Jeff, the network technician, is unable to ping the user's workstation. Which of the following commands would MOST likely be used on that workstation to verify its current network settings?

A. net share
B. hostname
C. ipconfig
D. tracert

Answer: C

NEW QUESTION 555
- (Exam Topic 3)
Which of the following utilities would a technician use to determine the location of lost packets on a routed network?

A. ping
B. nslookup
C. route
D. tracert

Answer: D

NEW QUESTION 558
- (Exam Topic 3)
Kim, a user, cannot access the network using wireless. Which of the following is MOST likely the cause?

A. TXRX is reversed
B. Faulty crossover cable
C. Incorrect WEP key
D. A short in the cable pairs

Answer: C

NEW QUESTION 559
- (Exam Topic 3)
Keeping an authoritative and timely record of network devices and their settings is a key activity of which of the following?

A. Project management
B. Quality of service
C. Configuration management
D. Bandwidth shaping

Answer: C

NEW QUESTION 562
- (Exam Topic 3)
A company is having a new T1 line installed. Which of the following will the connection MOST likely terminate to?

A. Core switch
B. MDF
C. Ethernet router
D. IDF

Answer: B

NEW QUESTION 566
- (Exam Topic 3)
Which of the following is the prefix for a link-local IPv6 address?

A. FE80::/10
B. FF00::/8
C. 2FFE::/16
D. FEEF:/12

Answer: A

NEW QUESTION 568
- (Exam Topic 3)
A technician needs to test the length of a newly installed cable run because it is believed that it exceeds the maximum specification length. Which of the following tools should be used?

A. Cable certifier
B. Toner probe
C. Cable tester
D. Protocol analyzer

Answer: A

NEW QUESTION 571
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