

N10-007 Dumps

CompTIA Network+ N10-007

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NEW QUESTION 1

- (Exam Topic 1)

A network administrator has been given a network of 172.16.85.0/21 and wants to know the usable range of IP addresses on that subnet. Which of the following indicates the correct IP address range?

- A. 172.16.80.0-172.16.85.254
- B. 172.16.80.0-172.16.88.255
- C. 172.16.80.1-172.16.87.254
- D. 172.16.80.1-172.16.85.255

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

Which of the following backup techniques is used to capture all the data that has changed since the least full backup?

- A. Incremental
- B. Replica
- C. Different
- D. Snapshot

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

A technician is troubleshooting a workstation's network connectivity and wants to confirm which switchport corresponds to the wall jack the PC is using. Which of the following concepts would BEST help the technician?

- A. Consistent labeling
- B. Change management
- C. Standard work instruction
- D. Inventory management
- D. Network baseline

Answer: A

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 company has just refreshed the hardware in its datacenter with new 10G Ethernet switches and wishes to set up a new storage area network but must use existing infrastructure. Which of the following storage standards should the technician use?

- A. iSCSI
- B. Fibre Channel
- C. NAS
- D. InfinBand

Answer: C

NEW QUESTION 6

- (Exam Topic 1)

A network technician configures a firewall's ACL to allow outgoing traffic for several popular services such as email and web browsing. However, after the firewall's deployment, users are still unable to retrieve their emails. Which of the following would BEST resolve this issue?

- A. Allow the firewall to accept inbound traffic to ports 25, 67, 179, and 3389
- B. Allow the firewall to accept inbound traffic to ports 80, 110, 143, and 443
- C. Set the firewall to operate in transparent mode
- D. Allow the firewall to accept inbound traffic to ports 21, 53, 69, and 123

Answer: B

NEW QUESTION 7

- (Exam Topic 1)

An administrator is troubleshooting a user's intermittent wireless connectivity issue. Other users across the hallway can connect and 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)

A technician is configuring a default route with IPv6. Which of the following is the correct setting for an IPV6 default rout?

- A. :: 1
- B. :: /0
- C. 2001: :0/64
- D. FE80 : :0/64

Answer: C

NEW QUESTION 9

- (Exam Topic 1)

A network technician is planning to update the firmware on a router on the network. The technician has downloaded the file from the vendor's website. Before installing the firmware update, which of the following steps should the technician perform to ensure file integrity?

- A. Perform antivirus and anti-malware scans of the file.
- B. Perform a hash on the file for comparison with the vendor's hash.
- C. Download the file a second time and compare the version numbers.
- D. Compare the hash of the file to the previous firmware update.

Answer: B

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 12

- (Exam Topic 1)

A network administrator is redesigning network security after an attack. During the attack, an attacker used open cubicle location to attach devices to the network. The administrator wants to be able to monitor future attack in a safe environment and determine the method of attack. Which of the following should the administrator do to Best meet this requirement?

- A. Create a VLAN for the unused ports and create a honeypot on the VLAN.
- B. Install a BPDU guard on switchports and enable STP
- C. Create a DMZ for public server and secure a segment for the internal network
- D. Install antivirus software and set an ACL on the servers.

Answer: A

NEW QUESTION 17

- (Exam Topic 1)

Users are reporting Internet connectivity issues. The network administrator wants to determine if the issues are internal to the company network or if there is an issue with the ISP. Which of the following tools should be used to BEST determine where the outage is occurring?

- A. traceroute
- B. ping
- C. nslookup
- D. netstat

Answer: A

NEW QUESTION 22

- (Exam Topic 1)

To replace a defective UPS, the network administrator must take the switch offline. The administrator wants to be able to perform maintenance UPS in the future without affecting the availability of the attached switch. Which of the following would BEST allow this to happen?

- A. Add a redundant power supply to the switch
- B. Implement stacking on the switches in the rack
- C. Add a second UPS into the rack
- D. Install a power converter for the switch

Answer: A

NEW QUESTION 25

- (Exam Topic 1)

A technician must determine if a web page user's visits are connecting to a suspicious website's IP address in the background. Which of the following tools would provide the information on TCP connections?

- A. netstat
- B. tracert
- C. arp
- D. ipconfig
- E. route

Answer: A

NEW QUESTION 30

- (Exam Topic 1)

A technician is sent to a remote office to set up a device to connect to the internet. The company Standard document requires stateful inspection. Which of the following should the technician install?

- A. ROUTER
- B. Multilayer switch
- C. Firewall
- D. Bridge

Answer: C

NEW QUESTION 33

- (Exam Topic 1)

A network technician needs to set up an access method for Ann, a manager, to work from home. Ann needs to locally mapped corporate resources to perform her job. Which of the following would provide secure access to the corporate resources?

- A. Utilize an SSH connection to the corporate server.
- B. Use TFTP to transfer files to corporate resources.
- C. Allow RDP through an external firewall.
- D. Connect utilizing client-to-site VPN.

Answer: D

NEW QUESTION 38

- (Exam Topic 1)

In a service provider network, a company has an existing IP address scheme. Company A's network currently uses the following scheme:

```
Subnet 1: 192.168.1.0/26
Subnet 2: 192.168.1.65/26
```

Company b uses the following scheme: Subnet 1: 192.168.1.50/28

The network administrator cannot force the customer to update its IP scheme. Considering this, which of the following is the BEST way for the company to connect these networks?

- A. DMZ
- B. PAT
- C. NAT

D. VLAN

Answer: C

NEW QUESTION 43

- (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 44

- (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 48

- (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. tracer
- B. ping
- C. tcpdump
- D. pathping
- E. netstate
- F. nslookup
- G. route

Answer: EF

NEW QUESTION 51

- (Exam Topic 1)

A network administrator receives a call from the sales department requesting ports 20 and 21 be opened on the company's firewall to allow customers to retrieve a large file. Which of the following should the administrator perform BEFORE making the needed changes? (Choose two.)

- A. Document the reason for the request
- B. Scan the file for malware to protect the sales department's computers
- C. Follow the company's approval process for the implementation
- D. Install a TFTP server for the customers to use for the transfer
- E. Create a honeypot to store the file on for the customers to use
- F. Write the SLA for the sales department authorizing the change

Answer: AC

NEW QUESTION 54

- (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 56

- (Exam Topic 1)

A network technician receives a call from a user in the accounting department stating that Internet connectivity has been lost after receiving a new workstation. No other users in accounting are reporting similar issues. The network technician is able to ping the machine from the accounting department's router, but is not able to ping the machine from the IT network. Which of the following is MOST likely the cause?

- A. Incorrect default gateway
- B. Duplicate IP address
- C. Misconfigured OSPF

D. Improper VLAN assignment

Answer: A

NEW QUESTION 59

- (Exam Topic 1)

A technician is troubleshooting network connectivity issues with a remote host. Which of the following tools would BEST inform the technician of nodes between the client and the remote host? (Choose two.)

- A. tracer
- B. ping
- C. tcpdump
- D. pathping
- E. netstat
- F. nslookup
- G. route

Answer: AD

NEW QUESTION 60

- (Exam Topic 1)

A network engineer planning for wireless connectivity in large office building. Currently, the office building contains both legacy and newer devices. Which of the following wireless network routers should engineer select for the fastest throughput for all wireless devices in the office building?

- A. 802.11ac
- B. 802.11b
- C. 802.11g
- D. 802.11n

Answer: A

Explanation:

<https://www.forbes.com/forbes/welcome/?toURL=https://www.forbes.com/sites/gordonkelly/2014/12/30/802-11>

NEW QUESTION 63

- (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 68

- (Exam Topic 1)

Which of the following provides the ability to deploy consistent access point configurations from a central location?

- A. Wireless controller
- B. AAA server
- C. WiFi-protected setup
- D. Proxy server
- E. VPN concentrator

Answer: A

NEW QUESTION 73

- (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 74

- (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 79

- (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 84

- (Exam Topic 1)

A network technician has unable to make a 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 UTP instead of STP.
- C. The cables are 6 instead of Cat 5.
- D. The cables plenum rated.

Answer: D

NEW QUESTION 89

- (Exam Topic 1)

A company recently upgraded all of its printers to networked multifunction devices. Users can print to the new devices, but they would also like the ability to scan and fax files from their computers. Which of the following should the technician update to allow this functionality?

- A. Device software
- B. Printer drivers
- C. Printer firmware
- D. NIC drivers

Answer: C

NEW QUESTION 92

- (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-Wave

Answer: AD

NEW QUESTION 96

- (Exam Topic 1)

A network technician is implementing a solution on the network to hide the workstation internal IP addresses across a WAN. Which of the following is the technician configuring?

- A. QoS
- B. DMZ
- C. RIP
- D. NAT

Answer: D

NEW QUESTION 98

- (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 99

- (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 102

- (Exam Topic 1)

A network technician is configuring a firewall access list to secure incoming connections to an email server. The internal address of this email server is 192.168.1.143. The firewall should allow external email servers to send email to the email server. The email server also supports client access via a web browser. Only secure protocols should be used, and only the necessary ports should be open. Which of the following ACL rules should be configured in the firewall's WAN port? (Choose two.)

- A. Permit 192.168.1.143.25
- B. Permit 192.168.1.143.80
- C. Permit 192.168.1.143.110
- D. Permit 192.168.1.143.143
- E. Permit 192.168.1.143.443
- F. Permit 192.168.1.143.587

Answer: EF

NEW QUESTION 103

- (Exam Topic 1)

Two buildings used to be connected by wireless bridge, but they are upgrading to fiber. Which of the following new devices would be required at the demarcation points?

- A. Wireless access point
- B. Router
- C. Media converter
- D. Firewall

Answer: B

NEW QUESTION 104

- (Exam Topic 1)

Which of the following datacenter security methodologies is MOST likely to remain usable during a network outage?

- A. biometric scanners
- B. door locks
- C. video surveillance
- D. motion detectors

Answer: B

NEW QUESTION 107

- (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 112

- (Exam Topic 1)

A network administrator frequently 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 114

- (Exam Topic 1)

A network administrator is testing connectivity at a new corporate site. The site has a wireless guest as well as a wired employee network. After verifying connectivity, the administrator checks link speeds by using a speed testing website. The speed testing website shows lower download and upload speeds for the wired network than the wireless network. Which of the following is the MOST likely explanation?

- A. There is less local congestion on the wireless network
- B. The testing server for the wired network was farther away
- C. The firewall is configured to throttle traffic to specific websites
- D. The wireless access points were misconfigured

Answer: B

NEW QUESTION 115

- (Exam Topic 1)

A network technician receives a call from a user who is experiencing network connectivity issues. The network technician questions the user and learns the user brought in a personal wired router to use multiple computers and connect to the network. Which of the following has the user MOST likely introduced to the network?

- A. Rogue DHCP server
- B. Evil twin
- C. VLAN mismatch
- D. Honeytrap

Answer: A

NEW QUESTION 118

- (Exam Topic 1)

At which of the following OSI model layers would a router operate?

- A. Physical
- B. Network
- C. Transport
- D. Data link

Answer: B

NEW QUESTION 119

- (Exam Topic 1)

A technician is performing a maintenance task on a weekly basis and wants to ensure the task is properly documented and able to be performed by other technician. Which of the following types of documentation should the technician complete?

- A. Standard operating procedure
- B. Work order
- C. Performance baseline
- D. Logical diagram
- E. Change management

Answer: A

NEW QUESTION 122

- (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 124

- (Exam Topic 1)

A content 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 125

- (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 128

- (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 pointer 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 133

- (Exam Topic 1)

Which of the following physical security devices is used to detect unauthorized server room access?

- A. Access badge
- B. Biometrics
- C. Smart card
- D. Video surveillance

Answer: D

NEW QUESTION 134

- (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 136

- (Exam Topic 1)

An assistant systems analyst reports the following findings of an investigation of slow Internet connections in a remote office to the senior systems analyst:

Device	CPU Utilization	Memory Utilization	Link Status
Router	5%	43%	Good
Firewall	92%	58%	Good
Switch 1	23%	32%	Good
Switch 2	8%	81%	Good

Which of the following devices is causing the issue?

- A. Router
- B. Firewall
- C. Switch 1

D. Switch 2

Answer: B

NEW QUESTION 137

- (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 141

- (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 145

- (Exam Topic 1)

Under which of the following layers of the OSI do ATM cells operate?

- A. Data link
- B. Network
- C. Session
- D. Transport
- E. Presentation

Answer: A

NEW QUESTION 146

- (Exam Topic 1)

A server in a LAN was configured to act as a gateway between all company computers and an external network. Which of the following network devices offers the ability to increase both performance and security?

- A. Load balancer
- B. IDS
- C. Proxy server
- D. Wireless controller

Answer: C

NEW QUESTION 150

- (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 152

- (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 157

- (Exam Topic 1)

A network technician is adding workstation to the enterprise network. After bringing the PCs online. The technician receives reports from random users that they cannot log on. The technician checks and finds everything is functioning for most users. Which of the following is MOST likely causing the problem?

- A. Exhausted DHCP scope
- B. DNS resolving
- C. Duplicate Mac address
- D. Incorrect ACL entry

Answer: C

NEW QUESTION 158

- (Exam Topic 1)

A network technician notices the site-to-site VPN and Internet connection have not come back up at a branch office after a recent power outage. Which of the following is an out-of-band method the technician would MOST likely utilize to check the branch office's router status?

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

Answer: A

NEW QUESTION 159

- (Exam Topic 1)

A junior technician is setting up a voice control device so the Chief Executive Officer (CEO) will be able to control various things in the office. Of which of the following types of IoT technologies is this an example?

- A. LAN
- B. WAN
- C. SAN
- D. PAN

Answer: D

NEW QUESTION 164

- (Exam Topic 1)

A network administrator is going to be performing a major upgrade to the network. Which of the following should the administrator use in case of a failure?

- A. Baseline report
- B. Vulnerability report
- C. Rollback plan
- D. Business continuity plan

Answer: C

NEW QUESTION 166

- (Exam Topic 1)

Which of the following is the number of broadcast domains that are created when using an unmanaged 12-port switch?

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

Answer: B

NEW QUESTION 167

- (Exam Topic 1)

A junior network technician receives a help desk ticket from an end user who is having trouble accessing a web application that was working the previous day. After talking with the end user and gathering information about the issue, which of the following would be the most likely course of action for the technician to perform next?

- A. Establish a theory of probable cause.
- B. Escalate the ticket to a senior technician.
- C. Implement the solution.
- D. Document the findings and outcomes.

Answer: A

NEW QUESTION 168

- (Exam Topic 1)

A network technician is diagnosing a time-out issue generated from an end user's web browser. The web browser issues standard HTTP GET and POST commands to interact with the website. Given this information, the technician would like to analyze the entire TCP handshake of the HTTP requests offline. Which of the following tools would allow the technician to view the handshake?

- A. Packet analyzer

- B. Port analyzer
- C. SNMP traps
- D. Spectrum analyzer

Answer: A

NEW QUESTION 173

- (Exam Topic 1)

Which of the following ports should a network technician open on a firewall to back up the configuration and operating system files of a router to a remote server using the FASTES method possible?

- A. UDP port 22
- B. TCP port 22
- C. TCP port 25
- D. UDP port 53
- E. UDP port 69

Answer: E

NEW QUESTION 177

- (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 179

- (Exam Topic 1)

A junior network technician is setting up a new email server on the company network. Which of the following default ports should the technician ensure is open on the firewall so the new email server can relay email?

- A. 23
- B. 25
- C. 110
- D. 143

Answer: B

NEW QUESTION 183

- (Exam Topic 1)

A technician is configuring a printer for a client. The technician connects the printer to the network, but is unsure how to determine its switchport. Which of the following should the technician do FIRST to locate the switchport?

- A. Perform a DNS lookup on the server.
- B. Set up an SSH session to the desktop.
- C. Reference the ARP table in the router.
- D. Configure port security on the switch.

Answer: C

NEW QUESTION 187

- (Exam Topic 1)

The process of attempting to exploit a weakness in a network after being given permission by the company is known as:

- A. penetration testing
- B. vulnerability scanning
- C. reconnaissance
- D. social engineering

Answer: A

NEW QUESTION 192

- (Exam Topic 1)

A contractor is setting up and configuring conference rooms for a convention. The contractor sets up each room in the conference center to allow wired Internet access going to individual tables. The contractor measured the distance between the hotel's patch panel to the jack, and the distance is within Cat 5e specifications. The contractor is concerned that the room will be out of specification if cables are run in each room from the wall jacks. Which of the following actions should the contractor take to ensure the cable runs meet specifications and the network functions properly?

- A. Place a switch at the hotel's patch panel for connecting each room's cables
- B. Place a switch on each table to ensure strong connectivity
- C. Place repeaters between the patch panel and the rooms

D. place a switch at the wall jack and run the cables in the room from there

Answer: A

NEW QUESTION 197

- (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 202

- (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 quotas

Answer: C

NEW QUESTION 205

- (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 207

- (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 211

- (Exam Topic 1)

A network security technician observes multiple attempts to scan network hosts and devices. All the attempts originate from a single host on the network. Which of the following threats is MOST likely involved?

- A. Smurf attack
- B. Rogue AP
- C. Compromised system
- D. Unintentional DoS

Answer: C

NEW QUESTION 215

- (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 217

- (Exam Topic 1)

Which of the following is a reason why a business may be hesitant to move sensitive data to a SaaS cloud service?

- A. Decreased performance of internal network
- B. Loss of full control over data resources
- C. Increased malware exposure
- D. Incompatibility with the current network

Answer: B

NEW QUESTION 218

- (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 access
- 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 access
- 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 tagging
- H. Session hijacking is a web-based attack aimed at privilege escalation

Answer: A

NEW QUESTION 221

- (Exam Topic 1)

Which of the following protocols do MOST MITM attacks utilize?

- A. ARP
- B. SIP
- C. FTP
- D. SCP

Answer: A

NEW QUESTION 224

- (Exam Topic 1)

Which of the following is recognized as the SMALLEST network type?

- A. SAN
- B. CAN
- C. PAN
- D. LAN

Answer: C

Explanation:

PAN is definitively the smallest type of network you can currently use and the name comes from Personal Area Network. You've probably used this in the last week without even knowing it.

<http://compinfo.pro.com/types-of-network-pan-man-wlan-san-can-dan/>

NEW QUESTION 228

- (Exam Topic 1)

A small town is attempting to attract tourists who visit larger nearby cities. A network engineer is asked to implement a network encompassing the five-block town center and nearby businesses. The inclusion of smartphones and portable devices is crucial to the plan. Which of the following is the network engineer being asked to implement?

- A. LAN
- B. PAN
- C. MAN
- D. WAN

Answer: C

NEW QUESTION 233

- (Exam Topic 1)

A technician is investigating a server performance issue. The technician has gathered the server utilization statistics. Which of the following should the technician use to determine which statistics are not in the normal range?

- A. Baseline review
- B. Vulnerability scan
- C. System life-cycle report
- D. Archiving logs

Answer: A

NEW QUESTION 236

- (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 238

- (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 240

- (Exam Topic 1)

Which of the following protocols is associated with a three-way handshake?

- A. UDP
- B. ICMP
- C. GRE
- D. TCP

Answer: D

NEW QUESTION 241

- (Exam Topic 1)

As part of a transition from a static to a dynamic routing protocol on an organization's internal network, the routing protocol must support IPv4 and VLSM. Based on those requirements, which of the following should the network administrator use? (Choose two.)

- A. OSPF
- B. IS-IS
- C. RIPv1
- D. BGP
- E. VRRP

Answer: AB

NEW QUESTION 244

- (Exam Topic 1)

A technician is replacing a failed SOHO router for a customer who has an existing, cable modem, and static IP address. The user has a web server that faces the Internet so users can visit and leave comments. Which of the following BEST describes the correct configuration for this customer's requirements?

- A. The modem is placed in bridge mode, the router is placed behind the modem, and the web server is placed behind the router.
- B. The router is placed in bridge mode, the modem is placed behind the router, and the web server is placed behind the modem.
- C. The web server is placed in bridge mode, the router is placed behind the server, and the modem is placed behind the router.
- D. The switch is placed in bridge mode, the modem is placed behind the switch, and the router is placed behind the modem.

Answer: A

NEW QUESTION 247

- (Exam Topic 1)

Which of the following is used to classify network data for the purpose of providing QoS?

- A. STP
- B. VLANs
- C. SIP
- D. DSCP

Answer: D

NEW QUESTION 248

- (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 250

- (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 254

- (Exam Topic 1)

A network technician is installing a new SOHO branch office that requires the use of a DOCSIS-compatible. The modem 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 257

- (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 261

- (Exam Topic 1)

A customer is reporting difficulty connecting some devices after replacing a wireless router with a new wireless 802.11ac router. The SSID, encryption and password are the same as the previous router. A technician goes on-site and notices the devices that are no longer connecting appear to be several years ago. Which of the following is MOST likely the problem?

- A. the password needs to be re-entered.
- B. there is a security type mismatch.
- C. there is insufficient antenna power.
- D. there is a frequency mismatch.
- E. the channel has changed.

Answer: D

NEW QUESTION 265

- (Exam Topic 1)

A network engineer is configuring wireless access for guests at an organization. Access to other areas in the organization should not be accessible to guests. Which of the following represents the MOST secure method to configure guest access to the wireless network?

- A. Guests should log into a separate wireless network using a captive portal
- B. Guests should log into the current wireless network using credentials obtained upon entering the facility
- C. The existing wireless network should be configured to allow guest access
- D. An additional wireless network should be configured to allow guest access

Answer: A

NEW QUESTION 269

- (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 273

- (Exam Topic 1)

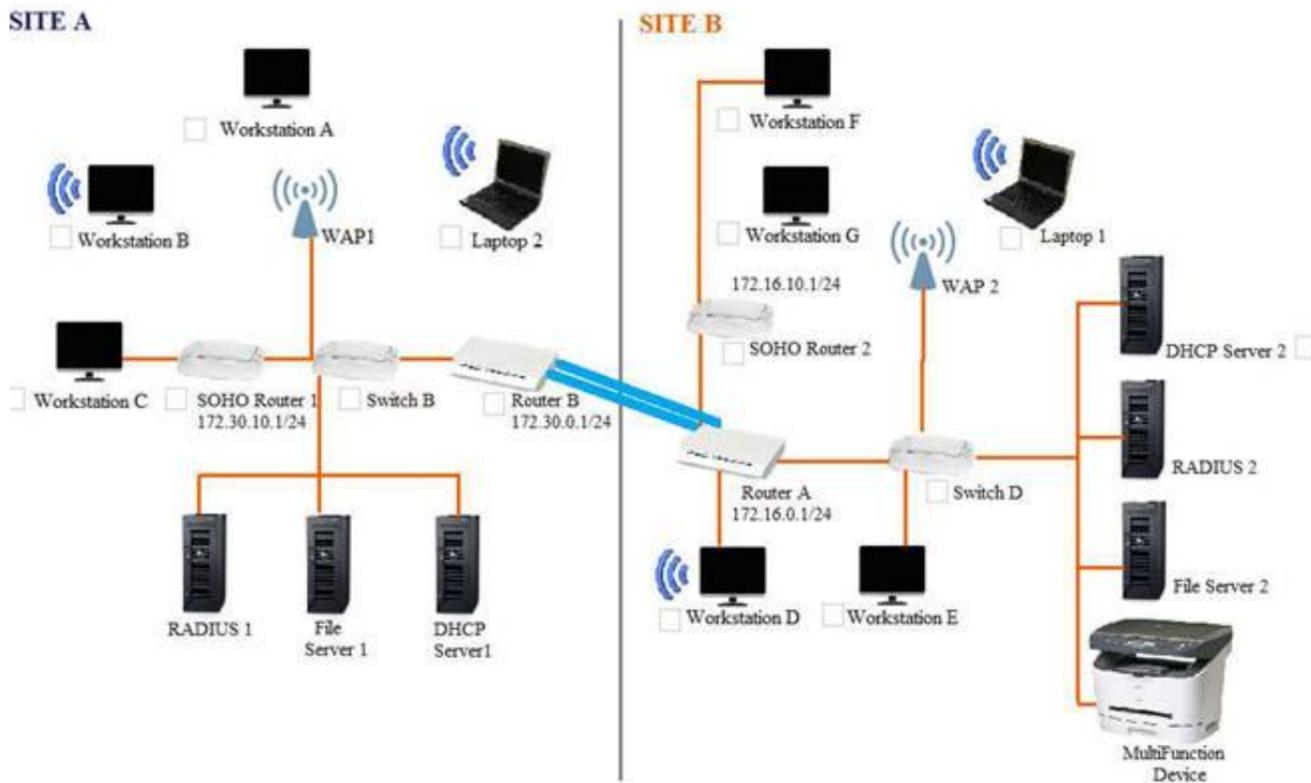
Multiple users are reporting that they are unable to access the network. The ENTIRE network is shown in the diagram. PCs are not statically assigned IP addresses. The following devices will display settings.

- WorkstationA
- WorkstationB
- WorkstationC
- WorkstationD
- WorkstationE
- WorkstationF
- WorkstationG
- Laptop1
- Laptop2
- DHCP server1
- DHCP server2

Review the settings and select the box in the diagram that identifies the device causing the issue. Only one device can be selected at a time. After checking the device that is causing the issue, select the second tab in the lower left hand corner. Identify the reason as to why some users are unable to access the network.

Site A and B Network Diagram

Instructions: Only one device can be selected at a time. Please ensure you complete Part 1 and Part 2 of the simulation.



WORKSTATION A

IP Address	172.30.0.10
Netmask	255.255.255.0
Gateway	172.30.0.1

OK

WORKSTATION B

IP Address	172.30.0.14
Netmask	255.255.255.0
Gateway	172.30.0.1

OK

WORKSTATION C

IP Address	169.254.200.67
Netmask	255.255.255.0
Gateway	

OK

WORKSTATION D

IP Address	172.16.0.221
Netmask	255.255.255.0
Gateway	172.16.0.1

OK

WORKSTATION E

IP Address	172.16.0.21
Netmask	255.255.255.0
Gateway	172.16.0.1

OK

WORKSTATION F

IP Address	172.16.10.43
Netmask	255.255.255.0
Gateway	172.16.10.1

OK

WORKSTATION G

IP Address	172.16.10.120
Netmask	255.255.255.0
Gateway	172.16.10.1

OK

LAPTOP 1

IP Address	172.16.0.220
Netmask	255.255.255.0
Gateway	172.16.0.1

OK

LAPTOP 2

IP Address	172.30.0.12
Netmask	255.255.255.0
Gateway	172.30.0.1

OK

DHCP SERVER 1

IP Address	172.30.0.5
Netmask	255.255.255.0
Gateway	172.30.0.1

DHCP Scope	172.30.0.10-250
Gateway	172.30.0.1
DNS Servers	10.200.2.20, 10.200.3.20
DHCP Lease Time	8 days

OK

DHCP SERVER 2	
IP Address	172.30.0.5
Netmask	255.255.255.0
Gateway	172.16.0.1
DHCP Scope	172.16.0.10-250
Gateway	172.16.0.1
DNS Servers	10.200.2.20, 10.200.3.20
DHCP Lease Time	8 days
<input type="button" value="OK"/>	

Part 2

Identify the reason as to why some users are unable to access the network.

- A. Workstation(s) are plugged into switch ports configured with half duplex.
- B. The site-to-site router was configured with the incorrect ACL.
- C. DHCP server scope is full and is not providing IP addresses.
- D. WAN and LAN ports are reversed on the router.
- E. STP had disabled some of the ports on the switch.
- F. The NIC driver is not installed.
- G. A wireless client is unable to associate to the AP.

Answer: G

NEW QUESTION 277

- (Exam Topic 1)

When choosing a type of storage that integrates with the existing network infrastructure, the storage must be easily configurable to share files and can communicate with all existing clients over TCP/IP. Which of the following is the BEST technology for the network administrator to implement?

- A. iSCSI
- B. Fibre Channel
- C. NAS
- D. DAS

Answer: C

NEW QUESTION 280

- (Exam Topic 1)

Which of the following is a system of notation that uses base 16 rather than base 10?

- A. Hex
- B. Octal
- C. Binary
- D. CIDR

Answer: A

NEW QUESTION 282

- (Exam Topic 1)

AChief Information Officer (CIO) wants to move some IT services to a cloud service offering. However, the network administrator still wants to be able to control some parts of the cloud service's networking components. Which of the following should be leveraged to complete this task?

- A. IaaS
- B. PaaS
- C. SaaS
- D. DaaS

Answer: B

NEW QUESTION 286

- (Exam Topic 1)

A user reports difficulties connecting a PC to a wired network. The PC connects to an IP phone, which is working correctly. A network technician can verify that other devices successfully connect to the phone. At which of the following layers of the OSI model is the problem MOST likely located?

- A. Network
- B. Physical
- C. Transport
- D. Application

Answer: A

NEW QUESTION 288

- (Exam Topic 1)

Which of the following WAN technologies provides a guaranteed throughput rate?

- A. DSL
- B. T-1
- C. Cable broadband
- D. Dial-up

Answer: B

NEW QUESTION 290

- (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 294

- (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 296

- (Exam Topic 1)

A technician replaces a failed router with a spare that has been in inventory for some time. After attempting to enable HTTPS on the spare router, the technician discovers the feature is unavailable. The support office was able to connect to the previous router. Which of the following actions should the technician perform to enable HTTPS access for the support team?

- A. Reboot the router
- B. Enable HTTP on the router
- C. Update the firmware of the spare router
- D. Perform a factory reset on the router

Answer: C

NEW QUESTION 300

- (Exam Topic 1)

Client PCs are unable to receive addressing information from a newly configured interface on a router. Which of the following should be added to allow the clients to connect?

- A. DHCP lease me
- B. IP helper
- C. TTL
- D. DNS record type

Answer: B

NEW QUESTION 303

- (Exam Topic 1)

A technician logs onto a system using Telnet because SSH is unavailable. SSH is enabled on the target device, and access is allowed from all subnets. The technician discovers a critical step was missed. Which of the following would allow SSH to function properly?

- A. Perform file hashing
- B. Generate new keys
- C. Update firmware
- D. Change default credentials

Answer: B

NEW QUESTION 306

- (Exam Topic 1)

A network technician has created a network that consists of a router, a firewall, a switch, and several PCs. Which of the following physical network topologies was created?

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

Answer: D

NEW QUESTION 310

- (Exam Topic 1)

A network technician is considering opening ports on the firewall for an upcoming VoIP PBX implementation. Which of the following protocols is the technician MOST likely to consider? (Choose three.)

- A. SIP
- B. NTP
- C. H.323
- D. SMB
- E. ICMP
- F. RTP
- G. IPSec
- H. RDP

Answer: ACF

NEW QUESTION 315

- (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 319

- (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 323

- (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 326

- (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 329

- (Exam Topic 1)

Users in a school lab are reporting slow connections to the servers and the Internet. Other users in the school have no issues. The lab has 25 computers and is connected with a single 1Gb Ethernet connection on Cat 5e wiring to an unmanaged switch. There are also three spare Cat 5e cable runs, which are not in use. The school wants to double the connection speed between the lab and the servers without running new cables. Which of the following would be the BEST

solution?

- A. Plug in a second spare cable at each end to double the speed.
- B. Replace the switches with ones that utilize port bonding and use the spare cables.
- C. Replace the switches with 10Gb switches and utilize the existing cabling.
- D. Plug in a second cable and set one port to TX and one port to RX.

Answer: B

NEW QUESTION 330

- (Exam Topic 1)

Which of the following WAN technologies is MOST preferred when developing a VoIP system with 23 concurrent channels?

- A. DSL
- B. POTS
- C. T1
- D. DOCSIS

Answer: C

NEW QUESTION 333

- (Exam Topic 1)

A network technician has implemented ACLs to limit access to cloud-based file storage. Which of the following security mechanisms has the technician enforced?

- A. DLP
- B. IDS
- C. WAF
- D. WPA
- E. TPM

Answer: C

NEW QUESTION 334

- (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 337

- (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 342

- (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 344

- (Exam Topic 1)

A network engineer wants to segment the network into multiple broadcast domains. Which of the following devices would allow for communication between the segments?

- A. Layer 2 switch
- B. Layer 3 switch
- C. Bridge
- D. Load balancer

Answer: B

NEW QUESTION 347

- (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 350

- (Exam Topic 1)

An administrator is moving to a new office. There will be several network runs through the ceiling area of the office. Which of the following is the BEST to utilize in these areas?

- A. Single-mode fiber-optic cabling
- B. Cat 5e-rated cabling
- C. Cat 6-rated cabling
- D. Plenum-rated cabling

Answer: D

NEW QUESTION 352

- (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 356

- (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.

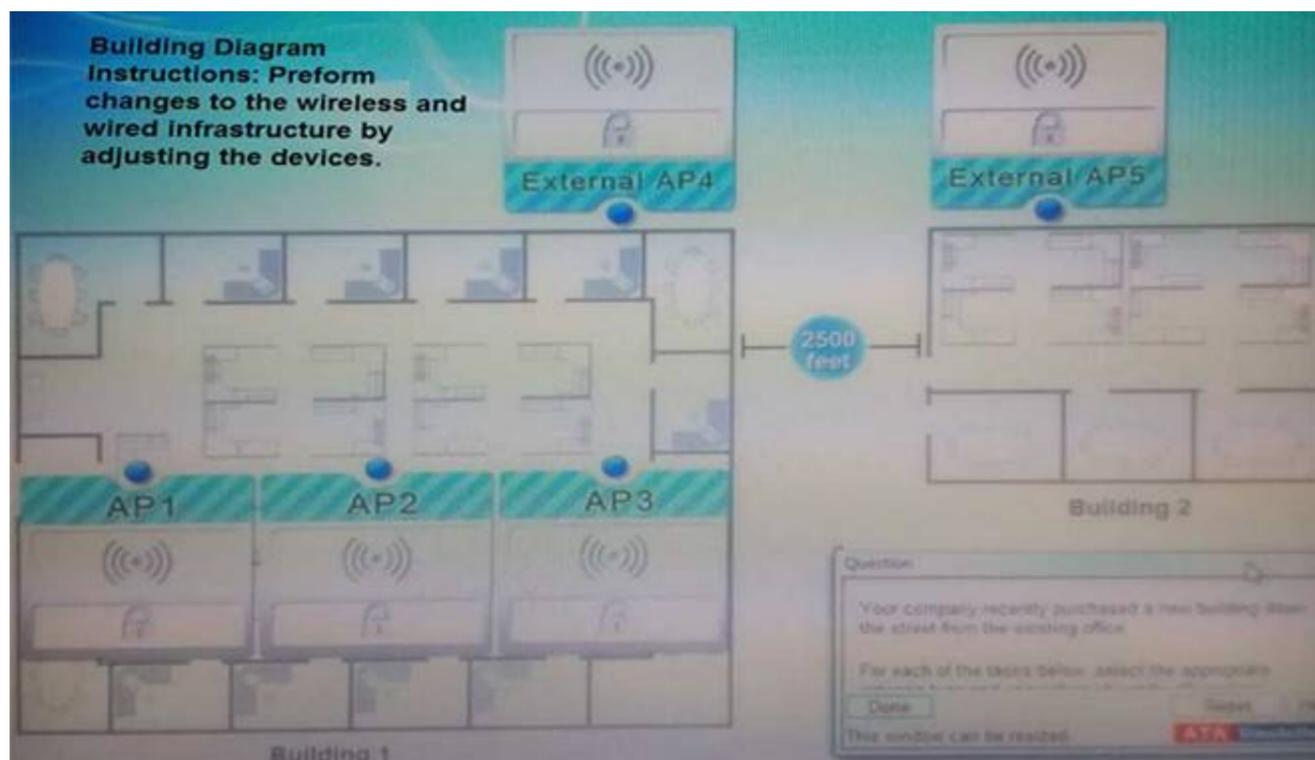
Answer: CD

NEW QUESTION 360

- (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.



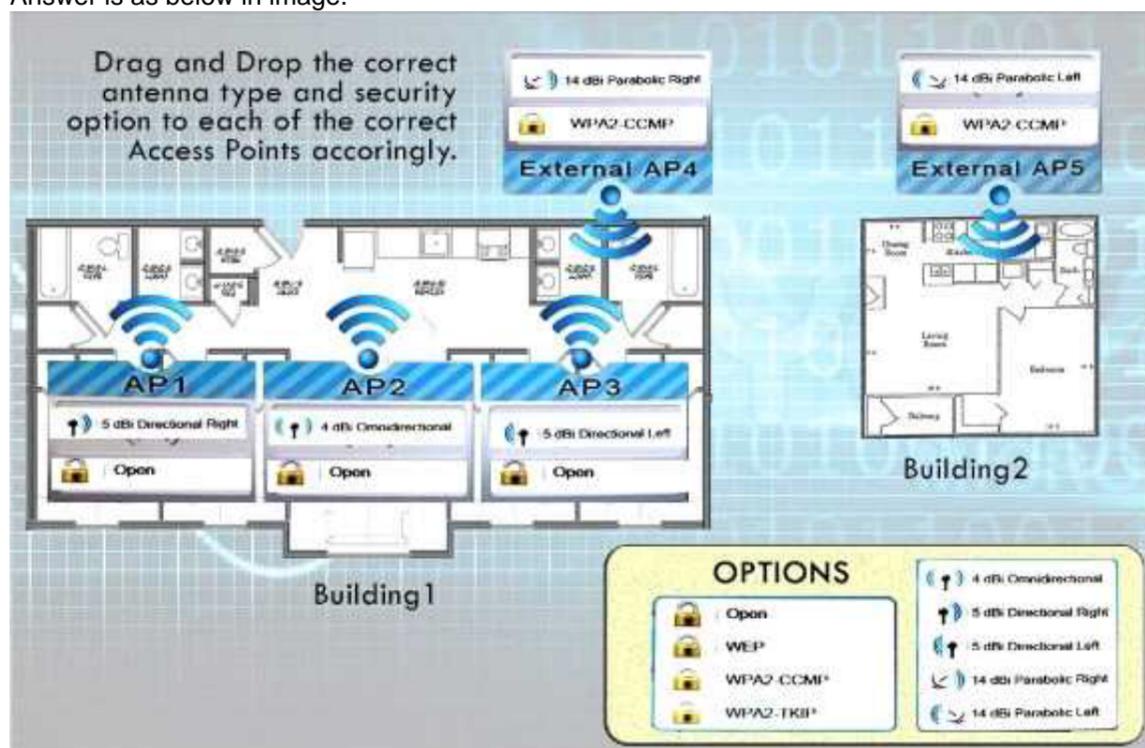
Instructions: When you have completed the simulation, select the Done button to submit.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer is as below in image.



NEW QUESTION 363

- (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 365

- (Exam Topic 1)

A web application is unable to authenticate customers so they can access their bills. The server administrator has tested the LDAP query but is not receiving results. Which of the following is the NEXT step the server administrator should take to correct the problem?

- A. Check port 636 to see if it being blocked.
- B. Change service port 636 to port 389.
- C. Restart the web server.
- D. Verify the browser is using port 443.

Answer: A

NEW QUESTION 370

- (Exam Topic 1)

A network technician receives a spool of Cat 6a cable and is asked to build several cables for a new set of Ethernet runs between devices. Which of the following tools are MOST likely needed to complete the task? (Choose three.)

- A. Wire stripper
- B. Cable crimper
- C. RJ-11 connectors
- D. RJ-45 connectors
- E. Multimeter
- F. Punchdown tool
- G. Tone generator

Answer: ABD

NEW QUESTION 375

- (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 376

- (Exam Topic 2)

Which of the following uses port 53 by default?

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

Answer: D

NEW QUESTION 381

- (Exam Topic 2)

The software that allows a machine to run multiple operating systems at once is called the:

- A. Server manager
- B. Hypervisor
- C. Boot loader
- D. Partition manager

Answer: B

NEW QUESTION 384

- (Exam Topic 2)

Which of the following ports is the default telnet port?

- A. 20
- B. 21
- C. 22
- D. 23

Answer: D

NEW QUESTION 389

- (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 390

- (Exam Topic 2)

Jeff, an administrator, has just finished installing a new switch and connected two servers with IPs of 192.168.105.20 and .30. The servers are able to communicate with each other, but are unable to reach the Internet. Jeff sees the following information in the switch configuration:

```
interface VLAN 105
IP address 192.168.105.5 255.255.255.0
```

Jeff is able to ping the router at 192.168.105.1 from the switch. Which of the following is the MOST likely cause of the problem?

- A. The subnet mask is incorrect.
- B. A routing loop has occurred.
- C. Jeff used a crossover cable to connect the switch to the gateway.
- D. The server is missing default-gateway information.

Answer: D

NEW QUESTION 394

- (Exam Topic 2)

Which of the following mediums is circuit switched?

- A. PSTN
- B. ATM
- C. Frame relay
- D. MPLS

Answer: A

NEW QUESTION 397

- (Exam Topic 2)

Which of the following is true about tunneling and encryption?

- A. SIP encrypts all data going through the tunnel.
- B. PPTP creates a secure tunnel.
- C. SSL VPN provides a secure tunnel.
- D. RAS is a secure way to create a tunnel.

Answer: C

NEW QUESTION 401

- (Exam Topic 2)

Which of the following has a maximum transfer rate of 54Mbps and operates at the 5GHz frequency?

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

Answer: A

NEW QUESTION 405

- (Exam Topic 2)

Which of the following default ports would need to be open on a firewall to allow remote desktop access?

- A. 143
- B. 443
- C. 3389
- D. 8080

Answer: C

NEW QUESTION 406

- (Exam Topic 2)

Which of the following is a secure way to connect to a device?

- A. RSH
- B. TFTP
- C. SNMPv2
- D. SFTP

Answer: D

NEW QUESTION 411

- (Exam Topic 2)

A company has just installed wireless in their office. In one corner of the office building users are not able to establish a connection. Which of the following can be changed on the AP to help resolve this issue?

- A. SSID
- B. Channels
- C. Signal strength
- D. Encryption

Answer: C

NEW QUESTION 414

- (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 418

- (Exam Topic 2)

Which of the following devices should be installed on a network to monitor the presence of and actively defend against attacks?

- A. An IPS
- B. A protocol analyzer
- C. A traffic shaper
- D. An IDS

Answer: A

NEW QUESTION 423

- (Exam Topic 2)

Which of the following cables has the MOST twists per inch?

- A. CAT3
- B. CAT5
- C. CAY5e
- D. CAT6

Answer: D

NEW QUESTION 426

- (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 428

- (Exam Topic 2)

Which of the following is a proprietary routing protocol?

- A. RIP
- B. EIGRP
- C. OSPF
- D. BGP

Answer: B

NEW QUESTION 431

- (Exam Topic 2)

Which of the following operates at OSI layer 2 to forward traffic based on the MAC address?

- A. Switch
- B. Proxy Server
- C. Router
- D. VPN Concentrator

Answer: A

NEW QUESTION 433

- (Exam Topic 2)

Which of the following protocols would Kurt, a technician, use to synchronize local date and time of a client workstation to that of a server?

- A. RTP
- B. NTP
- C. TFTP
- D. ARP

Answer: B

NEW QUESTION 434

- (Exam Topic 2)

Which of the following protocols are used to connect devices in a secure manner? (Select TWO).

- A. TELNET
- B. SSH
- C. RDP
- D. HTTP
- E. DNS
- F. FTP

Answer: BC

NEW QUESTION 438

- (Exam Topic 2)

Matt, an administrator, notices a flood fragmented packet and retransmits from an email server. After disabling the TCP offload setting on the NIC, Matt sees normal traffic with packets flowing in sequence again. Which of the following utilities was he MOST likely using to view this issue?

- A. Spam filter
- B. Protocol analyzer
- C. Web application firewall
- D. Load balancer

Answer: B

NEW QUESTION 442

- (Exam Topic 2)

An organization recently installed a firewall on the network. Employees must have access to their work computer from their home computer. In which of the following ways should the firewall be configured?

- A. Allow TCP port 3389 outbound
- B. Allow UDP port 3389 inbound
- C. Allow UDP port 3389 outbound
- D. Allow TCP port 3389 inbound

Answer: D

NEW QUESTION 444

- (Exam Topic 2)

Which of the following will allow multiple frequencies to be combined?

- A. WiMAX
- B. MPLS
- C. MIMO
- D. Channel bonding

Answer: D

NEW QUESTION 449

- (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 451

- (Exam Topic 2)

Which of the following wireless standards is capable of ONLY operating on 5.8GHz?

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

Answer: A

NEW QUESTION 456

- (Exam Topic 2)

Kim, a network technician, is installing an 802.11n network. Which of the following should Kim enable to ensure that the network only allows 802.11n clients?

- A. Name the SSID on the 802.11n network only
- B. Limit the DHCP address pool
- C. Disable 802.11b and 802.11g
- D. Only use WPA encryption

Answer: C

NEW QUESTION 459

- (Exam Topic 2)

Which of the following is the MOST economical way for Sandy, a technician, to implement 10- Gigabit Ethernet at a datacenter?

- A. 10GBaseLR
- B. 10GBaseSR
- C. 10GBaseX
- D. 10GBaseT

Answer: D

NEW QUESTION 460

- (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 465

- (Exam Topic 2)

Which of the following access controls enforces permissions based on data labeling at specific levels?

- A. Mandatory access control
- B. Separation of duties access control
- C. Discretionary access control
- D. Role based access control

Answer: A

NEW QUESTION 466

- (Exam Topic 2)

Kim, a user, took a laptop on vacation and made changes to the configuration in order to use the device at the hotel. She can reach the Internet, but cannot access any internal network resources.

Which of the following is the MOST likely reason?

- A. Incorrect DNS
- B. Incorrect subnet mask
- C. Duplicate IP address
- D. Incorrect SSID

Answer: A

NEW QUESTION 467

- (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 472

- (Exam Topic 2)

An administrator is receiving reports from an executive that the executive's wireless access point loses the signal frequently, even though the WAP is on the executive's desk. The office contains four other 802.11n access points. Which of the following would MOST likely correct interference problems in the executive's office?

- A. Turn off SSID broadcasting for the executive's access point
- B. Replace the 802.11n access point in the office with an 802.11a access point.
- C. Change the channel on the access point to channel 11.
- D. Turn off as many lights in the executive's office as possible to reduce interference.

Answer: C

NEW QUESTION 474

- (Exam Topic 2)

Which of the following is the BEST way to mitigate security threats on a network?

- A. Social engineering
- B. User training
- C. Incident response
- D. Man-in-the-middle

Answer: B

NEW QUESTION 476

- (Exam Topic 2)

Which of the following is used to provide hot standby capabilities using paired routers?

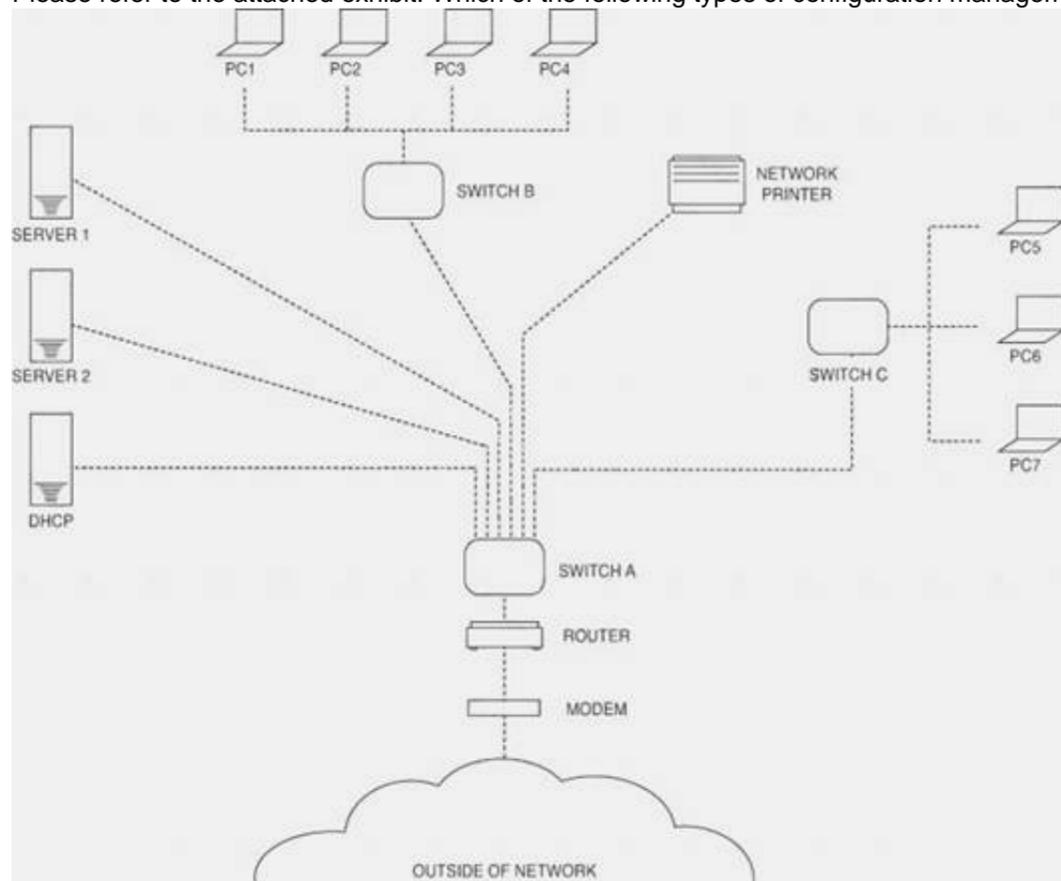
- A. CARP
- B. L2TP
- C. PPTP
- D. ISAKMP

Answer: A

NEW QUESTION 479

- (Exam Topic 2)

Please refer to the attached exhibit. Which of the following types of configuration management documentation is represented?



- A. Network security policy
- B. Network baseline
- C. Logical network diagram
- D. Wiring schematic

Answer: C

NEW QUESTION 482

- (Exam Topic 2)

Which of the following standards can operate at both the 2.4GHz and 5GHz frequencies?

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

Answer: D

NEW QUESTION 483

- (Exam Topic 2)

Which of the following devices exist as either hardware or software to assist in routing traffic? (Select TWO).

- A. Cable modem
- B. Layer 2 switch
- C. Router

- D. NIDS
- E. Layer 3 switch

Answer: CE

NEW QUESTION 485

- (Exam Topic 2)

Which of the following ports would Zach, a technician, need to open on a firewall to allow SSH on the default port?

- A. 20
- B. 21
- C. 22
- D. 23

Answer: C

NEW QUESTION 489

- (Exam Topic 2)

A firewall that operates at Layer 7 of the OSI model is known as a(n):

- A. Circuit gateway
- B. Packet filter
- C. Application level
- D. Redundant firewall

Answer: C

NEW QUESTION 490

- (Exam Topic 2)

A technician, Joe, visits a site that has reported a network down emergency. He immediately reboots the switches and the router since the network is down. Which of the following network troubleshooting methodology steps should Joe have performed FIRST?

- A. Determine if anything has changed
- B. Once a theory is confirmed determine the next step is to resolve the problem
- C. Implement the solution or escalate as necessary
- D. Question the obvious

Answer: A

NEW QUESTION 492

- (Exam Topic 2)

Which of the following is true about an IP address if the first bit is a one and the second bit is a zero?

- A. The address is a Class A address.
- B. The address is a Class B address.
- C. The address is a Class C address.
- D. The address is a Class D address.

Answer: B

NEW QUESTION 494

- (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 497

- (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 501

- (Exam Topic 2)

Which of the following could be used to stop unknown threats?

- A. DMZ
- B. Signature based IPS
- C. Behavior based IPS
- D. Honey pots

Answer: C

NEW QUESTION 506

- (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 507

- (Exam Topic 2)

Which of the following protocols uses port 3389?

- A. IMAP
- B. DHCP
- C. SSH
- D. RDP

Answer: D

NEW QUESTION 511

- (Exam Topic 2)

Which of the following commands will display the associated IP address of a network adapter in Windows and Linux environments? (Select TWO).

- A. dig
- B. nslookup
- C. nbstat
- D. ifconfig
- E. ipconfig

Answer: DE

NEW QUESTION 513

- (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 515

- (Exam Topic 3)

Which of the following BEST describes the difference between layer 2 switching and layer 2 routing?

- A. Switching moves packets between hosts on different subnets, and routing moves packets between hosts on the same subnet.
- B. Routing moves packets between hosts on different subnets, and switching moves packets between hosts on the same subnet.
- C. Both routing and switching move packets between hosts on the same subnet, but routing does so at a faster pace.
- D. Both routing and switching move packets between hosts on different subnets, but switching does so at a faster pace.

Answer: B

NEW QUESTION 519

- (Exam Topic 3)

Which of the following protocols is used to securely connect to a multi-layer switch?

- A. HTTP
- B. SMTP
- C. SSH
- D. Telnet

Answer: C

NEW QUESTION 521

- (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 523

- (Exam Topic 3)

A network administrator notices that all of the company switches are running at capacity on a given day, which is abnormal according to network baselines taken recently. Which tool would BEST allow the administrator to inspect what type of traffic is on the network?

- A. Wire tap
- B. Network sniffer
- C. Load balancing appliance
- D. NIPS

Answer: B

NEW QUESTION 527

- (Exam Topic 3)

A company only wants preapproved laptops to be able to connect to a wireless access point. Which of the following should be configured?

- A. SSID disable
- B. ACL rules
- C. WPA encryption
- D. MAC filtering

Answer: D

NEW QUESTION 531

- (Exam Topic 3)

Zach, a technician, discovers a switch is not communicating with the other switches in a stack. Which of the following is the MOST likely cause?

- A. Both T568A and T568B standards are being used.
- B. STP is disabled.
- C. The cable is not a crossover.
- D. The port is not trunked.

Answer: C

NEW QUESTION 535

- (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 536

- (Exam Topic 3)

An administrator hosts all of the company's virtual servers internally. In the event of total server failure, the server images can be restored on a cloud provider and accessed through the VPN.

Which of the following cloud services is the administrator using?

- A. Community PaaS
- B. Public IaaS
- C. Hybrid SaaS
- D. Private IaaS

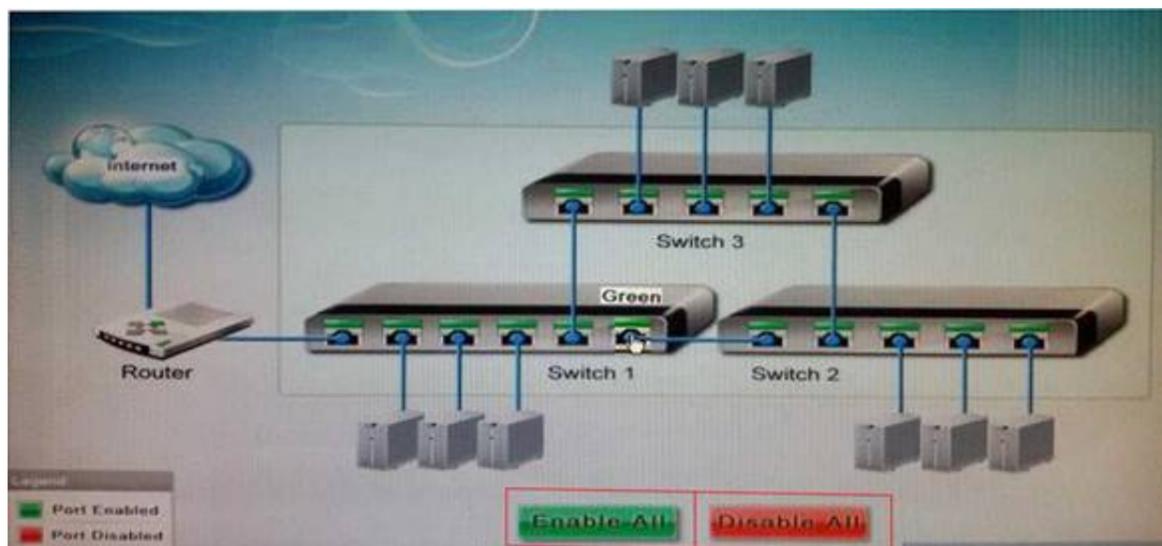
Answer: B

NEW QUESTION 541

- (Exam Topic 3)

Workstations are unable to access the Internet after a recent power outage. Configure the appropriate devices to ensure ALL workstations have Internet connectivity.

Instructions: All ports can be enabled (green) or disabled (red). When you have completed the simulation please select the Done button.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

All ports should be enabled.

NEW QUESTION 544

- (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 549

- (Exam Topic 3)

Jeff, a network technician, is installing a wireless router. Which of the following should Jeff consider to get the BEST signal strength?

- A. WAP placement
- B. PoE devices
- C. MAC filtering
- D. Encryption type

Answer: A

NEW QUESTION 551

- (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 555

- (Exam Topic 3)

Which of the following is an example of two factor authentication?

- A. Password, device certificate and PIN
- B. SSL web server certificate and password
- C. User password and administrator password
- D. Password and hardware token OTP

Answer: D

NEW QUESTION 559

- (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 561

- (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 566

- (Exam Topic 3)

Which of the following is the correct representation of an IPv6 address?

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

Answer: A

NEW QUESTION 568

- (Exam Topic 3)

Which of the following 802.11n features allows for the use of multiple simultaneous frequencies in order to increase usable bandwidth?

- A. Channel bonding
- B. MIMO
- C. Spatial reuse
- D. 20MHz channel spacing

Answer: A

NEW QUESTION 572

- (Exam Topic 3)

A user is unable to connect to a server in another building. A technician is troubleshooting the issue and determines the following:

- 1) Client PC 1 has an IP address of 192.168.10.25/25
- 2) PC 1 can successfully ping its gateway of 192.168.10.1/25 which is an interface of router A
- 3) Server A is named 'BLDGBFILESVR01' and has an IP address of 192.168.10.145/25
- 4) PC 2 with an IP address of 192.168.10.200/25 can successfully ping server A

However, when PC 1 pings server A, it receives a destination host unreachable response. Which of the following is the MOST likely cause?

- A. Link from router A to PC 1 are on different subnets
- B. Link from router A to server A is down
- C. Link from PC 1 to router A has duplex issues
- D. Link from server A to PC 2 is down

Answer: A

NEW QUESTION 574

- (Exam Topic 3)

An administrator is setting up a secure wireless network. The administrator decides to support 802.11n and 802.11g with a WPA2 pre-shared key. Users are given the SSID with the pre-shared key, but the administrator has disabled the SSID broadcast and MAC filtering. Some users have reported connection issues. Which of the following would MOST likely resolve the users' connection issues?

- A. Limit the devices to 802.11n only.
- B. Enable the SSID broadcast.
- C. Enable MAC filtering.
- D. Use a WEP 128-bit key.

Answer: B

NEW QUESTION 578

- (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 583

- (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 588

- (Exam Topic 3)

A technician notices that network access is becoming increasingly slow. All of the activity lights, on the only network layer 2 switch, are blinking at steadily increasing rates. Which of the following is the MOST likely cause of the increased traffic?

- A. STP blocking
- B. IP addresses
- C. MTU mismatch
- D. Switching loop

Answer: D

NEW QUESTION 592

- (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 595

- (Exam Topic 3)

169.254.1.100 is an IP address which would MOST likely come from which of the following?

- A. CIDR
- B. DHCP
- C. APIPA
- D. DNS

Answer: C

NEW QUESTION 599

- (Exam Topic 3)

A SOHO with ten Wi-Fi equipped laptops needs a new network installed. Which of the following items would be used to setup the office using a new DSL line? (Select TWO).

- A. Router
- B. Wi-Fi Access point
- C. Cable modem
- D. Ten WiMAX adapters
- E. Ten CAT6 patch cables

Answer: AB

NEW QUESTION 600

- (Exam Topic 3)

Which of the following protocols are used for accessing a command line terminal session for management purposes? (Select TWO).

- A. Telnet
- B. FTP
- C. SNMP
- D. SSH
- E. RDP

Answer: AD

NEW QUESTION 602

- (Exam Topic 3)

A user is getting very weak signals while trying to connect to the wireless. Which of the following should the user do to help with signal strength?

- A. Call the wireless provider and ask for a T3 circuit.
- B. Move the wireless router to a better location where line of sight is obtained.
- C. Reinstall the operating system to the PC to ensure the newest patches are installed.
- D. Install a hub to ensure there is a clear path for the cables to run.

Answer: B

NEW QUESTION 603

- (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 605

- (Exam Topic 3)

A SOHO office recently installed a wireless network for employees to use during lunch breaks. As such, the access point was placed in the kitchen area by the microwave. Employees have been reporting intermittent connectivity when using the wireless network. Which of the following would BEST improve connectivity?

- A. Disable SSID broadcast
- B. Increase the signal strength
- C. Move the access point
- D. Change the broadcast channel

Answer: C

NEW QUESTION 609

- (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 610

- (Exam Topic 3)

Which of the following is networking stand-alone hardware that will permit any WiFi-compliant device to connect to a network?

- A. Wireless hub
- B. Wireless firewall
- C. Wireless access point
- D. Wireless bridge

Answer: C

NEW QUESTION 615

- (Exam Topic 3)

A network technician wants to baseline traffic flows on a specific network. Which of the following will provide the GREATEST level of detail?

- A. Network flow information
- B. SNMP traps
- C. Debug level syslog
- D. Protocol analyzer

Answer: D

NEW QUESTION 620

- (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.

Cable Crimp

Instructions: You have determined that the original crimp is faulty using the T568B cabling standard. Drag the appropriate tool to the RJ-45 Connector. When you are finished, click the Done button.

Question:

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.

Done Reset Help

This window can be resized. ATA Simulation

RJ-45 Connector

1 2 3 4 5 6 7 8

Reset Cable

Cable Test

Step 1: Select the tool that was used to create the cable test results.

Cable Test Result		
1, 2	Open	7ft
3, 6	Short	7ft
4, 5	Open	7ft
7, 8	Open	7ft

Tool Choices

- Crimper
- Cable Certifier
- Multimeter
- Punch Down Tool
- Protocol Analyzer
- OTDR
- Toner Probe

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A Cable 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 624

- (Exam Topic 3)

company wants the public to be able to connect to the wireless network with minimal security, but not be able to connect to the private internal network. Which of the following firewall rules would BEST accomplish this?

- A. Content filtering on the wireless access point
- B. Allow traffic from the wireless access point
- C. Block traffic from the wireless access point
- D. Packet filtering on the wireless access point

Answer: C

NEW QUESTION 627

- (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 631

- (Exam Topic 3)

Lisa, a user, reports increased delays and timeouts when trying to reach several Internet sites. Which of the following would MOST likely be used when investigating the problem at Lisa's workstation?

- A. nslookup
- B. route
- C. nbtstat
- D. arp

Answer: A

NEW QUESTION 634

- (Exam Topic 3)

A network technician needs to install an additional access point to the company's wireless network. The network has two 802.11b access points. Which of the following channels should be used to allow the access point's coverage areas to overlap?

- A. 1, 6, 11
- B. 2, 5, 10
- C. 3, 13, 23
- D. 4, 8, 16

Answer: A

NEW QUESTION 635

- (Exam Topic 3)

The network optimization process used to allow reasonable use of data, voice, and video on the same network infrastructure is called:

- A. CARP
- B. QoS
- C. Traffic shaping.
- D. Fault tolerance.

Answer: B

NEW QUESTION 637

- (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 638

- (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 641

- (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 642

- (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 protect 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 645

- (Exam Topic 3)

There is suspected virus activity on the network. Which of the following would Lisa, a technician, use to study network traffic?

- A. Protocol analyzer
- B. Cable tester
- C. Cable certifier
- D. Environmental monitor

Answer: A

NEW QUESTION 650

- (Exam Topic 3)

A user wants a SOHO network to be protected from unauthorized users hacking their network. Which of the following should be implemented to aid in this matter?

- A. VPN
- B. Throughput tester
- C. Firewall
- D. OC3

Answer: C

NEW QUESTION 651

- (Exam Topic 3)

A network technician receives a call from a branch office about a problem with its wireless connectivity. The user states the office hosting a large meeting that includes some online training with local businesses. The guest users have all brought devices to connect to the guest network at the branch office. All users are connected to a single WAP and are reporting that connections dropping and network speeds are unusable. Which of the following is the MOST likely cause of this issue?

- A. DHCP exhaustion
- B. Channel overlapping
- C. Interference
- D. Overcapacity

Answer: C

NEW QUESTION 652

- (Exam Topic 3)

Lisa, a technician, is tasked to monitor various analog POTS lines for voice activity. Which of the following hardware tools would be used?

- A. Butt set
- B. Toner probe
- C. Wire mapper
- D. Cable certifier

Answer: A

NEW QUESTION 653

- (Exam Topic 3)

Which of the following needs to be configured on a switch to use a packet sniffer?

- A. Port trunking
- B. Port mirroring
- C. Tagged VLAN
- D. Untagged VLAN

Answer: B

NEW QUESTION 658

- (Exam Topic 3)

A network administrator has created a virtual machine in the cloud. The technician would like to connect to the server remotely using RDP. Which of the following default ports needs to be opened?

- A. 445
- B. 3389
- C. 5004
- D. 5060

Answer: B

NEW QUESTION 663

- (Exam Topic 3)

Which of the following is used to create a secure connection between a client and a host?

- A. VLAN
- B. Proxy server
- C. IIS server
- D. VPN

Answer: D

NEW QUESTION 665

- (Exam Topic 3)

At which of the following layers of the OSI model do packets exist?

- A. Network
- B. Session
- C. Data link
- D. Transport

Answer: A

NEW QUESTION 668

- (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 671

- (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 672

- (Exam Topic 3)

The software in a virtualized environment that controls resource allocation and allows multiple operating system guests to run on the same physical platform is known as the:

- A. hypervisor.
- B. LPAR.
- C. broker.
- D. VDI.

Answer: A

NEW QUESTION 675

- (Exam Topic 3)

Which of the following occurs when antenna gain is increased on an access point?

- A. Connection speeds decrease

- B. Throughput decreases
- C. Cell size increases
- D. Attenuation increases

Answer: C

NEW QUESTION 676

- (Exam Topic 3)

Jeff, a technician, is charged with setting up network monitoring for critical devices in the network. It is important the information be sent securely to the monitoring station. Which of the following protocols will support secure transmission of the data?

- A. SNMP v2
- B. VPN
- C. SYSLOG
- D. SMTP

Answer: A

NEW QUESTION 680

- (Exam Topic 3)

A junior technician is settings up a voice control device so the Chief Executive Officer (CEO) will able to control various things in the office. Of which of the following types of the IoT technologies is this an example?

- A. LAN
- B. WAN
- C. SAN
- D. PAN

Answer: B

NEW QUESTION 685

- (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 688

- (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 692

- (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 693

- (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 698

- (Exam Topic 3)

ADSL modem connects to the provider's network using which of the following authentication techniques?

- A. PoE
- B. MS-CHAP
- C. PPPoE
- D. EAP

Answer: C

NEW QUESTION 699

- (Exam Topic 3)

A network technician at a small office upgrades the VLAN switch. After the upgrade, a user reports being unable to access network resources. When the technician checks the switchport, the LED light is not lit. Which of the following should technician check FIRST?

- A. The device is using the correct cable type.
- B. The switchport is functioning properly.
- C. The device is connected to the switch.
- D. The switch is connected to the router.

Answer: C

NEW QUESTION 702

- (Exam Topic 3)

Which of the following devices is used to distribute network traffic equally over multiple links?

- A. Content filter
- B. DNS server
- C. Load balancer
- D. Proxy server

Answer: C

NEW QUESTION 703

- (Exam Topic 3)

A technician is surveying college's network equipment room and connectivity. Which of the following types of documentation does the technician need perform a detailed site survey? (Select THREE).

- A. IDF/MDF documentation
- B. Cable run label documentation
- C. network configuration documentation
- D. Performance baseline documentation
- E. Standard operating procedure documentation
- F. Change management documentation
- G. Rack diagram documentation

Answer: ACG

NEW QUESTION 704

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