

CompTIA

Exam Questions N10-007

CompTIA Network+ N10-007



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)

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 3

- (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 4

- (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 5

- (Exam Topic 1)

A Chief Information Officer (CIO) is concentrated about an attacker gaining administrative access to the company's network devices. Which of the following is the MOST secure way to prevent this?

- A. ACL allowing only HTTP
- B. ACL allowing only Telnet
- C. Out-of-band modem
- D. Out-of-band console router

Answer: D

NEW QUESTION 6

- (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 7

- (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 8

- (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 9

- (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 10

- (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 10

- (Exam Topic 1)

A technician is investigating the cause of a network outage. Which of the following documents should be checked to rule out configuration issues?

- A. Change management records
- B. Inventory management
- C. Network log files
- D. Logical diagrams

Answer: A

NEW QUESTION 13

- (Exam Topic 1)

A network technician has to integrate three legacy industrial devices into the existing wireless network. The devices only support 802.11b and TKIP. Which of the following should the technician do to connect these devices to the wireless network with the restrictive settings while not affecting the performance of the other users? (Select Two).

- A. Create a second SSID that uses WPA personal.
- B. Change the encryption to WPA@ personal.
- C. Enable MAC filtering.
- D. Change the encryption to WPA2 Enterprise.

Answer: D

NEW QUESTION 15

- (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 16

- (Exam Topic 1)

A technician needs to upgrade a SOHO wireless router's firmware. The technician resets the router to factory settings and installs the new firmware. The technician enters the DHCP information and sets the SSID. Which of the following configurations would provide the MOST protection from advance hackers?

- A. Disable the broadcasting of the SSID.
- B. Enable WPA2 authentication for all hosts.
- C. Use private addressing for the DHCP scope.
- D. Install unidirectional antennas.

Answer: B

NEW QUESTION 17

- (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 19

- (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 22

- (Exam Topic 1)

A company dedicates deploy customer –facing, touch-screen kiosks. The kiosks appear to have several open service ports that potentially became compromised. Which of the following is the MOST effective way to protect the kiosk?

- A. Install an IDS to monitor all traffic to and from the kiosk.
- B. install honeypots on the network to detect and analyze potential kiosks 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 segment with ACLs, limiting kiosks traffic with the internal network

Answer: A

NEW QUESTION 25

- (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 28

- (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 31

- (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 32

- (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 37

- (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 technicians. 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 42

- (Exam Topic 1)

A technician set up a new SOHO network recently. The installed router has four Ethernet ports; however the customer has seven devices that need wired connections. Which of the following should the technician do to BEST meet the customer's requirements?

- A. Install a six-port switch
- B. Configure port forwarding on the router
- C. Install WAPs near the devices.
- D. Configure the switchports as EtherChannel ports.

Answer: A

NEW QUESTION 43

- (Exam Topic 1)

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

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

Answer: D

NEW QUESTION 46

- (Exam Topic 1)

A company has hundreds of nodes on a single subnet and has decided to implement VLANs. Which of the following BEST describes the benefit of this approach?

- A. It segments broadcast domains in the network infrastructure
- B. It provides a faster path to all servers
- C. It provides multiple collision domains on one switchport
- D. It provides multiple broadcast domains within a single collision domain

Answer: A

NEW QUESTION 50

- (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 54

- (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 58

- (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 59

- (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 63

- (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 67

- (Exam Topic 1)

A network technician is working on a proposal for email migration from an on-premises email system to a vendor-hosted email in the cloud. The technician needs to explain to management what type of cloud model will be utilized with the cloud-hosted email. Which of the following cloud models should the technician identify in the proposal?

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

Answer: C

NEW QUESTION 69

- (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 70

- (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 75

- (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 interference, 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 80

- (Exam Topic 1)

Which of the following can be done to implement network device hardening (Select TWO).

- A. Implement spanning tree
- B. Perform VLAN hopping
- C. Patch and update
- D. Perform backups
- E. Enable port mirroring
- F. Change default admin password

Answer: CF

Explanation:

Network devices come with default credentials, the username and password that enables you to log into the device for configuration. Changing default credentials should be the first step in hardening a new device. As with any other system, avoiding common passwords adds security.

Keep network devices up to date. That means upgrading firmware, patching and updating as necessary to close any security gaps exposed over time.

Services on network devices like routers include common things, like Telnet and HTTP access; and also things you don't normally see, like TCP and UDP small services, debugging and testing tools that primarily use ports 20 and lower. If enabled, these services can be used to launch DoS and other attacks. All modern Cisco devices have these disabled; Cisco's hardening rules insist on disabling unnecessary services.

Using secure protocols hardens network devices. Don't use Telnet to access a managed switch or router, for example, but use SSH so that the communication is encrypted.

Disabling unused ports on network devices enhances port security for access control. This includes standard IP ports and device ports, both physical and virtual for the latter.

NEW QUESTION 81

- (Exam Topic 1)

When enabling jumbo frames on a network device, which of the following parameters is being adjusted?

- A. Speed
- B. Duplex
- C. MTU
- D. TTL

Answer: C

NEW QUESTION 84

- (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 87

- (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 90

- (Exam Topic 1)

A technician is working on a new machine that has been procured for testing and development. The machine will run a hypervisor and host several operating systems of various types so the development team can test the company's applications in a variety of environments. The technician wants the virtual machines to be available to communicate with each other without leaving the hypervisor. Which of the following is the BEST solution to the problem?

- A. The technician should connect the machine to its own separate switch.
- B. The technician should add a route in each virtual machine to the default gateway.
- C. The technician should configure a virtual switch.
- D. The technician should set up individual routes between the machines.

Answer: C

NEW QUESTION 92

- (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 94

- (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 99

- (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 102

- (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 103

- (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 105

- (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 108

- (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 110

- (Exam Topic 1)

Which of the following DNS records needs to be configured for SMTP traffic?

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

Answer: A

NEW QUESTION 114

- (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 116

- (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 120

- (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.com/types-of-network-pan-man-wlan-san-can-dan/>

NEW QUESTION 125

- (Exam Topic 1)

A network technician is able to connect the switches between to offices, but the offices cannot communicate with each other, as each office uses a different IP addressing scheme. Which of the following devices needs to be installed between the switches to allow communication?

- A. Bridge
- B. Access point
- C. Router
- D. Range extender

Answer: C

NEW QUESTION 127

- (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 129

- (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 130

- (Exam Topic 1)

Which of the following are DNS record type? (Select THREE).

- A. CNAME
- B. NTP
- C. PTR
- D. LDAP
- E. DHCP
- F. TTL
- G. SRV
- H. SSH

Answer: ACG

NEW QUESTION 134

- (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 137

- (Exam Topic 1)

Users are reporting issues with slow connection speeds and a loss of connectivity on the newly installed wireless network. The issues are intermittent but seem to occur most often around midday. Which of the following is the MOST likely cause?

- A. There is interference from small appliances
- B. The signal coverage area is too small
- C. Not enough DHCP addresses have been allotted
- D. The DNS cache on the users' computers has become corrupt

Answer: C

NEW QUESTION 141

- (Exam Topic 1)

A network technician is configuring a wireless network at a branch office. Users at this office work with large files and must be able to access their files on the server quickly. Which of the following 802.11 standards provides the MOST bandwidth?

- A. a
- B. ac
- C. g
- D. n

Answer: B

NEW QUESTION 143

- (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 147

- (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 149

- (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 150

- (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 154

- (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 158

- (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 162

- (Exam Topic 1)

A chief information Officer (CIO) tasks the network engineer with protecting the network from outside attacks. Placing which of the following devices on the network perimeter would provide the MOST security for the system?

- A. Firewall
- B. NGFW
- C. Content filter
- D. IDS/PS

Answer: B

NEW QUESTION 165

- (Exam Topic 1)

An end-user device requires a specific IP address every time it connects to the corporate network; however, corporate policy does not allow the use of static IP addresses. Which of the following will allow the request to be fulfilled without breaking the corporate policy?

- A. DHCP relay
- B. DHCP exclusion
- C. DHCP option
- D. DHCP reservation

Answer: D

NEW QUESTION 170

- (Exam Topic 1)

A company has a web-based application that is used by many different departments. The company has experienced some overload of resources on the database server. The network administrator implements a network device in between the servers and the database. Which of the following BEST describes the purpose of this device?

- A. Content filtering and network analysis
- B. Load balancing and providing high availability
- C. Port sniffing and protocol analysis
- D. Clustering and NIC teaming

Answer: B

NEW QUESTION 172

- (Exam Topic 1)

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

- A. Wireless hub
- B. Wireless firewall

- C. Wireless access point
- D. Wireless bridge

Answer: C

NEW QUESTION 176

- (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 179

- (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 180

- (Exam Topic 1)

Which of the following networking devices operates at Layer1?

- A. Router
- B. Firewall
- C. Hub
- D. Bridge

Answer: C

NEW QUESTION 182

- (Exam Topic 1)

A network technician is troubleshooting an end-user connectivity problem. The network technician goes to the appropriate IDF but is unable to identify the appropriate cable due to poor labeling. Which of the following should the network technician use to help identify the appropriate cable?

- A. Tone generator
- B. Multimeter
- C. OTDR
- D. Loopback adapter

Answer: A

NEW QUESTION 186

- (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 189

- (Exam Topic 1)

Which of the following BEST describes an exploit?

- A. A router with default credentials
- B. An open mail relay server
- C. A SNMPv1 private community
- D. A privilege escalation script

Answer: D

NEW QUESTION 192

- (Exam Topic 1)

A company is allowing its employees to use their personal computers, tablets, and IoT devices while at work. However, there are rules and guidelines to which employees must adhere. Which of the following documents applies to these employees?

- A. NDA
- B. SOP
- C. BYOD
- D. SLA

Answer: C

NEW QUESTION 196

- (Exam Topic 1)

A security guard notices an unauthorized individual, who is dressed like technician, has entered a secure area of the hospital with a large group. Which of the following security attacks is taking place?

- A. Evil twin
- B. Social engineering
- C. Insider threat
- D. Phishing

Answer: B

Explanation:

Social engineering attacks aren't considered hacking—at least in the classic sense of the word—although the goals are the same. Social engineering is where people attack an organization through the people in the organization or physically access the organization to get the information they need.

NEW QUESTION 198

- (Exam Topic 1)

A customer cannot access a company's secure website. The company's network security is reviewing the firewall for the server and finds the following output:

Time	Action	Src IP	Src Port	Dst IP	Dst Port
0902	Allow	12.73.15.5	31865	10.5.0.10	80
1005	Deny	12.73.15.5	31866	10.5.0.10	443
1006	Deny	12.73.15.5	31890	10.5.0.10	443

Which of the following changes should be made to allow all customers to access the company's secure website?

- A. Allow any any 10.5.0.10 443
- B. Allow any any 12.73.15.5 443
- C. Allow 10.5.0.10 443 any any
- D. Allow 10.5.0.10 any 10.5.0.10 80

Answer: C

NEW QUESTION 201

- (Exam Topic 1)

A user reports that a laptop cannot connect to the Internet despite the fact the wireless Internet was functioning on it yesterday. The user did not modify the laptop in any way, and the wireless Internet is functional on other users' laptops. Which of the following issues should be reviewed to help the user to connect to the wireless network?

- A. Wireless switch toggled off
- B. WAP settings
- C. WLAN IP address out of scope
- D. Wireless controller misconfiguration

Answer: A

NEW QUESTION 204

- (Exam Topic 1)

Users are reporting their network is extremely slow. The technician discovers pings to external host have excessive response times. However, internal pings to printers and other PCs have acceptable response times. Which of the following steps should the technician take NEXT?

- A. Determine if any network equipment was replaced recently
- B. Verify malware has not disabled the users' PC firewalls
- C. Replace users' network cables with known-good network cables
- D. Power cycle the web server

Answer: A

NEW QUESTION 209

- (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 212

- (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 214

- (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 219

- (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

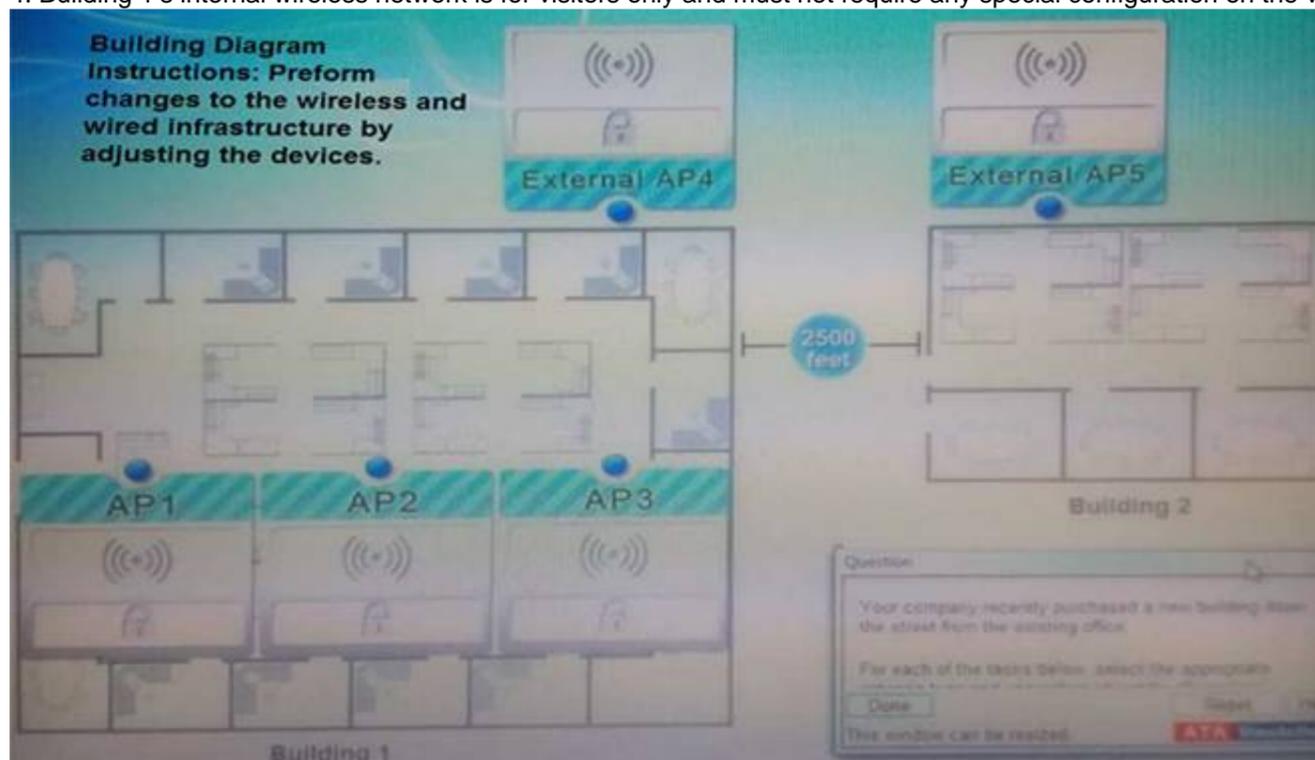
Answer: B

NEW QUESTION 221

- (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.



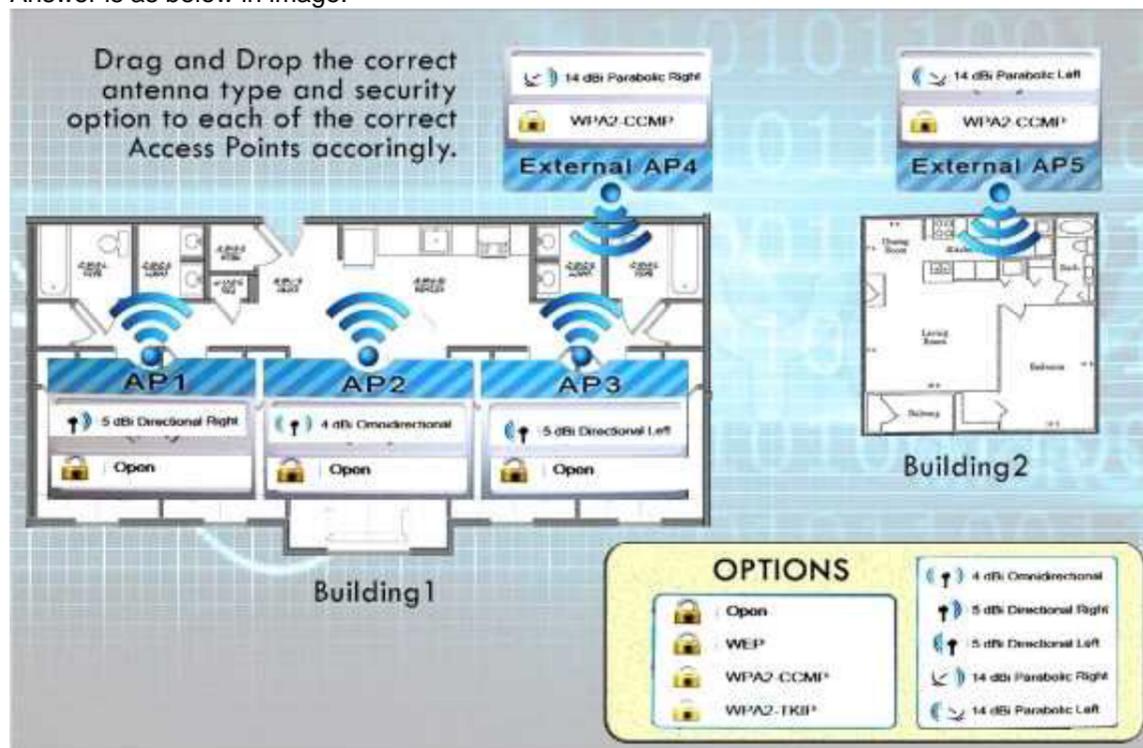
Instructions: When you have completed the simulation, select the Done button to submit.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer is as below in image.



NEW QUESTION 224

- (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 228

- (Exam Topic 1)

A technician wants to deploy a network that will require wireless client devices to prompt for a username and password before granting access to be the wireless network. Which of the following must be configured to implement this solution?

- A. EAP-PEAP
- B. CCMP-AES
- C. WPA2-PSK
- D. TKIP-RC4

Answer: A

NEW QUESTION 231

- (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 232

- (Exam Topic 2)

Which of the following connector types would Sandy, a network technician, use to connect a serial cable?

- A. RJ-11
- B. BNC
- C. LC
- D. DB-9

Answer: D

NEW QUESTION 234

- (Exam Topic 2)

Which of the following cable types have a rated MAXIMUM bandwidth of 100Mbps?

- A. CAT3
- B. CAT5

- C. CAT5e
- D. CAT6

Answer: B

NEW QUESTION 238

- (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 243

- (Exam Topic 2)

attempting to access a popular website. Which of the following will MOST likely correct the error?

- A. HTTP uses UDP
- B. DNS port 23 needs to be allowed
- C. HTTP needs port 443 allowed
- D. UDP port 53 needs to be allowed

Answer: D

NEW QUESTION 244

- (Exam Topic 2)

Use of group accounts should be minimized to ensure which of the following?

- A. Password security
- B. Regular auditing
- C. Baseline management
- D. Individual accountability

Answer: D

NEW QUESTION 249

- (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 251

- (Exam Topic 2)

Which of the following BEST describes how a layer 2 switch functions?

- A. Switches packets within the same subnet based on MAC addresses
- B. Switches packets between different subnets based on IP addresses
- C. Switches packets between different subnets based on MAC addresses
- D. Switches packets between different subnets based on MAC addresses

Answer: A

NEW QUESTION 253

- (Exam Topic 2)

Which of the following protocols is used to transmit outgoing email?

- A. RDP
- B. NTP
- C. POP3
- D. SMTP

Answer: D

NEW QUESTION 255

- (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 256

- (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 258

- (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 262

- (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 266

- (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 267

- (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 268

- (Exam Topic 2)

An organization recently installed a firewall on the network. Employees must be able to send and receive email from a POP3 server. In which of the following ways should the firewall be configured? (Select TWO).

- A. Allow TCP port 23
- B. Allow TCP port 25
- C. Allow TCP port 110
- D. Allow UDP port 25
- E. Allow UDP port 110

Answer: BC

NEW QUESTION 271

- (Exam Topic 2)

An organization has installed a new firewall. Users need to have access to remote websites and must be able to use SSH to retrieve files from remote locations. Which of the following actions should be taken on the new firewall? (Select TWO).

- A. Allow UDP port 21 outbound
- B. Allow UDP port 22 outbound
- C. Allow UDP port 80 outbound
- D. Allow TCP port 21 outbound
- E. Allow TCP port 22 outbound
- F. Allow TCP port 80 outbound

Answer: EF

NEW QUESTION 273

- (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 274

- (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 279

- (Exam Topic 2)

Which of the following MUST be kept synchronized in order for Kerberos to work?

- A. Certificate
- B. Ticket
- C. Time
- D. Token

Answer: C

NEW QUESTION 282

- (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 283

- (Exam Topic 2)

A new firewall was recently installed blocking SMTP traffic. As a result, no one has Internet access. Which of the following has MOST likely occurred?

- A. Port security is blocking all traffic.
- B. An IDS is blocking all traffic.
- C. Implicit deny is blocking all traffic.
- D. SMTP is blocking all traffic.

Answer: C

NEW QUESTION 284

- (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 289

- (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 292

- (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 294

- (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 299

- (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 301

- (Exam Topic 2)

A network technician needs to address bandwidth issues on the wireless network. There are currently four 802.11n access points. The technician would like to increase the bandwidth. Which of the following would be the BEST solution?

- A. Disable SSID
- B. Channel bonding
- C. MIMO
- D. Increase the signal

Answer: B

NEW QUESTION 304

- (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 308

- (Exam Topic 3)

Jeff, a business owner, has discovered that several of the nearby businesses have wireless networks. Jeff wants to implement a unique wireless network inside the business. Which of the following should be configured on the wireless access point to reduce interference from the other wireless networks?

- A. PPPoE authentication
- B. MAC filtering
- C. WPA encryption
- D. Wireless channel

Answer: D

NEW QUESTION 309

- (Exam Topic 3)

A network administrator is troubleshooting an intermittent network issue between devices that have a particularly long cable run. The issue was escalated to a network designer who alluded to potential attenuation issues. Which of the following BEST describes what the network designer was referring to?

- A. Bad connectors
- B. Cross-talk
- C. EMI / Interference
- D. dB loss

Answer: D

NEW QUESTION 310

- (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 313

- (Exam Topic 3)

Which of the following does the IP address 169.254.222.10 indicate?

- A. No DHCP server connectivity
- B. The DNS server is unavailable
- C. Firewall issue
- D. Duplicate IP addresses are found

Answer: A

NEW QUESTION 314

- (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 319

- (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 324

- (Exam Topic 3)

An organization wants to perform maintenance on any of its web servers without affecting the service availability during a scheduled change window. Which of the following network devices would be required to provide this functionality?

- A. Router
- B. Forward proxy
- C. Load balancer

D. Firewall

Answer: C

NEW QUESTION 329

- (Exam Topic 3)

Which of the following cloud infrastructure designs includes on premise servers utilizing a centralized syslog server that is hosted at a third party organization for review?

- A. Hybrid
- B. Public
- C. Community
- D. Private

Answer: A

NEW QUESTION 330

- (Exam Topic 3)

Which of the following methods limits access to a network based on characteristics of the network card?

- A. IP filtering
- B. MAC filtering
- C. Port filtering
- D. Encryption

Answer: B

NEW QUESTION 334

- (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 339

- (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 342

- (Exam Topic 3)

Which of the following security threats relies primarily on user deception and misinformation?

- A. Rogue access points
- B. DoS attacks
- C. Man-in-the-middle attacks
- D. Phishing

Answer: D

NEW QUESTION 344

- (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 347

- (Exam Topic 3)

Zach, a network technician, is unable to remotely manage or ping certain layer 2 switches. To manage those devices remotely, which of the following will MOST

likely need to be configured?

- A. IP address on the native VLAN interface
- B. Port security
- C. Port forwarding
- D. IP address on the fiber interface

Answer: A

NEW QUESTION 349

- (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 350

- (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 355

- (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 359

- (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 361

- (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 364

- (Exam Topic 3)

A network technician performs several switch commands to enable various advanced features on the switch in the accounting department. During the configuration changes, several users from this department report connectivity issues. Which of the following logs would the network technician need to analyze to troubleshoot the connectivity issues?

- A. Router logs
- B. History logs
- C. Startup/bootup config logs
- D. Event Viewer logs

Answer: B

NEW QUESTION 366

- (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 368

- (Exam Topic 3)

Which of the following technologies allows more than two transceivers with an access point?

- A. MIMO
- B. FIFO
- C. 802.1x
- D. WPA

Answer: A

NEW QUESTION 373

- (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 375

- (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 376

- (Exam Topic 3)

Which of the following technologies could be implemented to improve call clarity when using VoIP technology?

- A. Static IP addressing
- B. Caching engines
- C. QoS
- D. Port forwarding

Answer: C

NEW QUESTION 378

- (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 382

- (Exam Topic 3)

Which of the following protocols is used for remote management of devices?

- A. SNMP

- B. TFTP
- C. Syslog
- D. SMTP

Answer: A

NEW QUESTION 385

- (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 389

- (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 392

- (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 393

- (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 396

- (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 397

- (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 402

- (Exam Topic 3)

A network technician configures a firewall to block only certain IP addresses from accessing the Internet. All users are reporting that they are unable to access the Internet.

Which of the following is the MOST likely reason?

- A. Incorrectly configured ACL
- B. Implicit allow statement
- C. SMTP requests are being denied
- D. All protocols are being allowed in

Answer: A

NEW QUESTION 404

- (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 408

- (Exam Topic 3)

Kim, a network administrator, is seeing workstations in building C authenticate to the building A wireless access point. Which of the following would resolve this issue?

- A. Change the security method
- B. Reduce the transmission power
- C. Change the SSID
- D. Change the frequency

Answer: B

NEW QUESTION 409

- (Exam Topic 3)

Which of the following technologies allows for redundant links within a Layer 2 segment?

- A. OSPF
- B. RIP
- C. Port Mirroring
- D. Spanning Tree

Answer: D

NEW QUESTION 412

- (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 416

- (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 418

- (Exam Topic 3)

Several users from the same building are reporting connectivity issues. The SFP at that building's IDF switch is showing a link light, but there is no link light to the corresponding switch's SFP at the MDF. Which of the following is the MOST likely cause?

- A. A crossover cable is being used.
- B. DB loss is too high on all strands.

- C. Only TX or RX strand is working.
- D. TX and RX are reversed.

Answer: C

NEW QUESTION 419

- (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 423

- (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 427

- (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 430

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