

CompTIA

Exam Questions JK0-023

CompTIA Network+ certification



NEW QUESTION 1

- (Exam Topic 1)

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 2

- (Exam Topic 1)

Which of the following is used to prevent Layer 2 switching loops within a local area network?

- A. STP
- B. MTU
- C. EGP
- D. IGP

Answer: A

NEW QUESTION 3

- (Exam Topic 1)

Kurt, a network technician, has been troubleshooting a connectivity problem in the LAN room. He has diagnosed the problem and implemented a solution. Which of the following would be Kurt's NEXT step?

- A. Test the theory
- B. Establish a plan of action
- C. Establish a theory
- D. Document findings

Answer: D

NEW QUESTION 4

- (Exam Topic 1)

In which of the following layers of the OSI model does the TCP protocol operate?

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

Answer: D

NEW QUESTION 5

- (Exam Topic 1)

Which of the following is used to embed the MAC address of an Ethernet interface in a corresponding IPv6 address?

- A. Subnet
- B. IANA prefix
- C. EUI-64
- D. Site-local

Answer: C

NEW QUESTION 6

- (Exam Topic 1)

Which of the following OSI layers is responsible for encrypting HTTPS traffic?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: D

NEW QUESTION 7

- (Exam Topic 1)

An IP address is encapsulated at which of the following layers of the OSI model?

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

Answer: C

NEW QUESTION 8

- (Exam Topic 1)

Which of the following protocols would the network administrator use to protect login credentials when accessing a router terminal session?

- A. SCP
- B. SNMPv3
- C. SSL
- D. SSH

Answer: D

NEW QUESTION 9

- (Exam Topic 1)

Which of the following OSI layers performs error detection using a Frame Check Sequence?

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

Answer: D

NEW QUESTION 10

- (Exam Topic 1)

Which of the following protocols is used to send time synchronization updates on a given network?

- A. NTP
- B. POP3
- C. DNS
- D. IMAP

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

After a new firewall is installed, users report that they do not have connectivity to the Internet. The output of the ipconfig command shows an IP address of 169.254.0.101. Which of the following ports would need to be opened on the firewall to allow the users to obtain an IP address? (Select TWO).

- A. UDP 53
- B. UDP 67
- C. UDP 68
- D. TCP 53
- E. TCP 67
- F. TCP 68

Answer: BC

NEW QUESTION 14

- (Exam Topic 1)

A technician has narrowed down the cause of a problem to two possible sources. Which of the following should the technician do NEXT?

- A. Implement a solution for both causes to be sure all possibilities are covered.
- B. Choose the more likely cause and test to confirm.
- C. Establish a plan of action for each.
- D. Choose the less likely cause and test to eliminate.

Answer: B

NEW QUESTION 19

- (Exam Topic 1)

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 24

- (Exam Topic 1)

A forward lookup zone converts which of the following?

- A. IP addresses to hostnames
- B. Hostnames to IP addresses
- C. MAC addresses to IP addresses
- D. IP Addresses to MAC addresses

Answer: B

NEW QUESTION 27

- (Exam Topic 1)

Which of the following is a purpose of a VLAN?

- A. Decreases bandwidth on a network
- B. Segments broadcast traffic
- C. Increases port speed
- D. Allows another connection to the router

Answer: B

NEW QUESTION 28

- (Exam Topic 1)

Which TCP/IP model layer does the OSI model layer named 'session' respond to?

- A. Application
- B. Presentation
- C. Internet
- D. Transport

Answer: A

NEW QUESTION 32

- (Exam Topic 1)

An administrator has created several virtual machines on the same host server and requires them to each be on separate VLANs. Which of the following should the administrator configure to meet this goal?

- A. Set the VLAN preferences on the host's NIC
- B. Create each VLAN on the host's virtual switch
- C. Change the virtual machine NIC settings from private to bridged
- D. Create each VLAN on the host's gateway router

Answer: B

NEW QUESTION 35

- (Exam Topic 1)

A network consultant arrives at a customer's site to troubleshoot their email server. The server is running a Linux operating system, but the consultant is only familiar with Windows operating systems. Which of the following troubleshooting steps should the consultant take?

- A. Document findings
- B. Identify the problem
- C. Escalate the problem
- D. Establish a plan of action

Answer: C

NEW QUESTION 36

- (Exam Topic 1)

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 41

- (Exam Topic 1)

A company has been given a Class C address to be utilized for all devices. The company has several subnets and the largest subnet has 15 hosts. Which of the following represents the MINIMUM CIDR notation of this subnet mask?

- A. /26
- B. /27
- C. /28
- D. /29

Answer: B

NEW QUESTION 44

- (Exam Topic 1)

Which of the following services are affected by closing the default ports of 80 and 21 via ACL on a company router?

- A. FTP and basic Internet traffic
- B. HTTPS and IMAP traffic
- C. DNS and TELNET traffic
- D. VPN and RDP traffic

Answer: A

NEW QUESTION 47

- (Exam Topic 1)

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 49

- (Exam Topic 1)

STP prevents which of the following problems?

- A. Collision domains
- B. Switching loops
- C. Broadcast storms
- D. Routing loops

Answer: B

NEW QUESTION 51

- (Exam Topic 1)

Frame relay occurs at which of the following layers of the OSI model?

- A. Layer 1
- B. Layer 2
- C. Layer 4
- D. Layer 6

Answer: B

NEW QUESTION 52

- (Exam Topic 1)

Which of the following routing protocols utilizes the DUAL algorithm for determining best path?

- A. EIGRP
- B. RIPv2
- C. OSPF
- D. RIP

Answer: A

NEW QUESTION 53

- (Exam Topic 1)

Which of the following port numbers is used for SNMP?

- A. 61
- B. 151
- C. 161
- D. 1611

Answer: C

NEW QUESTION 54

- (Exam Topic 1)

The network interface layer of the TCP/IP model corresponds with which of the following layers of the OSI model? (Select TWO).

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

Answer: DF

NEW QUESTION 59

- (Exam Topic 1)

Which of the following services would have assigned the IP address 169.254.1.89?

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

Answer: B

NEW QUESTION 64

- (Exam Topic 1)

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 within the same subnet based on IP addresses

Answer: A

NEW QUESTION 69

- (Exam Topic 1)

A user reports intermittent network connectivity from their desktop PC. A technician determines the cause to be a bad wall jack and fixes the jack. Which of the following should the technician do NEXT?

- A. Test the theory
- B. Question the user
- C. Document the outcome
- D. Verify functionality

Answer: D

NEW QUESTION 71

- (Exam Topic 1)

Which of the following protocols is commonly used for VoIP technology?

- A. Telnet
- B. SMTP
- C. SIP
- D. SNMP

Answer: C

NEW QUESTION 75

- (Exam Topic 1)

The address 6FFE:FFFF:0000:2F3B:04AC:00FF:FEFE:5C4A is an example of which of the following?

- A. APIPA
- B. MAC
- C. IPv4
- D. IPv6

Answer: D

NEW QUESTION 80

- (Exam Topic 1)

A network technician has determined a managed network switch has failed. The technician knows how to install a new switch, but not how to properly configure it. Which of the following troubleshooting steps should the technician take NEXT?

- A. Escalate the problem
- B. Identify potential effects
- C. Test the theory to determine cause
- D. Establish a plan of action to resolve the problem

Answer: A

NEW QUESTION 82

- (Exam Topic 1)

DHCP uses which of the following ports by default?

- A. 21

- B. 23
- C. 68
- D. 443

Answer: C

NEW QUESTION 85

- (Exam Topic 1)

Which of the following assists a network administrator in reverse engineering malware and viruses?

- A. Virtual switches
- B. Virtual machines
- C. VLANs
- D. IDS

Answer: B

NEW QUESTION 90

- (Exam Topic 2)

Which wireless standard works at a MAXIMUM data rate of up to 54Mbps?

- A. 802.11b
- B. 802.11g
- C. 802.11n
- D. 802.1q

Answer: B

NEW QUESTION 94

- (Exam Topic 2)

Which of the following wireless standards is the only one capable of operating in either of the 802.11 wireless spectrums?

- A. A
- B. B
- C. G
- D. N

Answer: D

NEW QUESTION 95

- (Exam Topic 2)

The network technician is troubleshooting a connectivity issue on a CAT5 cable with a wire map and notices that only pins 1, 3, and 6 are mapping correctly. Which of the following pins are open and keeping traffic from flowing correctly?

- A. 2
- B. 4
- C. 5
- D. 8

Answer: A

NEW QUESTION 97

- (Exam Topic 2)

Users notice a problem with their network connectivity when additional lights are turned on. Which of the following would be the cause for this problem?

- A. DDOS
- B. Cross talk
- C. Open short
- D. EMI

Answer: D

NEW QUESTION 100

- (Exam Topic 2)

Which of the following spreads out each of the individual wires of a UTP cable onto their own metal connector?

- A. BNC connection
- B. 110 block
- C. Plenum
- D. LC connector

Answer: B

NEW QUESTION 103

- (Exam Topic 2)

Which of the following network topologies is MOST likely used in remote access VPN?

- A. Point to Point
- B. Bus
- C. Ring
- D. Mesh

Answer: A

NEW QUESTION 106

- (Exam Topic 2)

Which of the following has a DB-9 connector?

- A. SC
- B. RS-232
- C. LC
- D. RJ-45

Answer: B

NEW QUESTION 111

- (Exam Topic 2)

Which of the following would be used to connect a singlemode fiber cable to a CAT6 connection?

- A. Media converter
- B. T1-crossover
- C. Multimode cable
- D. Coaxial

Answer: A

NEW QUESTION 114

- (Exam Topic 2)

A technician is trying to add another switch to the network with multiple VLANs. Which of the following should the technician configure on the interface to allow multiple VLANs?

- A. Mirroring
- B. Trunking
- C. Authenticating
- D. Bonding

Answer: B

NEW QUESTION 119

- (Exam Topic 2)

Which of the following components of wiring distribution is referred to as the core communications closet for an organization?

- A. MDF
- B. Smart jack
- C. IDF
- D. Demarc extension

Answer: A

NEW QUESTION 120

- (Exam Topic 2)

Which of the following cable types use pins 1 and 2 to transmit and 3 and 6 to receive?

- A. Coaxial
- B. Crossover
- C. Multimode fiber
- D. Straight-through

Answer: D

NEW QUESTION 123

- (Exam Topic 2)

A technician notices a newly installed CAT5 cable is longer than the standard maximum length. Which of the following problems would this MOST likely cause?

- A. Split cable
- B. EMI
- C. DB loss
- D. Crosstalk

Answer: C

NEW QUESTION 124

- (Exam Topic 2)

A large corporate office is looking to place smaller network closets around campus to handle switching for remote workstations. To which of the following is this referring?

- A. MDF
- B. VPN
- C. RDP
- D. IDF

Answer: D

NEW QUESTION 128

- (Exam Topic 2)

A patch cable terminated with one end as T568A and the other as T568B will create which of the following cable types?

- A. Crossover
- B. Serial
- C. Roll over
- D. Straight through

Answer: A

NEW QUESTION 131

- (Exam Topic 2)

Which of the following cable types allows for the LONGEST distance of a Gigabit Ethernet connection?

- A. Multimode fiber
- B. CAT6a
- C. Single mode fiber
- D. Coaxial

Answer: C

NEW QUESTION 136

- (Exam Topic 2)

Which of the following network topologies describes a network where each node is connected to every other node?

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

Answer: C

NEW QUESTION 139

- (Exam Topic 2)

CAT6 has how many twisted copper pairs?

- A. 2
- B. 4
- C. 6
- D. 8
- E. 16

Answer: B

NEW QUESTION 143

- (Exam Topic 2)

Which of the following WAN technologies utilizes an optical SONET carrier and has a maximum bandwidth of 155.54Mbps?

- A. DS3
- B. E3
- C. OC3
- D. T3

Answer: C

NEW QUESTION 147

- (Exam Topic 2)

Which of the following connectors push and twist-on?

- A. LC
- B. SC
- C. ST
- D. RJ-45

Answer: C

NEW QUESTION 148

- (Exam Topic 2)

Horizontal cable is terminated on which device in the wiring closet?

- A. Demarc
- B. Switch
- C. Punch down tool
- D. Patch panel

Answer: D

NEW QUESTION 151

- (Exam Topic 2)

Which of the following network topologies would be separated into two networks if a client in the middle is removed or the cable is cut?

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

Answer: C

NEW QUESTION 153

- (Exam Topic 2)

Kim, a technician, is connecting a new desktop computer to a switch. She was only able to locate one cable in the office for the installation. The wires at each end are color coded as follows:

End A: orange-white, orange, green-white, blue, blue-white, green, brown-white, brown End B: green-white, green, orange-white, blue, blue-white, orange, brown-white, brown Which of the following should Kim do to complete the installation?

- A. Re-end the provided cable, keeping the wiring the same.
- B. Use the provided cable.
- C. Purchase a crossover cable.
- D. Purchase a straight-through cable.

Answer: D

NEW QUESTION 157

- (Exam Topic 2)

Which of the following can operate on BOTH the 2.4GHz and 5.8GHz frequencies?

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

Answer: D

NEW QUESTION 160

- (Exam Topic 2)

An administrator has added four switches to a campus network. The switch in wiring closet A is only connected to the switch in wiring closet C. The switch in wiring closet B is connected to the switch in wiring closet C as well as wiring closet D. The switch in wiring closet D is only connected to the switch in wiring closet B.

Which of the following topologies is represented in this design?

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

Answer: C

NEW QUESTION 162

- (Exam Topic 2)

Which of the following uses a ring topology?

- A. DSL
- B. Ethernet
- C. DOCSIS
- D. SONET

Answer: D

NEW QUESTION 166

- (Exam Topic 3)

Which of the following could Kim, a network technician, use to inspect connection setup, request, and response headers for users connecting to a web server?

- A. nbtstat command
- B. dig command
- C. ipconfig command
- D. Protocol analyzer

Answer: D

NEW QUESTION 171

- (Exam Topic 3)

Which of the following network optimization methods would be BEST to implement to increase bandwidth for an internal streaming video server?

- A. ISDN
- B. QoS
- C. Upgrade to 10baseT
- D. Buffer overflow

Answer: B

NEW QUESTION 175

- (Exam Topic 3)

A switch in IDF 3 has shut down at 3 p.m. everyday this week. Which of the following network tools should Kim, a technician, use to troubleshoot this problem?

- A. Environmental monitor
- B. Cable tester
- C. TDR
- D. Loopback plug

Answer: A

NEW QUESTION 178

- (Exam Topic 3)

A content filter is MOST likely installed on which of the following servers?

- A. Proxy server
- B. TACACS+ server
- C. DNS server
- D. DHCP server

Answer: A

NEW QUESTION 182

- (Exam Topic 3)

A network technician has been asked to look into a report from the IDS to determine why traffic is being sent from an internal FTP server to an external website. Which of the following tools can be used to inspect this traffic?

- A. Router firewall
- B. Ping and traceroute
- C. Throughput tester
- D. Protocol analyzer

Answer: D

NEW QUESTION 186

- (Exam Topic 3)

Karen, a technician, needs to monitor network traffic for bandwidth analysis because of slow Internet downloads. Which of the following protocols will the tool use to show the necessary information?

- A. SNMP
- B. NTP
- C. SIP
- D. PPTP

Answer: A

NEW QUESTION 187

- (Exam Topic 3)

Which of the following network performance optimization methods allows for frequently accessed sites to be housed locally, thereby reducing bandwidth requirements?

- A. Load balancing
- B. Traffic policing
- C. Caching engines
- D. Traffic shaping

Answer: C

NEW QUESTION 188

- (Exam Topic 3)

Lisa, a technician, needs to customize various cable lengths and verify that the cables are working correctly. Which of the following tools would be needed to accomplish this? (Select TWO).

- A. Cable certifier
- B. Multimeter
- C. Crimper
- D. Punch down tool
- E. Loopback plug

Answer: AC

NEW QUESTION 189

- (Exam Topic 3)

Lisa, an administrator, wants to limit the wireless guest network traffic to 100Kbps so that utilization issues do not occur on the company's T1 Internet access network. Which of the following optimizations should Lisa implement?

- A. Load balancing
- B. Caching engine
- C. Traffic shaping
- D. Quality of service

Answer: C

NEW QUESTION 192

- (Exam Topic 3)

An administrator is able to list the interfaces on a switch after providing the community string "public". Which of the protocols is the administrator MOST likely using?

- A. Telnet
- B. RADIUS
- C. SSH
- D. SNMP

Answer: D

NEW QUESTION 195

- (Exam Topic 3)

Lisa, a network technician, needs to push changes out to network devices and also monitor the devices based on each device's MIB. Which of the following should she use?

- A. SNMP
- B. Traffic analysis
- C. Syslog
- D. Asset management

Answer: A

NEW QUESTION 198

- (Exam Topic 3)

A network administrator suspects that recent traffic problems could be caused by a high CPU load on company routers. Which of the following would BEST be used to monitor CPU cycles on the routers?

- A. TACACS+
- B. SNMP
- C. Syslog
- D. DOCSIS

Answer: B

NEW QUESTION 199

- (Exam Topic 3)

Which of the following devices will allow Lisa, a user, to see a cached copy of websites?

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

Answer: C

NEW QUESTION 204

- (Exam Topic 3)

After installing new cabling, Karen, a technician, notices that several computers are connecting to network resources very slowly. Which of the following tools would BEST help in determining if the new cabling is the cause of the problem?

- A. Multimeter
- B. Cable certifier
- C. Cable tester
- D. Toner probe

Answer: B

NEW QUESTION 208

- (Exam Topic 3)

Which of the following is a specialized piece of hardware designed to encrypt and decrypt user traffic?

- A. Proxy server
- B. TDR
- C. Smart jack
- D. VPN concentrator

Answer: D

NEW QUESTION 210

- (Exam Topic 3)

Which of the following performance optimization techniques would be MOST beneficial for a network-wide VoIP setup? (Select TWO).

- A. Proxy server
- B. Traffic shaping
- C. Caching engines
- D. Load balancing
- E. Quality of service

Answer: BE

NEW QUESTION 213

- (Exam Topic 3)

Which of the following describes a rationale for a network with redundant paths?

- A. VPN compatibility
- B. Unified communications implementation
- C. High availability requirement
- D. QoS

Answer: C

NEW QUESTION 218

- (Exam Topic 3)

A public website using round robin DNS is an example of:

- A. load balancing.
- B. QoS.
- C. caching engines.
- D. traffic shaping.

Answer: A

NEW QUESTION 220

- (Exam Topic 3)

Karen, an administrator, wants to verify which protocols are in use on the network. Which of the following tools should she use?

- A. Intrusion detection software
- B. PoE
- C. Packet sniffer
- D. Intrusion prevention software

Answer: C

NEW QUESTION 225

- (Exam Topic 3)

A large company has experienced Internet slowdowns as users have increased their use of the Internet. Which of the following can the Network Administrator use to determine the amount of bandwidth used by type of application?

- A. Network maps
- B. Traffic analysis
- C. Syslog
- D. ICMP

Answer: B

NEW QUESTION 229

- (Exam Topic 3)

Which of the following is a method to prioritize network traffic coming from VoIP phones?

- A. PAT
- B. DNS
- C. SIP
- D. QoS

Answer: D

NEW QUESTION 232

- (Exam Topic 3)

Sandy, a network technician, is troubleshooting connectivity to a server at a remote office. Which of the following utilities should be used to locate the network issue?

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

Answer: C

NEW QUESTION 235

- (Exam Topic 3)

Which of the following hardware tools would MOST likely be used to verify Layer 1 connectivity?

- A. Multimeter
- B. Loopback plug
- C. Cable certifier
- D. CAT3 coupler

Answer: B

NEW QUESTION 237

- (Exam Topic 3)

Which of the following commands can a network technician use to check whether the DNS server for a given domain is reachable?

- A. nmap
- B. nbtstat
- C. dig
- D. arp

Answer: C

NEW QUESTION 240

- (Exam Topic 3)

A new business' web server has seen a huge spike of legitimate traffic in the last week. The owners want to ensure the site has no problems as the business continues to grow. For Kim, a network administrator, which of the following is the MOST important concern for this company?

- A. Caching
- B. Asset management
- C. Traffic shaping
- D. High availability

Answer: D

NEW QUESTION 244

- (Exam Topic 3)

Kurt, a network administrator, is tasked with simplifying the review of events from network devices. Which of the following is used to accomplish this?

- A. History logs
- B. Event logs
- C. Syslog server
- D. Traffic analyzer

Answer: C

NEW QUESTION 245

- (Exam Topic 3)

Users have reported choppy audio in phone conversations since the implementation of SIP phones on the network. Which of the following should be implemented to alleviate the delays?

- A. Caching
- B. VoIP
- C. QoS
- D. SMTP

Answer: C

NEW QUESTION 246

- (Exam Topic 3)

Which of the following should Kim, a technician, update when new computers are purchased?

- A. Asset management
- B. Change management
- C. Cable management
- D. Baselines

Answer: A

NEW QUESTION 248

- (Exam Topic 3)

When troubleshooting a connectivity issue, which of the following commands will give the technician a list of the host names connected to the network?

- A. ping
- B. nbstat
- C. arp
- D. msconfig

Answer: B

NEW QUESTION 252

- (Exam Topic 3)

A user's computer is unable to access the Internet. Which of the following utilities can a technician use to determine if DNS is working?

- A. nbstat
- B. arp
- C. nslookup
- D. ipconfig

Answer: C

NEW QUESTION 253

- (Exam Topic 3)

Which of the following devices can be utilized to monitor and block websites accessible by a company?

- A. WINS server
- B. DNS server
- C. Content filter
- D. Reverse proxy

Answer: C

NEW QUESTION 254

- (Exam Topic 3)

Users have reported slow access times when retrieving information from a server on the company's network. Which of the following tools would provide access time information on each segment of the network to reach the server?

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

Answer: D

NEW QUESTION 256

- (Exam Topic 3)

Kim and Zach, attackers, use which of the following network scanners to see the protocols that are being used? (Select TWO).

- A. IDS
- B. Packet sniffer
- C. Port scanners
- D. Malware scanner
- E. Ping sweep

Answer: BC

NEW QUESTION 260

- (Exam Topic 3)

Jeff, a network technician, arrives to work and discovers users are having a problem connecting the company server. The server operator was working on upgrades the night before. Which of the following documents should Jeff use to attempt to discover the problem?

- A. Network maps
- B. Change management
- C. Baselines
- D. Cable management

Answer: B

NEW QUESTION 265

- (Exam Topic 3)

Karen, an administrator, finds a phone line but does not know where the line goes or if it is active. Which of the following can be used to test if it is active?

- A. Butt set
- B. Punch down tool
- C. Cable tester
- D. Cable stripper

Answer: A

NEW QUESTION 270

- (Exam Topic 3)

Which of the following will allow a technician to monitor all network traffic when connected to a mirror port?

- A. VLAN tags
- B. SNMP
- C. Packet sniffer
- D. Syslog

Answer: C

NEW QUESTION 274

- (Exam Topic 3)

An application is using port 2000 on a PC. Which of the following could an administrator do to determine what software is listening on that port?

- A. Run netstat
- B. Run dig
- C. Run nbtstat
- D. Run tracert

Answer: A

NEW QUESTION 278

- (Exam Topic 3)

Zach, a new network technician, is monitoring network traffic and notices the network is operating at 80% of capacity. Which of the following could be used to determine if this is abnormally high traffic use?

- A. Network maps
- B. Cable management documentation
- C. Wire schemes
- D. Baseline

Answer: D

NEW QUESTION 282

- (Exam Topic 3)

Sandy, a user, is unable to map a drive to a known NetBIOS share. A ping from the client to the server is successful. Which of the following software tools is used to check if NetBIOS is enabled?

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

Answer: C

NEW QUESTION 283

- (Exam Topic 3)

Due to a recent change in company policy, all users managing network infrastructure devices must use SSH v2 and all administrative activity must be collected on a central store. Which of the following should the network administrator deploy to comply with the new collection requirements?

- A. Network intrusion detection
- B. Traffic analysis tool
- C. Syslog server
- D. Network sniffer

Answer: C

NEW QUESTION 286

- (Exam Topic 3)

A user's workstation is experiencing multiple errors when trying to open programs. Which of the following log files should the technician review to assist in troubleshooting these errors?

- A. History Log
- B. Application Log
- C. System Log
- D. Security Log

Answer: B

NEW QUESTION 290

- (Exam Topic 4)

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 291

- (Exam Topic 4)

A user at a hotel sees two SSIDs; both are called "HotelWireless". After the PC connects to one of the APs, the user notices their browser homepage has been changed. Which of the following BEST describes this AP?

- A. Man-in-the-middle
- B. DDoS
- C. Evil twin
- D. War driving

Answer: C

NEW QUESTION 294

- (Exam Topic 4)

A network administrator wishes to limit the number of potential wireless clients to 20 on a specific AP. Which of the following settings needs to be changed?

- A. The network address translation IP range.
- B. The signal strength of the router.
- C. The DHCP lease time.
- D. The number of allowable MAC addresses.

Answer: D

NEW QUESTION 297

- (Exam Topic 4)

A system administrator is implementing an IDS on the database server to see who is trying to access the server. The administrator relies on the software provider for what to detect. Which of the following would MOST likely be installed?

- A. Behavior based IDS
- B. Network based IDS
- C. Signature based IDS
- D. Honeypot

Answer: C

NEW QUESTION 299

- (Exam Topic 4)

An administrator determines that an attack is taking place on the email server from a group of users on the same ISP. Which of the following is the BEST way to mitigate an attack on the network?

- A. Packet filtering
- B. Spam filtering
- C. MAC filtering
- D. CSU

Answer: A

NEW QUESTION 304

- (Exam Topic 4)

An administrator wants to restrict traffic to FTP sites regardless of which PC the request comes from. Which of the following would BEST accomplish this?

- A. An IP filtering ACL
- B. A MAC filtering ACL

- C. A port filtering ACL
- D. A class matching ACL

Answer: C

NEW QUESTION 309

- (Exam Topic 4)

A technician needs to restrict access to a SOHO wireless network to specific devices. Which of the following would MOST likely be used with minimal client configuration?

- A. Port filtering
- B. WEP
- C. MAC address filtering
- D. PoE

Answer: C

NEW QUESTION 313

- (Exam Topic 4)

Which of the following describes blocking traffic based upon the Layer 3 sources address of the traffic?

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

Answer: B

NEW QUESTION 315

- (Exam Topic 4)

Which of the following can be used to compromise a WPA encrypted wireless network when the rainbow table does not contain the key?

- A. Evil twin
- B. War chalking
- C. Buffer overflow
- D. Virus

Answer: A

NEW QUESTION 318

- (Exam Topic 4)

Ann, a home user, wishes to confine a wireless network to devices ONLY inside of her house. Which of the following will accomplish this?

- A. Decreasing radio strength
- B. MAC filtering
- C. WEP encryption
- D. SSID broadcast disable

Answer: A

NEW QUESTION 320

- (Exam Topic 4)

A company has only three laptops that connect to their wireless network. The company is currently using WEP encryption on their wireless network. They have noticed unauthorized connections on their WAP and want to secure their wireless connection to prevent this. Which of the following security measures would BEST secure their wireless network? (Select TWO).

- A. Change the encryption method to WPA
- B. Limit the DHCP scope to only have three addresses total
- C. Enable the SSID broadcast
- D. Enable and configure MAC filtering
- E. Change the broadcast channel to a less commonly used channel

Answer: AD

NEW QUESTION 322

- (Exam Topic 4)

A user enters a password into a logon box on a PC. The server and the PC then compare one-way hashes to validate the password. Which of the following methods uses this process?

- A. PKI
- B. Kerberos
- C. Single sign-on
- D. CHAP

Answer: D

NEW QUESTION 326

- (Exam Topic 4)

An organization only has a single public IP address and needs to host a website for its customers. Which of the following services is required on the network firewall to ensure connectivity?

- A. Forwarding proxy
- B. Port address translation
- C. DMZ port security
- D. Application inspection

Answer: B

NEW QUESTION 331

- (Exam Topic 4)

A strong network firewall would likely support which of the following security features for controlling access? (Select TWO).

- A. War driving
- B. War chalking
- C. MAC filtering
- D. FTP bouncing
- E. Port filtering

Answer: CE

NEW QUESTION 336

- (Exam Topic 4)

Which of the following is needed when using WPA2-Enterprise wireless encryption?

- A. TFTP
- B. RADIUS
- C. LDAP
- D. IPSec

Answer: B

NEW QUESTION 337

- (Exam Topic 4)

A network technician has configured a new firewall with a rule to deny UDP traffic. Users have reported that they are unable to access Internet websites. The technician verifies this using the IP address of a popular website. Which of the following is the MOST likely cause of the error?

- A. Implicit deny
- B. HTTP transports over UDP
- C. Website is down
- D. DNS server failure

Answer: A

NEW QUESTION 341

- (Exam Topic 4)

Which of the following would be the BEST solution for an IDS to monitor known attacks?

- A. Host-based
- B. Signature-based
- C. Network-based
- D. Behavior-based

Answer: B

NEW QUESTION 346

- (Exam Topic 4)

Which of the following is a standard measure of signal power?

- A. MHz
- B. mips
- C. dBm
- D. Gbps

Answer: C

NEW QUESTION 347

- (Exam Topic 4)

Which of the following authentication solutions use tickets that include valid credentials to access additional network resources?

- A. Kerberos
- B. RADIUS
- C. Multi-factor authentication
- D. TACACS+

Answer: A

NEW QUESTION 349

- (Exam Topic 4)

Which of the following is MOST commonly implemented for remote access to UNIX systems?

- A. SSL
- B. RSH
- C. SSH
- D. RDP

Answer: C

NEW QUESTION 350

- (Exam Topic 4)

Which of the following security protocols would BEST protect a connection to a remote email server and ensure full integrity of all transmitted email communication?

- A. TLS 1.2
- B. SNMPv3
- C. WPA2
- D. SMTP

Answer: A

NEW QUESTION 352

- (Exam Topic 4)

Which of the following will BEST block a host from accessing the LAN on a network using static IP addresses?

- A. IP filtering
- B. Port filtering
- C. MAC address filtering
- D. DHCP lease

Answer: A

NEW QUESTION 356

- (Exam Topic 4)

Which of the following authentication solutions also provides AAA and uses TCP?

- A. TACACS+
- B. Kerberos
- C. RADIUS
- D. RAS

Answer: A

NEW QUESTION 358

- (Exam Topic 4)

Which of the following is a social engineering attack?

- A. Worms
- B. Man-in-the-middle
- C. Phishing
- D. Evil twin

Answer: C

NEW QUESTION 362

- (Exam Topic 4)

Lisa, an administrator, believes that the network has been attacked and MAC addresses have been captured allowing unauthorized computers to access the network. Which of the following tools did the attackers MOST likely use to accomplish this?

- A. Intrusion prevention software
- B. Packet sniffer
- C. Intrusion detection software
- D. Port scanner

Answer: B

NEW QUESTION 367

- (Exam Topic 4)

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 368

- (Exam Topic 4)

Kim, a user, reports that the web browser is indicating the site certificate is not trusted. Which of the following attacks may be in progress?

- A. Man-in-the-middle
- B. Denial of service
- C. Ping flooding
- D. Smurfing

Answer: A

NEW QUESTION 373

- (Exam Topic 5)

A user snapped the retention tab off of a network cable. Which of the following tools would Jeff, a technician, use to replace the RJ-45 connector?

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

Answer: C

NEW QUESTION 377

- (Exam Topic 5)

When installing new WAPs in a small office, which of the following is the BEST way to physically mitigate the threats from war driving?

- A. Implement multiple wireless encryption techniques.
- B. Implement PoE on each WAP.
- C. Decrease signal strength.
- D. Increase signal strength.

Answer: C

NEW QUESTION 382

- (Exam Topic 5)

A technician is looking to secure an entire network by blocking all non-essential ports. Which of the following devices would BEST provide this functionality?

- A. Firewall
- B. Honeynet
- C. IDS
- D. IPS

Answer: A

NEW QUESTION 383

- (Exam Topic 5)

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 385

- (Exam Topic 5)

Which of the following diagnostic commands relies on proper forwarding of ICMP ECHO packets?

- A. ifconfig
- B. ping
- C. route
- D. nbtstat

Answer: B

NEW QUESTION 390

- (Exam Topic 5)

Which of the following wiring distribution types, often found in company closets, is used to connect wiring from individual offices to the main LAN cabling?

- A. MDF
- B. 66 block
- C. IDF
- D. Patch panel

Answer: D

NEW QUESTION 393

- (Exam Topic 5)

A technician is looking to create a new network cable. Which of the following tools would assist in creating and testing a cable properly? (Select TWO).

- A. Toner probe
- B. Cable certifier
- C. Butt set
- D. Crimper
- E. Network analyzer

Answer: BD

NEW QUESTION 397

- (Exam Topic 5)

Which of the following TCP ports are used by FTP? (Select TWO).

- A. 20
- B. 21
- C. 22
- D. 23
- E. 25
- F. 80

Answer: AB

NEW QUESTION 400

- (Exam Topic 5)

A network technician is assigned to view websites that a user has visited. Which of the following should the technician review to find this information?

- A. Event viewer
- B. History logs
- C. Network sniffer
- D. System logs

Answer: B

NEW QUESTION 402

- (Exam Topic 5)

A CAT5e network cable run needs to be installed over fluorescent lighting arrays in an office building. Which of the following cable types would be BEST suited for such an installation?

- A. UTP
- B. Plenum
- C. Coaxial
- D. STP

Answer: D

NEW QUESTION 403

- (Exam Topic 5)

Which of the following is associated with DNS reverse lookup zones?

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

Answer: C

NEW QUESTION 406

- (Exam Topic 5)

A technician wants to separate networks on a switch. Which of the following should be configured to allow this?

- A. VLAN
- B. Trunking
- C. Spanning tree
- D. Traffic filtering

Answer: A

NEW QUESTION 411

- (Exam Topic 5)

A network administrator needs to implement a monitoring tool and be able to send log information to a server and receive log information from other clients. Which of the following should be implemented? (Select TWO).











- A. SNMP
- B. Network sniffer
- C. Syslog
- D. System log
- E. History log

Answer: AC

NEW QUESTION 412

- (Exam Topic 5)

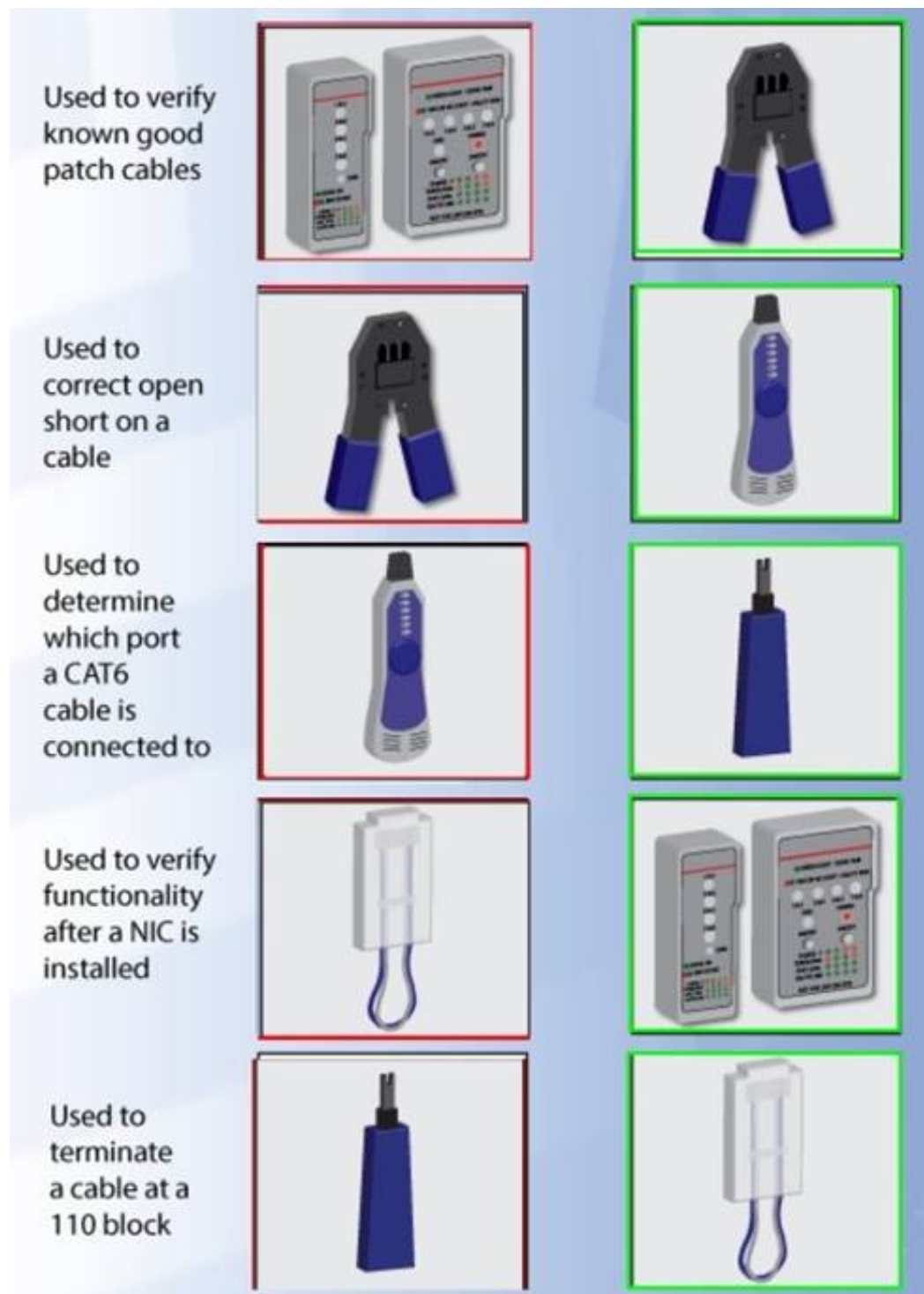
Drag and drop each networking tool to the MOST appropriate descriptor. Each tool may only be used once.

Used to verify known good patch cables		
Used to correct open short on a cable		
Used to determine which port a CAT6 cable is connected to		
Used to verify functionality after a NIC is installed		
Used to terminate a cable at a 110 block		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 416

- (Exam Topic 5)

Which of the following wireless standards has a MAXIMUM speed of only 1Mbps?

- A. IrDA
- B. 802.11b
- C. Bluetooth
- D. 802.11g

Answer: C

NEW QUESTION 417

- (Exam Topic 5)

A user is unable to print to a network printer. Which of following is the FIRST step that a technician should take to troubleshoot the issue?

- A. Identify the problem.
- B. Establish a plan of action to resolve the problem.
- C. Establish a theory of probable cause.
- D. Implement preventative measures.

Answer: A

NEW QUESTION 422

- (Exam Topic 5)

Which of the following wireless standards provide speeds up to 150Mbps?

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

Answer: D

NEW QUESTION 424

- (Exam Topic 5)

Several users are reporting connectivity issues with their laptops. Upon further investigation, the network technician identifies that their laptops have been attacked from a specific IP address outside of the network. Which of the following would need to be configured to prevent any further attacks from that IP address?

- A. Port security
- B. IDS
- C. Firewall rules
- D. Switch VLAN assignments

Answer: C

NEW QUESTION 427

- (Exam Topic 5)

A user at a small business states that they cannot connect to the Internet via the company's wireless network every time their cordless phone rings. Which of the following is MOST likely occurring?

- A. Interference
- B. Incorrect encryption type
- C. Latency
- D. SSID mismatch

Answer: A

NEW QUESTION 430

- (Exam Topic 5)

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 433

- (Exam Topic 5)

Which of the following can a technician use when a company implements redundant WAN links?

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

Answer: B

NEW QUESTION 437

- (Exam Topic 5)

Companies trying to cut down on constant documentation of IP addresses could use which of the following?

- A. Longer lease times
- B. More reservations
- C. Larger scopes
- D. Dynamic IP addressing

Answer: D

NEW QUESTION 441

- (Exam Topic 5)

A network technician visits a site that needs voice connectivity to the corporate office and installs four IP phones. The phone exchange resides at the telephone company. Which of the following technologies is being used?

- A. Virtual switch
- B. Virtual server
- C. Virtual desktop
- D. Virtual PBX

Answer: D

NEW QUESTION 442

- (Exam Topic 5)

Which of the following wiring components is used as a central point of termination for all network jacks through a building area?

- A. Demarc
- B. CSU
- C. Patch Panel
- D. Smart Jack

Answer: C

NEW QUESTION 446

- (Exam Topic 5)

Which of the following wireless standards has a MAXIMUM transfer rate of 11Mbps?

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

Answer: B

NEW QUESTION 448

- (Exam Topic 5)

A user calls the helpdesk to report not being able to access network resources over the company's Wi-Fi connection. During information gathering, the user mentions that the wireless network their computer is signed into is not the same name as it had been previously. Which of the following is the underlying cause?

- A. SSID mismatch
- B. Incorrect WPA key
- C. Signal bounce
- D. Antenna placement

Answer: A

NEW QUESTION 453

- (Exam Topic 5)

A customer has requested a solution using multiple WAPs for wireless access. Which of the following should be different on each WAP to prevent wireless problems?

- A. Firewalls
- B. VLANs
- C. Channels
- D. Antenna types

Answer: C

NEW QUESTION 455

- (Exam Topic 5)

A technician has replaced the Internet gateway router, and now no users can reach the Internet. The technician can ping the router Ethernet port but not the ISP's router IP address. Which of the following is the MOST likely problem?

- A. Faulty crossover cable
- B. DNS server is down
- C. Switching loop
- D. Outside interface shutdown

Answer: D

NEW QUESTION 457

- (Exam Topic 5)

Lisa, a network technician, needs to introduce a few more cables to the existing patch panel. Which of the following tools would she use?

- A. OTDR
- B. Multimeter
- C. Punch down tool
- D. Temperature monitor

Answer: C

NEW QUESTION 458

- (Exam Topic 5)

A technician needs to install a new wireless encryption system. They are evaluating the feasibility of implementing WPA. WPA increases protection over WEP by implementing which of the following?

- A. Strong RC4 encryption
- B. Shared secret keys
- C. AES encryption
- D. Key rotation

Answer: D

NEW QUESTION 461

- (Exam Topic 5)

A technician needs to test the length of a newly installed cable run because it is believed that it exceeds the maximum specification length. Which of the following tools should be used?

- A. Cable certifier

- B. Toner probe
- C. Cable tester
- D. Protocol analyzer

Answer: A

NEW QUESTION 465

- (Exam Topic 5)

Under each network device, drag and drop the associated broadcast and/or collision description. Objects may be used multiple times, as needed.

	Router	Layer 2 Switch	Wireless AP	Hub
Broadcast Domain	<div></div>	<div></div>	<div></div>	<div></div>
Collision Domain	<div></div>	<div></div>	<div></div>	<div></div>

Multiple Broadcast Domains

Single Broadcast Domains

Multiple Collision Domains

Single Collision Domains

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

	Router	Layer 2 Switch	Wireless AP	Hub
Broadcast Domain	Multiple Broadcast Domains	Single Broadcast Domains	Single Broadcast Domains	Single Broadcast Domains
Collision Domain	Multiple Collision Domains	Multiple Collision Domains	Single Collision Domains	Single Collision Domains

NEW QUESTION 466

- (Exam Topic 5)

A technician replaces a customer's router, and is now unable to ping the ISP's gateway. Which of the following should the technician check?

- A. The arp table of the new customer's router.
- B. The route table of the next-hop router.
- C. The route table of the new customer's router.
- D. The arp table of a network user.

Answer: C

NEW QUESTION 468

- (Exam Topic 5)

Which of the following network topologies is ONLY possible between two users?

- A. Star
- B. Client-server
- C. Hybrid
- D. Peer-to-peer

Answer: D

NEW QUESTION 470

- (Exam Topic 5)

Which of the following is the reason why a company's network may contain a DHCP server?

- A. To assign IP addresses to devices on the network
- B. To convert IP addresses to fully qualified domain names
- C. To provide POP3 and IMAP email functionality
- D. To allow secure remote access

Answer: A

NEW QUESTION 473

- (Exam Topic 5)

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 478

- (Exam Topic 5)

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 480

- (Exam Topic 5)

Which of the following can be configured on a managed network switch to send real time alerts to a technician?

- A. SSID
- B. SMTP
- C. SNMP
- D. Syslog

Answer: C

NEW QUESTION 484

- (Exam Topic 5)

A network administrator needs to configure a port on the switch that will enable all packets on a particular switch to be monitored. Which of the following would BEST complete this objective?

- A. Traffic shaping
- B. MAC filtering
- C. Port mirroring
- D. VLAN trunking

Answer: C

NEW QUESTION 487

- (Exam Topic 5)

After a technician has identified the problem and its impact, which of the following steps should be performed NEXT?

- A. Implement preventative measures.
- B. Establish a plan of action to resolve the problem.
- C. Establish a theory of probable cause.
- D. Implement the solution or escalate as necessary.

Answer:

C

NEW QUESTION 491

- (Exam Topic 5)

Which of the following ports does IMAP use by default?

- A. 110
- B. 123
- C. 143
- D. 443

Answer: C

NEW QUESTION 495

- (Exam Topic 5)

A user is trying to connect to the wireless network in the office but is unable to establish a consistent connection. The computer alternates connecting between several similarly configured access points. Which of the following would be the BEST way to address this issues?

- A. Adjust the signal strength of the access points with minimal coverage overlap.
- B. Increase the pool in each of the access points to avoid running out of IPs.
- C. Configure each access point to use a different method of encryption than the others.
- D. Reconfigure each of the access points so that they broadcast different SSIDs.

Answer: A

NEW QUESTION 500

- (Exam Topic 5)

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 concentrator

Answer: B

NEW QUESTION 502

- (Exam Topic 5)

Which of the following tools can the technician use to analyze TCP/IP packets when trying to determine a connection problem within a subnet?

- A. Wire mapper
- B. Protocol analyzer
- C. Cable tester
- D. SYSLOG server

Answer: B

NEW QUESTION 504

- (Exam Topic 5)

A technician tests a cable going to the patch panel and notices the following output from the cable tester: 1 1

2-----2
3-----3
4-----4
5-----5
6-----6
7-----7
8-- --8

On a T568A standard CAT5e cable, which of the following wire strands is the cause of this connectivity issue?

- A. White Orange
- B. Solid Brown
- C. Solid Orange
- D. White Green

Answer: D

NEW QUESTION 506

- (Exam Topic 5)

The components of a NIC function at which of the following layers of the OSI model? (Select TWO).

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5

Answer: AB

NEW QUESTION 509

- (Exam Topic 5)

Sandy, a user, is unable to access the Internet. The network administrator notices that the workstation has an APIPA address. Which of the following is MOST likely not functioning correctly in this situation?

- A. Broadcast address
- B. Multicast address
- C. DNS
- D. DHCP

Answer: D

NEW QUESTION 510

- (Exam Topic 5)

A network administrator has been assigned the 192.168.2.64/26 network and assigns the following computer's IP addresses:

- * 192.168.2.70
- * 192.168.2.100
- * 192.168.2.125
- * 192.168.2.130

When the administrator tries to ping the other computers from 192.168.2.130, an ECHO REPLY is not received. Which of the following must the network administrator do?

- A. Change the IP of 192.168.2.130 to 192.168.1.128.
- B. Change the IP of 192.168.2.130 to 192.168.2.126.
- C. Change the default gateway of 192.168.2.130 accordingly.
- D. Reconfigure the switch for the right VLAN.

Answer: B

NEW QUESTION 514

- (Exam Topic 5)

Which of the following is used to allow multiple sources on a single optical cable?

- A. HSPA+
- B. MIMO
- C. DWDM
- D. SONET

Answer: C

NEW QUESTION 515

- (Exam Topic 5)

A user wants to send information and ensure that it was not modified during transmission. Which of the following should be implemented?

- A. MAC filtering
- B. Digital signatures
- C. MS-CHAP
- D. CHAP

Answer: B

NEW QUESTION 517

- (Exam Topic 5)

Users in several departments are reporting connectivity problems. The technician examines the computer and finds the following settings. The IP address is 10.0.1.0 with a subnet mask of 255.255.252.0. The default gateway is 10.0.1.1 and the DNS server is 10.0.0.15. A user can connect to the internet but not servers on other internal subnets. The technician is not able to connect with a server with an IP of 10.0.2.25. Which of the following is MOST likely the problem?

- A. Default gateway
- B. Duplicate IP address
- C. Wrong DNS
- D. Subnet mask

Answer: D

NEW QUESTION 522

- (Exam Topic 5)

A Linux-based workstation is unable to connect to an IP printer on the same network segment. The printer IP address settings have been verified. How would a network technician verify IP address settings on the Linux-based workstation?

- A. Run the dig command on the workstation.
- B. Run the nslookup command on the workstation.
- C. Run the ipconfig command on the workstation.
- D. Run the ifconfig command on the workstation.

Answer: D

NEW QUESTION 524

- (Exam Topic 5)

Which of the following wiring distribution is used to connect wiring from equipment inside a company to carrier cabling outside a building?

- A. 66 block
- B. IDF
- C. MDF
- D. Patch panel

Answer: C

NEW QUESTION 525

- (Exam Topic 5)

A technician enters a username and password once and can access multiple databases without being prompted to reenter their password. This is an example of which of the following?

- A. Two-factor authentication
- B. Network access control
- C. Multifactor authentication
- D. Single sign-on

Answer: D

NEW QUESTION 527

- (Exam Topic 5)

Which of the following characteristics allows an 802.11g WAP to have transfer speeds up to 108Mbps?

- A. MIMO technology
- B. Channel bonding
- C. Encryption type
- D. Frequency

Answer: B

NEW QUESTION 530

- (Exam Topic 5)

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 535

- (Exam Topic 5)

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 540

- (Exam Topic 5)

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 544

- (Exam Topic 5)

A network technician is troubleshooting intermittent issues with VoIP call quality. A throughput tester can help assess the functionality of which of the following?

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

Answer:

C

NEW QUESTION 548

- (Exam Topic 5)

A technician installs a wireless router on an existing network by connecting it directly to the firewall. By default, the main network is a Class A network, while the wireless network is a Class C network. After the wireless router is installed, users connected to the wireless network report they are unable to connect to the Internet. Which of the following needs to be configured to BEST resolve this issue?

- A. Configure the main network to Class C
- B. Allow for duplicate IP addresses
- C. Allow the main network to handle DHCP
- D. Create a spanning tree to prevent switching loops

Answer: C

NEW QUESTION 549

- (Exam Topic 5)

Which of the following tools would a technician use to determine if a CAT6 cable is properly terminated?

- A. Cable tester
- B. Punch down tool
- C. Crimper
- D. Multimeter

Answer: A

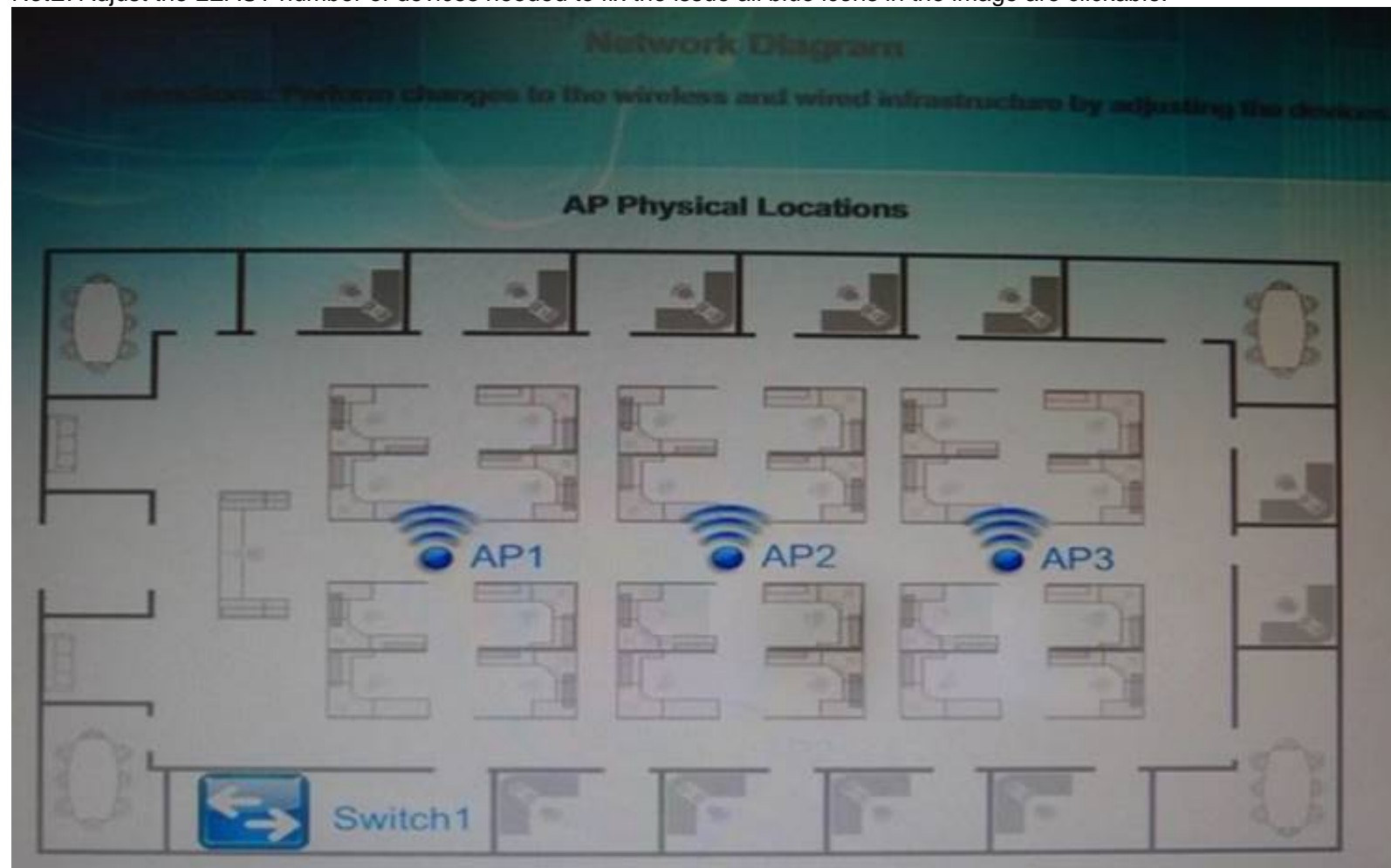
NEW QUESTION 550

- (Exam Topic 5)

Wireless network users recently began experiencing speed and performance issues after access point 2 (AP2) was replaced due to faulty hardware. The original network was installed according to a consultant's specifications and has always worked without a problem.

You a network technician, have been tasked with evaluating the situation and resolving the issues to improve both performance and connectivity. Refer to the following diagram and perform any Necessary changes to the wireless and wired infrastructure by adjusting devices.

NotE. Adjust the LEAST number of devices needed to fix the issue all blue icons in the image are clickable.



http://ap1.setup.do

Wireless AP Configuration Settings

Basic Configuration

Access Point Name:

IP Address: /

Gateway:

SSID:

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode:

Channel:

Wired

Speed: ☐ Auto ☒ 100 ☐ 1000

Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase:

http://ap2.setup.do

Wireless AP Configuration Settings

Basic Configuration

Access Point Name:

IP Address: /

Gateway:

SSID:

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode:

Channel:

Wired

Speed: ☒ Auto ☐ 100 ☐ 1000

Duplex: ☒ Auto ☐ Half ☐ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase:

Wireless AP Configuration Settings

Basic Configuration

Access Point Name: AP3

IP Address: 192.168.100.153 / 24

Gateway: 192.168.100.1

SSID: CorpNET

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode: G

Channel: 11

Wired

Speed: ☐ Auto ☒ 100 ☐ 1000

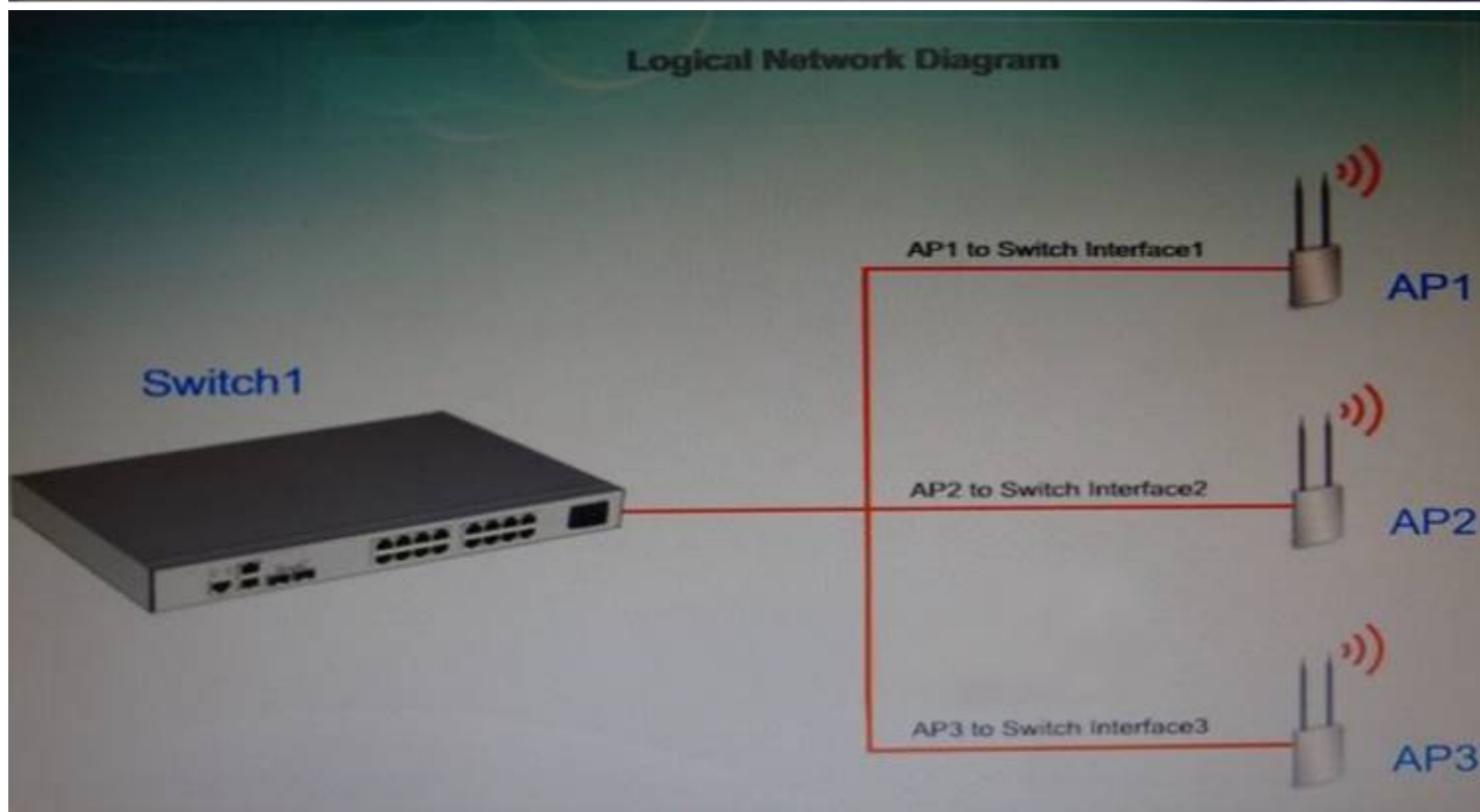
Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase: 123456789b

Reset Submit



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

AP2 configuration is not correct. The wireless mode should be 'G' and channel should be '11'. For the wired interface, the speed should be set to 100 and duplex to 'Full'. Click 'Submit'.

NEW QUESTION 553

- (Exam Topic 5)

Which of the following security methods is used to attract users attempting to gain unauthorized access to various systems within a single network?

- A. Network based IDS
- B. Firewall
- C. Network based IPS
- D. Honeynet

Answer: D

NEW QUESTION 558

- (Exam Topic 5)

A client's computer is unable to access any network resources. Which of the following utilities can a technician use to determine the IP address of the client's machine?

- A. ipconfig
- B. nslookup
- C. dig
- D. tracert

Answer: A

NEW QUESTION 562

- (Exam Topic 5)

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 567

- (Exam Topic 5)

Which of the following cable types is unshielded?

- A. STP
- B. Twinax
- C. UTP
- D. Coax

Answer: C

NEW QUESTION 569

- (Exam Topic 5)

Which of the following cables has a hard plastic cross inside the cable to separate each pair of wires?

- A. Coaxial
- B. CAT3
- C. CAT5
- D. CAT6a

Answer: D

NEW QUESTION 572

- (Exam Topic 5)

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 574

- (Exam Topic 5)

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 575

- (Exam Topic 5)

Which of the following network topologies is MOST commonly used by online file sharing websites?

- A. Point to multipoint
- B. Peer-to-peer
- C. Ring
- D. Hybrid

Answer: B

NEW QUESTION 577

- (Exam Topic 5)

Management wants to be sure that the existing wiring infrastructure conforms to CAT5e standards. Which of the following is the correct tool?

- A. Cable certifier
- B. Cable tester
- C. OTDR
- D. Protocol analyzer

Answer: A

NEW QUESTION 580

- (Exam Topic 5)

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

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

Answer: C

NEW QUESTION 581

- (Exam Topic 5)

Which of the following provides the STRONGEST security for a tunneled connection over the Internet?

- A. RDP
- B. SMTP
- C. RAS
- D. IPSec

Answer: D

NEW QUESTION 583

- (Exam Topic 5)

A company has attempted to introduce a new major network segment to allow growth in capacity. On the core switch, a GBIC was used to interconnect with a newly placed downstream distribution switch for the first time. Soon after this implementation, a network flood and an outage occurred between the core and new distribution network modules. Which of the following should the network administrator troubleshoot FIRST in order to rectify the issue?

- A. Check for switching loops between core and distribution switches.
- B. Check whether an incorrect VLAN has been assigned to the new distribution switch.
- C. Check for inconsistent or missing routes between the core and distribution switches.
- D. Check whether the GBIC was set to multi-mode instead of single-mode SFP.

Answer: A

NEW QUESTION 584

- (Exam Topic 5)

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 586

- (Exam Topic 5)

A new monitoring device is installed in the network that uses ping to determine whether critical network Internet routers are up. After three missing pings, the alarm reports the device is down. The device is now constantly reporting alarms, yet there are no reported Internet problems from users. Which of the following is the MOST likely cause?

- A. A missing route on the alarm device.
- B. Incorrect VLAN assignment on the router.
- C. A missing route on the network routers.
- D. Incorrect speed/duplex setting on the alarm device.

Answer: D

NEW QUESTION 587

- (Exam Topic 5)

Which of the following types of connectors is used with a CAT6 Ethernet cable?

- A. RJ-45
- B. BNC
- C. RJ-11

D. DB-9

Answer: A

NEW QUESTION 591

- (Exam Topic 5)

Some visitors are unable to access the wireless network. The network’s wireless infrastructure is comprised of three different buildings with the configurations listed below. Wireless network in Building A and C is used exclusively for internal employees and Building B is used for visitors and requires no additional configuration on their devices. Which of the following settings would need to be modified to provide wireless access to all visitors?

Building ABuilding BBuilding C

Channel: 2Channel: 6Channel: 11

Encryption: WPA2Encryption: WPA2Encryption: WPA2

- A. Encryption set to Open in all Buildings
- B. Encryption set to Open in Building B
- C. Encryption set to WEP in Building B
- D. Channel set to 11 in Building B

Answer: B

NEW QUESTION 592

- (Exam Topic 5)

Which of the following is a square shaped fiber connector that is slightly smaller than a standard copper network cable connector?

- A. BNC
- B. FSMA
- C. MT-RJ
- D. ST

Answer: C

NEW QUESTION 595

- (Exam Topic 5)

Drag and drop the following maximum speeds to their corresponding wireless standards. Tokens can be used more than once.

Wireless Standard	Maximum Speed
802.11a	<div></div> <div>10Mbps</div>
802.11b	<div></div> <div>11Mbps</div>
802.11g	<div></div> <div>54Mbps</div>
802.11n	<div></div> <div>56Mbps</div>
	<div></div> <div>>100Mbps</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Wireless Standard	Maximum Speed	
802.11a	54Mbps	10Mbps
802.11b	11Mbps	11Mbps
802.11g	54Mbps	54Mbps
802.11n	>100Mbps	56Mbps
		>100Mbps

NEW QUESTION 597

- (Exam Topic 5)

The cost of installing fiber cable in a factory environment is too high. Which of the following cables should be used to minimize the effect of EMI?

- A. CAT6
- B. UTP
- C. Coaxial
- D. Crossover

Answer: C

NEW QUESTION 601

- (Exam Topic 5)

Assigning IP addresses from a pool of predetermined available addresses is the role of which of the following network appliances?

- A. RADIUS
- B. DNS
- C. DHCP
- D. IDS

Answer: C

NEW QUESTION 602

- (Exam Topic 5)

A user reports sporadic network outages. The user tells the administrator it happens after approximately 20 minutes of work on an application. The administrator should begin troubleshooting by checking which of the following?

- A. The IDS server logs
- B. The DNS resolution time
- C. The firewall's blocked logs
- D. The patch cable

Answer: D

NEW QUESTION 607

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

JK0-023 Practice Exam Features:

- * JK0-023 Questions and Answers Updated Frequently
- * JK0-023 Practice Questions Verified by Expert Senior Certified Staff
- * JK0-023 Most Realistic Questions that Guarantee you a Pass on Your First Try
- * JK0-023 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The JK0-023 Practice Test Here](#)