CompTIA

Exam Questions JK0-023

CompTIA Network+ certification

NEW QUESTION 1
- (Exam Topic 1)
Which of the following differentiates a layer 3 switch from a layer 2 switch?

A. Routing
B. Bridging
C. Switching
D. Repeating

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)
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 4
- (Exam Topic 1)
Lisa, an administrator, attempts to open a web page and sees the following error: 'Error 404: Page not found'. She then uses the ping command and finds that the default gateway cannot be pinged. At which of the following layers does the problem MOST likely reside?

A. Layer 1
B. Layer 4
C. Layer 5
D. Layer 7

Answer: A

NEW QUESTION 5
- (Exam Topic 1)
The protocols that use a three way handshake to transfer information can be found within which layer of the OSI model?

A. Layer 2
B. Layer 3
C. Layer 4
D. Layer 5

Answer: C

NEW QUESTION 6
- (Exam Topic 1)
Which of the following would be used to run an instance of a Layer 2 device within an application?

A. Virtual switch
B. Virtual router
C. Virtual PBX
D. NaaS

Answer: A

NEW QUESTION 7
- (Exam Topic 1)
Which of the following DNS record types provides the hostname to IP address mapping?

A. A record
B. NS record
C. CNAME record
D. MX record

Answer: A

NEW QUESTION 8
- (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 9
- (Exam Topic 1)
Which of the following protocols is used by the ping command?

A. SMTP
B. ICMP
C. TFTP
D. ARP

Answer: B

NEW QUESTION 10
- (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 10
- (Exam Topic 1)
A user is unable to open up websites on the Internet from a browser. The administrator determines that the workstation can ping its local gateway, but not the remote web server. At which of the following layers of the OSI model does the problem MOST likely exist?

A. Data link
B. Network
C. Session
D. Physical

Answer: B

NEW QUESTION 14
- (Exam Topic 1)
The TCP/IP application layer contains which of the following OSI layers?

A. Layers 1,5,6,7
B. Layers 4,7
C. Layers 5,6,7
D. Layer 7

Answer: C

NEW QUESTION 19
- (Exam Topic 1)
A network technician is troubleshooting a user's connectivity problem, and has determined a probable cause. The technician is at which step in the troubleshooting methodology?

A. Verify full system functionality
B. Identify the problem
C. Establish a theory
D. Implement the solution

Answer: C

NEW QUESTION 20
- (Exam Topic 1)
Which of the following virtual components maintains a MAC-to-port forwarding table?

A. Virtual PBX

B. Virtual desktop
C. Virtual switch
D. Virtual server

Answer: C

NEW QUESTION 23
- (Exam Topic 1)
A technician has resolved a ticket to fix a user's printer and has verified that the user is able to print with no issues. Which of the following action steps should the technician perform FIRST?

A. Document findings and outcomes
B. Establish a theory of probably cause
C. Upgrade the printer drivers
D. Close out the service ticket

Answer: A

NEW QUESTION 26
- (Exam Topic 1)
The BEST way to determine the next hop of a packet is to check the:

A. link state
B. routing table
C. routing metrics
D. convergence

Answer: B

NEW QUESTION 27
- (Exam Topic 1)
Which IEEE protocol is used with VLAN technology?

A. 802.11a
B. 802.11b
C. 802.1m
D. 802.1q

Answer: D

NEW QUESTION 29
- (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 33
- (Exam Topic 1)
Which of the following is a public class C IP address?

A. 4.2.2.2
B. 194.178.12.54
C. 175.35.46.60
D. 192.168.1.34

Answer: B

NEW QUESTION 35
- (Exam Topic 1)
Which of the following DNS records would a web browser access to determine the IP address of an Internet web page?

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

Answer: B

NEW QUESTION 37
- (Exam Topic 1)

Which of the following protocols uses port 3389 by default?

A. RDP
B. TFTP
C. IMAP
D. DNS

Answer: A

NEW QUESTION 38
- (Exam Topic 1)
A firewall that operates at Layer 7 of the OSI model is known as a(n):

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

Answer: C

NEW QUESTION 43
- (Exam Topic 1)
Which of the following layers of the OSI model is responsible for stripping the TCP port information before sending the packet up to the next layer?

A. 2
B. 3
C. 4
D. 5

Answer: C

NEW QUESTION 44
- (Exam Topic 1)
A company is about to install a second network connection with a new ISP. Which of the following routing protocols is the BEST choice?

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

Answer: B

NEW QUESTION 48
- (Exam Topic 1)
Creating a uniform user environment throughout the network can BEST be achieved by using which of the following?

A. Honeypots
B. Virtual switches
C. Virtual PBX
D. Virtual desktops

Answer: D

NEW QUESTION 50
- (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 55
- (Exam Topic 1)
Which of the following DNS record types will be used for mail transfer if the MX record is not found?

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

Answer: B

NEW QUESTION 58

- (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 59
- (Exam Topic 1)
Which of the following would Kim, a technician, use in voice over IP communications?

A. SNTP
B. SCP
C. SMTP
D. SIP

Answer: D

NEW QUESTION 62
- (Exam Topic 1)
Which protocol is represented by the packet capture below? UDP 0.0.0.0:68 -> 255.255.255.255:67

A. DHCP
B. FTP
C. SNMP
D. DNS

Answer: A

NEW QUESTION 63
- (Exam Topic 1)
Which of the following protocols does DNS utilize on port 53?

A. TCP
B. FTP
C. RTP
D. ICMP

Answer: A

NEW QUESTION 68
- (Exam Topic 1)
A technician is developing a shortcut sheet for the network to be able to assist in future troubleshooting scenarios. Which of the following should the network devices have to ease manageability efforts?

A. MAC spoofing
B. Dynamic IPs
C. MAC filtering
D. Static IPs

Answer: D

NEW QUESTION 71
- (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 75
- (Exam Topic 1)
Which of the following are considered unsecure access methods? (Select TWO).

A. FTP
B. IPSec
C. RCP
D. SCP

E. SFTP

Answer: AC

NEW QUESTION 77
- (Exam Topic 1)
Which of the following is the definition of a DNS server?

A. Hosts proprietary business applications
B. Translates FQDN's to IP addresses
C. Provides network IDS/IPS security
D. Assigns IP addresses to network devices

Answer: B

NEW QUESTION 78
- (Exam Topic 1)
Which of the following protocols would Lisa, a technician, use to disable switch ports automatically to prevent switching loops?

A. RIP
B. OSPF
C. STP
D. EGP

Answer: C

NEW QUESTION 83
- (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 84
- (Exam Topic 1)
A technician has spent most of the day replacing a server running DHCP. Some of the users have begun to call the help desk stating that Internet connection stopped working even after rebooting. Upon investigation, the users' PCs with issues all have IP addresses that start with 169.254.x.x. The technician completes the replacement and powers on the new DHCP server. Which of the following is the BEST way to provide the PCs with issues a new IP address?

A. Statically assign a legitimate IP address, and then set the PCs' NICs to DHCP
B. Inform each user to replace 169.254 with 192.168
C. Wait five minutes until the PC resends a DHCP request
D. Run netstat on each PC and then reboot into safe mode

Answer: C

NEW QUESTION 87
- (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 89
- (Exam Topic 1)
A user reports that they are unable to connect to the network. Upon further investigation, a technician notices that the user has an IP address/subnet mask combination of 192.168.204.255/24. The default gateway for the network is 192.168.204.254. Which of the following could the user's IP address be changed to so that they could connect to the network?

A. 192.168.204.0/27
B. 192.168.204.1/27
C. 192.168.204.112/24
D. 192.168.204.254/24

Answer: C

NEW QUESTION 90

- (Exam Topic 1)
Which of the following protocols are used to view and send mail from a local host off of a remote server? (Select TWO).

A. TFTP
B. SNMP
C. POP3
D. IMAP4
E. SFTP

Answer: CD

NEW QUESTION 92
- (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 95
- (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 99
- (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 101
- (Exam Topic 1)
At which of the following layers do IP addresses exist?

A. TCP/IP model Internet layer
B. OSI model Data Link layer
C. TCP/IP model Transport layer
D. OSI model Physical layer

Answer: A

NEW QUESTION 105
- (Exam Topic 1)
Which of the following DNS records would be queried to locate a company's mail server?

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

Answer: B

NEW QUESTION 107
- (Exam Topic 1)
At which layer of the OSI and TCP/IP model would HTTP and FTP be found?

A. Application
B. Network
C. Session
D. Data Link

Answer: A

NEW QUESTION 110
- (Exam Topic 1)
Hubs are differentiated from switches in that between the two, only hubs have:

A. A single collision domain.
B. A single broadcast domain.
C. Multiple collision domains.
D. Multiple broadcast domains.

Answer: A

NEW QUESTION 111
- (Exam Topic 1)
The MAC address of a network device is used to communicate at which of the following OSI layers?

A. Layer 1
B. Layer 2
C. Layer 4
D. Layer 5

Answer: B

NEW QUESTION 114
- (Exam Topic 1)
Which of the following routing protocols can be utilized as both an IGP and EGP?

A. EIGRP
B. RIP
C. IGRP
D. RIPv2

Answer: A

NEW QUESTION 119
- (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 123
- (Exam Topic 1)
Which of the following is the minimum subnet mask to allow 172.16.1.5 and 172.16.4.3 to be on the same subnet?

A. /19
B. /21
C. /22
D. /24

Answer: B

NEW QUESTION 124
- (Exam Topic 1)
Data arranged into packets would be on which of the following layers of the OSI model?

A. Datagram
B. Transport
C. Presentation
D. Network

Answer: D

NEW QUESTION 129
- (Exam Topic 1)
After Kurt, a technician, has established a plan of action to resolve the problem, which of the following steps should he perform NEXT?

A. Establish a theory of probable cause.
B. Implement preventative measures.
C. Verify full system functionality.
D. Implement the solution or escalate as necessary.

Answer: D

NEW QUESTION 134
- (Exam Topic 1)
Which of the following records allows for reverse DNS lookups?

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

Answer: C

NEW QUESTION 136
- (Exam Topic 1)
A bridge handles frames at which of the following layers of the OSI model?

A. Network
B. Session
C. Transport
D. Data Link

Answer: D

NEW QUESTION 140
- (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 143
- (Exam Topic 1)
An administrator is using a packet sniffer to try to determine what is causing the traffic on the network. The administrator sees a lot of packets on port 25. Which of the following traffic types is MOST likely using port 25?

A. SMTP
B. SSH
C. DNS
D. TELNET

Answer: A

NEW QUESTION 144
- (Exam Topic 1)
Which of the following uses distance vector algorithms to determine the BEST network route to a destination address?

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

Answer: D

NEW QUESTION 147
- (Exam Topic 1)
Which of the following ports would have to be allowed through a firewall to allow SNMP traffic to pass on its default port? (Select TWO).

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

Answer: DE

NEW QUESTION 151
- (Exam Topic 1)
Which of the following would Joe, a technician, use for a service that needs fast communication and is unaffected by packet loss?

A. UDP
B. ARP
C. ICMP
D. TCP

Answer: A

NEW QUESTION 153
- (Exam Topic 1)
Which of the following protocols uses port 3389?

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

Answer: D

NEW QUESTION 155
- (Exam Topic 1)
Which of the following OSI model layers is used for logical addressing?

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

Answer: C

NEW QUESTION 159
- (Exam Topic 1)
Which of the following layers of the OSI model maps to the Network Interface layer of the TCP stack? (Select TWO).

A. Physical
B. Session
C. Data Link
D. Network
E. Transport

Answer: AC

NEW QUESTION 160
- (Exam Topic 1)
Joe has a small office and is looking to replace his phone system with a lower cost solution that requires minimal in-house support. Which of the following is the BEST choice?

A. Wide Area Network
B. NAT
C. Virtual PBX
D. Virtual LAN

Answer: C

NEW QUESTION 161
- (Exam Topic 1)
A user is having difficulty connecting a laptop to the company's network via a wireless connection. The user can connect to the network via a wired NIC. The technician thinks the user's wireless NIC has failed. Which of the following network troubleshooting methodology steps should the technician perform NEXT?

A. Test the theory to determine the cause.
B. Implement the solution or escalate as necessary.
C. Establish a plan of action to resolve the problem.
D. Re-establish new theory or escalate.

Answer: A

NEW QUESTION 162
- (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 165
- (Exam Topic 1)
In which of the following layers of the OSI model would MAC addressing be found?

A. Network
B. Application
C. Data Link
D. Transport

Answer: C

NEW QUESTION 166
- (Exam Topic 1)
Which of the following network protocols is used to resolve FQDNs to IP addresses?

A. DNS
B. FTP
C. DHCP
D. APIPA

Answer: A

NEW QUESTION 167
- (Exam Topic 1)
Zach, a network administrator, is responding to a support ticket. The ticket does not have enough information to determine the problem. Which of the following should Zach perform FIRST before responding to the ticket?

A. Determine if anything has changed.
B. Test a theory to determine a cause.
C. Establish a plan of action to resolve the problem.
D. Escalate the problem if necessary.

Answer: A

NEW QUESTION 171
- (Exam Topic 1)
Which of the following ports are MOST commonly used to interactively configure a networking device? (Select TWO).

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

Answer: BC

NEW QUESTION 172
- (Exam Topic 1)
Joe, a technician, has identified a problem, established and confirmed a theory, and has attempted to resolve the problem. Joe, however, does not appear to have the rights to make the needed changes. Which of the following should he do NEXT?

A. Re-establish a new theory.
B. Gather more information.
C. Establish a plan of action.
D. Escalate the problem.

Answer: D

NEW QUESTION 173
- (Exam Topic 1)
Which of the following protocols is MOST commonly associated with VoIP?

A. LDAP
B. HTTPS
C. SIP
D. SCP

Answer: C

NEW QUESTION 177
- (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 178
- (Exam Topic 1)
Which of the following is a link state routing protocol?

A. RIPv2
B. BGP
C. IS-IS
D. RIP

Answer: C

NEW QUESTION 179
- (Exam Topic 1)
A company's database software runs in the cloud. The device hosting the software is an example of which of the following?

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

Answer: A

NEW QUESTION 180
- (Exam Topic 1)
Which of the following uses types and codes rather than ports?

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

Answer: B

NEW QUESTION 185
- (Exam Topic 1)
Which of the following exterior routing protocols uses an algorithm to determine the quickest route to a destination?

A. RIP
B. OSPF
C. BGP
D. RIPv2

Answer: C

NEW QUESTION 187
- (Exam Topic 1)
Which of the following is the usual number of bits for the host identifier part of an IPv6 address?

A. 16
B. 32
C. 48
D. 64

Answer: D

NEW QUESTION 191
- (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 193
- (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 194
- (Exam Topic 1)
A web server that provides shopping cart capabilities for external end users will likely function with which of the following protocols?

A. HTTPS
B. POP3
C. SSH
D. SMTP

Answer: A

NEW QUESTION 198
- (Exam Topic 1)
Which of the following ports is the default telnet port?

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

Answer: D

NEW QUESTION 199
- (Exam Topic 1)
A crossover cable is MOST commonly associated with which of the following layers of the OSI model?

A. Session
B. Application
C. Network
D. Physical

Answer: D

NEW QUESTION 204
- (Exam Topic 1)
Which of the following is a reason to use dynamic DNS?

A. The host IP address is not listed in the firewall.
B. The host IP address is assigned by DHCP.
C. Static routes cannot be used on the host network.
D. A third-party certificate is being used.

Answer: B

NEW QUESTION 208
- (Exam Topic 1)
The application layer in the TCP/IP model is comparable to which of the following layers in the OSI model?

A. Layer 2
B. Layer 5
C. Layer 6
D. Layer 7

Answer: D

NEW QUESTION 212
- (Exam Topic 1)
Which of the following OSI layers BEST describes where an HTTP proxy operates?

A. Transport
B. Application
C. Presentation
D. Session

Answer: B

NEW QUESTION 215
- (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 218
- (Exam Topic 1)
Kim, a network technician, is troubleshooting a problem and has just established a plan of action to resolve the problem. Which of the following is the NEXT step in the troubleshooting methodology?

A. Verify full system functionality and if applicable implement preventative measures.
B. Implement the solution or escalate as necessary.
C. Document findings, actions, and outcomes.
D. Establish a theory of probable cause (e.
E. question the obvious).

Answer: B

NEW QUESTION 222
- (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 223
- (Exam Topic 2)
Which of the following is a packet switching WAN technology?

A. Frame relay
B. T1
C. Asynchronous transfer mode
D. ISDN

Answer: A

NEW QUESTION 225
- (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 226
- (Exam Topic 2)
Which of the following defines the pinout of an 8P8C eight pin modular jack for a CAT6a cable?

A. 568B
B. RJ-11
C. RJ-45
D. RS-232

Answer: A

NEW QUESTION 227
- (Exam Topic 2)
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 228
- (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 231
- (Exam Topic 2)
Which of the following standards can operate at 40MHz channel spacing?

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

Answer: D

NEW QUESTION 236
- (Exam Topic 2)
Which of the following technologies is used on cellular networks?

A. Ethernet
B. CDMA
C. CSMA/CA
D. POTS

Answer: B

NEW QUESTION 241
- (Exam Topic 2)
Zach, an administrator, needs to install a new 100 foot (30 meter) cable run from an IDF switch to the MDF, through a room that has a large number of motors. Which of the following would be the BEST cable type to choose?

A. CAT3
B. STP
C. Coaxial
D. Fiber

Answer: D

NEW QUESTION 244
- (Exam Topic 2)
Which of the following types of technologies should be used to provide a MAXIMUM 10 GB speed to a multi-mode fiber network?

A. 10GBaseER
B. 10GBaseSR
C. 10GBaseTX
D. 10GBaseT

Answer: B

NEW QUESTION 247
- (Exam Topic 2)
Which of the following is rated for speeds over 800Mbps?

A. Coaxial
B. DB-9
C. CAT6
D. CAT5e

Answer: C

NEW QUESTION 249
- (Exam Topic 2)
The phone company has provided a channelized T1 line. Which of the following should this line be connected to?

A. Switch
B. CSU/DSU
C. IDF
D. MDF

Answer:

B

NEW QUESTION 252
- (Exam Topic 2)
Which of the following sizes is the fixed cell length in ATM?

A. 8 bytes
B. 53 bytes
C. 64 kilobytes
D. 128 kilobytes

Answer: B

NEW QUESTION 256
- (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 258
- (Exam Topic 2)
A network administrator tests a multimode fiber cable from end-to-end on a new link that is down and notices that the dB loss is -.09. Which of the following is the MOST likely cause?

A. TXRX reversed
B. dB loss too high
C. dB loss too low
D. Bad connectors

Answer: A

NEW QUESTION 261
- (Exam Topic 2)
In the event of a fire in an office building, which of the following cable types should be installed to prevent toxic gas from burning PVC cable coatings?

A. CAT6a
B. Plenum
C. Crossover
D. STP

Answer: B

NEW QUESTION 262
- (Exam Topic 2)
Which of the following has the HIGHEST data rate speed?

A. T1
B. ADSL
C. SDSL
D. OC-3

Answer: D

NEW QUESTION 264
- (Exam Topic 2)
In which of the following would Sandy, a technician, find the LARGEST number of 110 block patch panels?

A. MDF
B. Caching engines
C. Demarc
D. IDF

Answer: A

NEW QUESTION 265
- (Exam Topic 2)
Which of the following cable types is MOST commonly used with POTS?

A. CAT3
B. Multimode
C. CAT6

D. Coaxial

Answer: A

NEW QUESTION 267
- (Exam Topic 2)
Karen, a technician, is installing network cables for an office building. Some of the cables are not showing active on the switch even when moved to different ports. Which of the following is MOST likely the cause?

A. Port speed mismatch
B. Faulty F-connectors
C. Bad wiring
D. Bad switch

Answer: C

NEW QUESTION 270
- (Exam Topic 2)
Which of the following is the FASTEST Ethernet technology?

A. 10GBaseSR
B. 10BaseT
C. 100BaseFX
D. 1000BaseT

Answer: A

NEW QUESTION 272
- (Exam Topic 2)
After a new user moves furniture into a cubicle, the computer does not connect to the network any longer. Which of the following would be the MOST likely reason? (Select TWO).

A. Bad Ethernet switch port
B. TX/RX reversed
C. Bad connectors
D. Bad patch cable
E. Mismatched MTU

Answer: CD

NEW QUESTION 277
- (Exam Topic 2)
Kim, an administrator, is attempting to connect a laptop to a server via RJ-45 ports on both a device and a CAT5 patch cable. All of the IP settings have been verified to be correct, yet there is a connectivity problem. Which of the following would MOST likely fix the IP connectivity problem?

A. Wires 1, 2 and 3, 6 need to be swapped on one end of the connecting cable.
B. Use the DB-9 port with a DB-9 to RJ-45 adapter on the server.
C. Manually adjust the duplex mode on the server's link.
D. Configure the laptop to receive a DHCP address from the server, rather than manually setting one.

Answer: A

NEW QUESTION 282
- (Exam Topic 2)
Which of the following technologies can change channel widths?

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

Answer: C

NEW QUESTION 283
- (Exam Topic 2)
Which of the following can MOST likely cause intermittent connection problems with a CAT5 network cable?

A. Cable has been looped too many times.
B. Cable has a twist tie attached too close to the connector.
C. Cable is too warm.
D. Cable is run too close to a fluorescent light.

Answer: D

NEW QUESTION 285

- (Exam Topic 2)
Which of the following is the MAXIMUM rated speed for CAT5 cabling?

A. 10Mbps
B. 100Mbps
C. 1000Mbps
D. 10Gbps

Answer: B

NEW QUESTION 290
- (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 295
- (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 299
- (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 300
- (Exam Topic 2)
The network technician needs to install fiber cabling to connect two buildings less than 984 feet (300 meters) apart. Which of the following fiber types should be installed?

A. Singlemode
B. Multimode
C. Crossover
D. F-Connector

Answer: B

NEW QUESTION 302
- (Exam Topic 2)
Which of the following cable types would have the LEAST amount of EMI?

A. CAT3
B. CAT5
C. STP CAT6
D. Plenum CAT6

Answer: C

NEW QUESTION 303
- (Exam Topic 2)
In contrast to earlier Wi-Fi speeds, which of the following BEST describes the antenna and channelization properties used in 802.11n?

A. MIMO, DSSS
B. MIMO, OFDM
C. CSMA, DSSS
D. CSMA, CDMA

Answer: B

NEW QUESTION 308
- (Exam Topic 2)
Which of the following is true of a client/server topology?

A. Virtual servers are used to stream data to other remote servers
B. Servers are used to connect to centralized clients
C. Remote clients connect to a centralized server
D. Remote clients connect to each other via a virtual server

Answer: C

NEW QUESTION 312
- (Exam Topic 2)
Which of the following would the telecommunications carrier use to segregate customer traffic over long fiber links?

A. VLAN
B. MPLS
C. VPN
D. PSTN

Answer: B

NEW QUESTION 314
- (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 315
- (Exam Topic 2)
The wireless network inside a large training room has been saturated with client requests. Most of the client requests are coming from smartphones and laptops. The network technician has been tasked with increasing the performance of the wireless access point. Which of the following would BEST accomplish this?

A. Switch the channel
B. Change frequencies
C. Channel bonding
D. Increase the signal

Answer: C

NEW QUESTION 320
- (Exam Topic 2)
Which of the following standards can operate at either 20MHz or 40MHz channel spacing?

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

Answer: D

NEW QUESTION 324
- (Exam Topic 2)
The unit responsible for the successful shaping and transmission of a digital signal is called:

A. demarc.
B. T1 hub.
C. smart jack.
D. CSU/DSU.

Answer: D

NEW QUESTION 326
- (Exam Topic 2)
MIMO technology in the 802.11n standard provides for which of the following benefits?

A. Channel expansion
B. Gigabit wireless bandwidth
C. Multipath support
D. Channel bonding

Answer: C

NEW QUESTION 330
- (Exam Topic 2)
A user's new computer is not able to connect to the network at all. Upon further investigation, Karen, the administrator, finds that the wall jack is terminated with a 568B configuration. After locating the correct cable in the IDF, which of the following is the MOST likely cause of the problem?

A. Other end of the cable is terminated with a 568B configuration
B. Trunk port on the switch is disabled
C. Other end of the cable is terminated with a 568A configuration
D. Wall jack needs to be replaced with a smart jack

Answer: C

NEW QUESTION 335
- (Exam Topic 2)
The ISP needs to terminate the WAN connection. The connection should be located in the network server room where the company LAN equipment resides. Which of the following identifies the location?

A. Smart jack
B. MDF
C. VPN
D. 66 block

Answer: B

NEW QUESTION 339
- (Exam Topic 2)
Which of the following connectors are MOST commonly used on a POTS line?

A. RJ-45
B. MTRJ
C. DB-9
D. RJ-11

Answer: D

NEW QUESTION 342
- (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 345
- (Exam Topic 2)
Ann, a technician, is installing network cables for an office building. Some of the cables are not showing active on the switch even when moved to different ports. Which of the following is MOST likely the cause?

A. Port speed mismatch
B. Faulty F-connectors
C. Bad wiring
D. Bad switch

Answer: C

NEW QUESTION 348
- (Exam Topic 2)
Lisa, a technician, is reporting wireless transmission speeds of 300Mbps. Which of the following wireless standards is being used?

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

Answer: D

NEW QUESTION 349
- (Exam Topic 2)
Kurt, a user, is unable to logon to his domain from his desktop PC. A cable certifier is used and shows a high value of NEXT. Which of the following represents the cause?

A. Crosstalk
B. TX/RX reversed
C. Split cables
D. DB loss

Answer: A

NEW QUESTION 350

- (Exam Topic 2)
Which of the following is an example of a CSMA/CD medium?

A. WEP
B. SONET
C. Token ring
D. Ethernet

Answer: D

NEW QUESTION 354

- (Exam Topic 2)
A network administrator has just been notified about the loss of Internet connectivity. Another technician had just performed non-scheduled maintenance and mentioned that some cabling may have been moved. Which of the following MOST likely caused the loss of Internet connectivity?

A. Broadcast storm
B. TX/RX cables reversed
C. Mismatched MTU
D. Incorrect routing table

Answer: B

NEW QUESTION 357

- (Exam Topic 2)
An organization currently has CAT5e cabling throughout its office. Kim, the network technician, is troubleshooting a new CAT6 run that supports network traffic, but does not meet specification when tested with a TDR. Which of the following is MOST likely the cause?

A. Improper grounding
B. TXRX reversed
C. Incorrect termination
D. Outdated NIC drivers

Answer: C

NEW QUESTION 361

- (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 364

- (Exam Topic 2)
Which of the following wireless technologies only uses the 5GHz spectrum but reaches a theoretical throughput of only 54Mbps?

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

Answer: A

NEW QUESTION 367

- (Exam Topic 2)
A user's network connection is slow. After testing the cabling, the cable tester shows that only pins 1, 2, 3 and 6 are being used. After accurately terminating both ends, the tester displays the same results. Which of the following is the MOST likely cause?

A. DB loss on the cable
B. Interference
C. Split cable
D. Distance limitations

Answer: C

NEW QUESTION 369
- (Exam Topic 2)
Which of the following technologies can cause interference for 802.11g?

A. RADAR
B. 802.11a
C. IrDA
D. Bluetooth

Answer: D

NEW QUESTION 372
- (Exam Topic 2)
Which of the following cable types is required to run through an air duct?

A. UTP
B. Fiber
C. PVC
D. Plenum

Answer: D

NEW QUESTION 374
- (Exam Topic 2)
Lisa, an administrator, has been tasked with running cables from one office to another neighboring office by running cables over the light fixtures in the ceiling that connects them. To prevent interference, which of the following cable types should Lisa use?

A. CAT5e
B. CAT6
C. Coaxial
D. Multimode fiber

Answer: D

NEW QUESTION 379
- (Exam Topic 2)
Which of the following connectors would Kim, a technician, use only for RG-6 cables?

A. F-connector
B. MTRJ
C. RJ-45
D. RS-232

Answer: A

NEW QUESTION 382
- (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 383
- (Exam Topic 2)
Which of the following connectors is usable in SFP modules?

A. ST
B. LC
C. LX
D. SX

Answer: B

NEW QUESTION 388
- (Exam Topic 2)
CAT6 Ethernet cabling has a rated maximum transmission capability of:

A. 10Mbps
B. 100Mbps
C. 20,000Mbps
D. 10,000Mbps

Answer: D

NEW QUESTION 390
- (Exam Topic 2)
A technician has been dispatched to investigate connectivity problems of a recently renovated office. The technician has found that the cubicles were wired so that the network cables were run inside the conduit with the electrical cabling. Which of the following would MOST likely resolve the connectivity issue?

A. Power-cycle the computers and switches to re-establish the network connection.
B. Re-run the network cabling through the ceiling alongside the lights to prevent interference.
C. Test the wiring in the network jacks for faults using a cable verifier.
D. Re-run the network cabling so that they are 12 inches or more away from the electrical lines.

Answer: D

NEW QUESTION 395
- (Exam Topic 2)
An administrator would like to get more speed out of a wireless network. The administrator decides to configure the AP with a frequency width of 40MHz. Which of the following features is the administrator MOST likely using?

A. MIMO
B. AP isolation
C. Channel bonding
D. Burst mode

Answer: C

NEW QUESTION 396
- (Exam Topic 2)
Which of the following defines a rack located in an office building between the main rack and other office equipment?

A. DSU
B. MDF
C. CSU
D. IDF

Answer: D

NEW QUESTION 398
- (Exam Topic 2)
Which of the following connectors is used for coaxial copper cable?

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

Answer: A

NEW QUESTION 401
- (Exam Topic 2)
Which of the following connectors would be found on a fiber optic cable?

A. BNC
B. RJ-11
C. RS-232
D. MTRJ

Answer: D

NEW QUESTION 406
- (Exam Topic 2)
Which of the following is the radio frequency and data rate for 802.11g as specified by the IEEE standards?

A. 2.0 GHz at 33 Mbps
B. 2.4 GHz at 54 Mbps
C. 2.4 GHz at 128 Mbps
D. 5.0 GHz at 54 Mbps

Answer: B

NEW QUESTION 409
- (Exam Topic 2)
Which of the following supports faster wireless broadband speeds?

A. Satellite

B. WiMAX
C. ISDN
D. OC-3

Answer: B

NEW QUESTION 414
- (Exam Topic 3)
A network technician is concerned that a user is utilizing a company PC for file sharing and using a large amount of the bandwidth. Which of the following tools can be used to identify the IP and MAC address of the user's PC?

A. System log
B. History log
C. Network sniffer
D. Nslookup

Answer: C

NEW QUESTION 418
- (Exam Topic 3)
Port scanners and packet sniffers differ in functionality because:

A. packet sniffers and port scanners are just different names for the same device.
B. packet sniffers can only log events on traffic activity and port scanners can route malicious packets.
C. packet sniffers watch all traffic over certain ports and port scanners watch traffic on certain NICs.
D. port scanners are limited to detecting open ports and packet sniffers watch all traffic.

Answer: D

NEW QUESTION 419
- (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 421
- (Exam Topic 3)
Which of the following network devices MOST likely functions as a network repeater or a bridge?

A. VPN concentrator
B. IDS
C. Access point
D. Firewall

Answer: C

NEW QUESTION 424
- (Exam Topic 3)
Which of the following is used to restrict access according to user policies?

A. Content filter
B. DHCP server
C. DNS server
D. VPN concentrator

Answer: A

NEW QUESTION 429
- (Exam Topic 3)
A security appliance is blocking a DDoS attack on the network. Which of the following logs would be used to troubleshoot the traffic patterns trying to go across the network?

A. IPS logs
B. Application logs
C. IDS logs
D. History logs

Answer: A

NEW QUESTION 430

- (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 433
- (Exam Topic 3)
A technician has traced a POTS line to a 110 block. Which of the following devices would the technician MOST likely use to see if the line carries a dial tone?

A. Toner Probe
B. Punch Down Tool
C. Protocol Analyzer
D. Butt Set

Answer: D

NEW QUESTION 435
- (Exam Topic 3)
Which of the following is the control when observing network bandwidth patterns over time?

A. Network log
B. Baseline
C. Flow data
D. Interface statistics

Answer: B

NEW QUESTION 439
- (Exam Topic 3)
Which of the following network protocols would be used to transmit traps across a network to a log server?

A. SMTP
B. PPPoE
C. POP3
D. SNMP

Answer: D

NEW QUESTION 441
- (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 446
- (Exam Topic 3)
Which of the following BEST describes a load balancer?

A. A device that splits traffic between multiple nodes of a clustered service.
B. A device that allows multiple computers to access the internet through a single public IP address.
C. A device that filters internet content based on rules and ACLs.
D. A device that separates users onto separate WAPs for even distribution.

Answer: A

NEW QUESTION 449
- (Exam Topic 3)
A technician suspects invalid information in the local DNS cache of a workstation. Which of the following commands can be used to clear this?

A. nslookup
B. ifconfig
C. dig
D. ipconfig

Answer: D

NEW QUESTION 451
- (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 456
- (Exam Topic 3)
Karen, a network technician, is troubleshooting in a wiring closet in 2011. The cabling to all the equipment does not match the documentation from 2007. Which of the following configuration management methods has been overlooked?

A. Change management
B. System logs
C. Asset management
D. Baselining

Answer: A

NEW QUESTION 461
- (Exam Topic 3)
Which of the following network appliances can BEST be described as allowing multiple servers to share requests for a website through the same public IP address?

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

Answer: C

NEW QUESTION 464
- (Exam Topic 3)
Which of the following network management tools can filter information from all data entering and leaving a specific port on the switch?

A. SNMP trap
B. Bandwidth analyzer
C. Network sniffer
D. Syslog server

Answer: C

NEW QUESTION 469
- (Exam Topic 3)
A user has network connectivity per the link lights on the NIC, but cannot access any network resources or the Internet. Which of the following commands should the technician run FIRST?

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

Answer: B

NEW QUESTION 471
- (Exam Topic 3)
An administrator is trying to retrieve management information from the network devices on their LAN. Which of the following monitoring resources provides the ability to collect this information encrypted over the network?

A. SNMPv3
B. VTP
C. CDP
D. IPSec

Answer: A

NEW QUESTION 476
- (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 481
- (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 486
- (Exam Topic 3)
Which of the following would be used to identify terminations in a punch block for which the wiring diagram has been lost?

A. OTDR
B. Protocol analyzer
C. Toner probe
D. TDR

Answer: C

NEW QUESTION 489
- (Exam Topic 3)
Which of the following is a terminal emulator used to manage a network device?

A. VPN
B. IDS
C. PuTTY
D. IPS

Answer: C

NEW QUESTION 494
- (Exam Topic 3)
Which of the following uses a Management Information Base (MIB) to monitor the network?

A. History Logs
B. Syslog
C. SMTP
D. SNMP

Answer: D

NEW QUESTION 499
- (Exam Topic 3)
Which of the following network scanners detects and sends out alerts for malicious network activity?

A. Packet sniffers
B. IDS
C. Port scanners
D. IPS

Answer: B

NEW QUESTION 500
- (Exam Topic 3)
Two duplicate pieces of equipment can be used in conjunction for which of the following purposes? (Select TWO).

A. High availability
B. Fault tolerance
C. Reduce latency
D. Wi-MAX
E. CARP

Answer: AB

NEW QUESTION 502
- (Exam Topic 3)
An organization finds that most of the outgoing traffic on the network is directed at several Internet sites
viewed by multiple computers simultaneously. Which of the following performance optimization methods would BEST alleviate network traffic?

A. Load balancing internal web servers
B. Redundant network resources
C. Implement fault tolerance on the WAN
D. Implement caching engines

Answer: D

NEW QUESTION 505
- (Exam Topic 3)
A technician is troubleshooting a computer that will not connect to the Internet. The PC is connected to the network. Which of the following tools should the technician use FIRST to understand the NIC configuration?

A. Protocol analyzer
B. ipconfig
C. nslookup
D. tracert

Answer: B

NEW QUESTION 507
- (Exam Topic 3)
Teachers and students at a school currently share the same bandwidth. The Internet performance for the teachers in the classroom is becoming extremely slow.
Which of the following is the BEST method to mitigate the issue?

A. Increased uptime
B. Caching engines
C. Traffic shaping
D. Load balancing

Answer: C

NEW QUESTION 509
- (Exam Topic 3)
Which of the following does SNMPv3 BEST provide over previous versions?

A. Increased security
B. Simplified management
C. More data types
D. Higher productivity

Answer: A

NEW QUESTION 510
- (Exam Topic 3)
A proxy server would MOST likely be installed to provide which of the following functions? (Select TWO).

A. Combined DNS and DHCP hosting
B. Encryption
C. Content filtering
D. Fault tolerance
E. Website caching

Answer: CE

NEW QUESTION 514
- (Exam Topic 3)
Which of the following tools would a technician use to terminate CAT6 wires to the inside of the wall jack?

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

Answer: C

NEW QUESTION 517
- (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 522
- (Exam Topic 3)
A server that filters traffic between a WAN and a LAN is which of the following?

A. Proxy server
B. RAS server
C. Default gateway
D. Email server

Answer: A

NEW QUESTION 525
- (Exam Topic 3)
Which of the following syslog severity codes indicates an emergency and that the system is unusable?

A. 1
B. 6
C. 7

Answer: A

NEW QUESTION 530
- (Exam Topic 3)
Users are reporting wired connectivity drops in a new office with brand new CAT6 infrastructure. Which of the following tools should a technician use to BEST troubleshoot this issue?

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

Answer: D

NEW QUESTION 533
- (Exam Topic 3)
An administrator edits the network firewall configuration. After editing the configuration, the administrator logs the date and time of the edit and why it was performed in the firewall documentation. Which of the following BEST describes these actions?

A. Asset management
B. Baselines
C. Network maps
D. Change management

Answer: D

NEW QUESTION 536
- (Exam Topic 3)
Kim, a network technician, needs to identify the MAC address of a device that is creating broadcast storms on the network. Which of the following tools will provide the needed information?

A. History logs
B. Network sniffer
C. Network maps
D. Traffic shaping

Answer: B

NEW QUESTION 541
- (Exam Topic 3)
Which of the following would a network administrator recommend to satisfy fault tolerance needs within the datacenter?

A. Multimode fiber
B. Setting up a new hot site
C. Central KVM system
D. Central UPS system

Answer: D

NEW QUESTION 545
- (Exam Topic 3)
Which of the following is used to ensure traffic flows efficiently on multiple T-1 circuits?

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

Answer: D

NEW QUESTION 549
- (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 552
- (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 556
- (Exam Topic 3)
An administrator would like to decrease the load time of common websites that employees review daily. Which of the following can be installed?

A. Load balancing
B. VPN concentrator
C. Caching server
D. Fault tolerance

Answer: C

NEW QUESTION 559
- (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 560
- (Exam Topic 3)
Which of the following tools would Lisa, a technician, BEST use to trace a wire through an area where multiple wires of the same color are twisted together?

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

Answer: B

NEW QUESTION 564
- (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 569

- (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 570
- (Exam Topic 3)
A computer has lost network connectivity. The network technician determines the network cable and the cable drop are both good. Which of the following would the technician use to test the computer's NIC?

A. Cable certifier
B. Throughput tester
C. Loopback plug
D. Multimeter

Answer: C

NEW QUESTION 572
- (Exam Topic 3)
The technician is working on a DNS problem. Which of the following software tool is the technician MOST likely to use to troubleshoot this issue?

A. nslookup
B. ipconfig
C. ping
D. nbtstat

Answer: A

NEW QUESTION 576
- (Exam Topic 3)
Which of the following tools would BEST be used to verify if a network cable is properly terminated?

A. Multimeter
B. Cable certifier
C. Toner probe
D. Cable stripper

Answer: B

NEW QUESTION 580
- (Exam Topic 3)
Which of the following can be used to prioritize network streams to optimize performance for certain traffic types?

A. VLAN
B. VPN
C. QoS
D. PoE

Answer: C

NEW QUESTION 583
- (Exam Topic 3)
A network administrator suspects a broadcast storm is causing performance issues on the network. Which of the following would be used to verify this situation?

A. Environmental monitor
B. Multimeter
C. Toner probe
D. Protocol analyzer

Answer: D

NEW QUESTION 585
- (Exam Topic 3)
Which of the following basic devices blocks ports and can sometimes filter data?

A. Repeater
B. Hub
C. Firewall
D. Switch

Answer: C

NEW QUESTION 586
- (Exam Topic 3)
A company has a server with redundant power supplies. Which of the following is this an example of?

A. Traffic shaping
B. Caching engines
C. Fault tolerance
D. Load balancing

Answer: C

NEW QUESTION 589
- (Exam Topic 3)
Which of the following network appliances will only detect and not prevent malicious network activity?

A. IDS
B. Network sniffer
C. IPS
D. Firewall

Answer: A

NEW QUESTION 594
- (Exam Topic 3)
Which of the following reasons would MOST likely be used to implement QoS and traffic shaping solutions?

A. Redundancy
B. Fault tolerance
C. Unified communications
D. Data integrity requirements

Answer: C

NEW QUESTION 596
- (Exam Topic 3)
A technician is unable to easily trace physical connections within a network rack. Which of the following practices would save time in the future?

A. Change management
B. Cable management
C. Asset management
D. Setting baselines

Answer: B

NEW QUESTION 599
- (Exam Topic 3)
An administrator has set up several IPSec and SSL tunnels to terminate on a single device. Which of the following has the administrator deployed?

A. Proxy Server
B. Load Balancer
C. VPN Concentrator
D. Web-Application Firewall

Answer: C

NEW QUESTION 602
- (Exam Topic 3)
Users report that their Internet connection is slow. Zach, the network technician, has a suspicion that users are streaming video and music. Which of the following would BEST confirm Zach's theory?

A. Traffic analysis
B. SNMP
C. History logs
D. System logs

Answer: A

NEW QUESTION 603
- (Exam Topic 3)
A network administrator is reviewing logs and notices that a device with a public IP address is trying to access the web server RDP port. Which of the following tools can be used to resolve the domain of the public IP address?

A. arp
B. nslookup
C. ipconfig
D. netstat

Answer: B

NEW QUESTION 608
- (Exam Topic 3)
A VPN concentrator is used for which of the following purposes?

A. MAC filtering
B. Content filtering
C. Secure network access
D. Connectivity troubleshooting

Answer: C

NEW QUESTION 610
- (Exam Topic 3)
It has been suspected that one of the users is using the network inappropriately. As a preventive measure HR has authorized the IT department to enable port mirroring on the user's network port. Which of the following devices would be used to monitor the network activity?

A. Port analyzer
B. Multimeter
C. Network sniffer
D. Cable certifier

Answer: C

NEW QUESTION 613
- (Exam Topic 3)
Users are reporting that external web pages load slowly. The network administrator determines that the Internet connection is saturated. Which of the following is BEST used to decrease the impact of web surfing?

A. Caching
B. Load balancing
C. Port filtering
D. Traffic analyzer

Answer: A

NEW QUESTION 614
- (Exam Topic 3)
Users report that an internal web server is not responding. Which of the following commands could be used on the server to confirm that the web service is running?

A. nbtstat
B. traceroute
C. nslookup
D. netstat

Answer: D

NEW QUESTION 618
- (Exam Topic 3)
Which of the following features can BEST be used to facilitate authorized remote access to a network?

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

Answer: A

NEW QUESTION 623
- (Exam Topic 3)
Which of the following would be used on a network to ensure access to resources if a critical host becomes unavailable?

A. QoS
B. CARP
C. VLAN
D. DHCP server

Answer: B

NEW QUESTION 628
- (Exam Topic 3)
Which of the following commands can Lisa, a technician, use on a server to display the default router setting?

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

Answer: C

NEW QUESTION 633
- (Exam Topic 3)
A technician wants to send management information from devices on the network to a central server and have it encrypted in the process. Which of the following protocols can be used?

A. SNMPv3
B. FTP
C. TFTP
D. Telnet

Answer: A

NEW QUESTION 638
- (Exam Topic 3)
Karen, a technician, suspects a virus has infected the network and is using up bandwidth. She needs to quickly determine which workstation is infected with the virus. Which of the following would BEST help Karen?

A. Web server
B. Syslog
C. Network sniffer
D. SNMP

Answer: C

NEW QUESTION 643
- (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 645
- (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 649
- (Exam Topic 3)
Which of the following can assist when troubleshooting a cable that meets the 1000BaseLX specification?

A. Multimeter
B. OTDR
C. Link state
D. Protocol analyzer

Answer: B

NEW QUESTION 650
- (Exam Topic 3)
DNS lookups for a given host are intermittently failing. Which of the following would Kim, a technician, MOST likely use to verify this problem?

A. arp
B. nbtstat
C. traceroute
D. dig

Answer: D

NEW QUESTION 655
- (Exam Topic 3)
Which of the following VPN methods is BEST used for connecting a remote office to the main company office?

A. WEP-to-WPA
B. RDP-to-RAS
C. Client-to-site
D. Site-to-site

Answer: D

NEW QUESTION 656
- (Exam Topic 3)
A company has been just opened a new site in another country. Both sites share information across the WAN continuously throughout the business day. Which of the following should be implemented to ensure both sites are accessible?

A. Traffic shaping
B. QoS
C. Caching engines
D. High availability

Answer: D

NEW QUESTION 659
- (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 661
- (Exam Topic 3)
Which of the following is used to verify configuration updates on a firewall?

A. Signature identification
B. Access control lists
C. Scanning services
D. Content filtering

Answer: A

NEW QUESTION 664
- (Exam Topic 3)
Users are reporting that all of a sudden some of the files stored on the remote file server share are becoming corrupted and cannot be opened. A technician is dispatched to the server room to troubleshoot. The technician verifies that no changes to the network infrastructure occurred recently. Which of the following tools is MOST likely to reveal why files are becoming corrupted?

A. Environmental monitor
B. OTDR
C. Cable tester
D. Punch down tool

Answer: A

NEW QUESTION 666
- (Exam Topic 3)
A network administrator opens up the RDP port to access network resources from home. Several months later, the administrator's account is getting locked out constantly. After closing the port, which of the following should be used to identify the source of the attack?

A. Network maps
B. Change management
C. Log analysis
D. Protocol analyzer

Answer: C

NEW QUESTION 671
- (Exam Topic 3)
Kim, a technician, needs to test if domain name resolution is functioning properly. Which of the following software tools would she use to accomplish this? (Select TWO).

A. arp

B. dig
C. route
D. nslookup
E. netstat

Answer: BD

NEW QUESTION 673
- (Exam Topic 4)
Which of the following security appliances would be used to only analyze traffic and send alerts when predefined patterns of unauthorized traffic are detected on the network?

A. Host based IPS
B. Network based firewall
C. Signature based IDS
D. Behavior based IPS

Answer: C

NEW QUESTION 678
- (Exam Topic 4)
A company wants to only allow incoming HTTP and HTTPS traffic on their public wireless network. Which of the following port numbers should be the only allowed open ports on the firewall to accomplish this? (Select TWO).

A. 20
B. 80
C. 143
D. 443
E. 8080

Answer: BD

NEW QUESTION 680
- (Exam Topic 4)
The company requires all users to authenticate to the network with a smart card, a pin number, and a fingerprint scan. Which of the following BEST describes the user authentication being used?

A. Multi-factor authentication
B. Two-factor authentication
C. Biometrics
D. Single sign-on

Answer: A

NEW QUESTION 685
- (Exam Topic 4)
A network administrator is performing a penetration test on the WPA2 wireless network. Which of the following can be used to find the key?

A. DoS
B. Buffer overflow
C. Dictionary file
D. SQL injection

Answer: C

NEW QUESTION 688
- (Exam Topic 4)
A network administrator is considering implementation of network access restrictions based upon layer two addressing information. Which of the following describes this method of network restrictions?

A. MAC filtering
B. Port filtering
C. IP filtering
D. ACL filtering

Answer: A

NEW QUESTION 692
- (Exam Topic 4)
A firewall that examines all the incoming traffic and decides if the traffic is going to be allowed though or dumped is a example of which of the following?

A. Packet sniffing
B. Packet filter
C. Stateful inspection
D. Content filter

Answer: C

NEW QUESTION 693
- (Exam Topic 4)
A technician is implementing a wireless network at a small business. The business already has a certificate authority and RADIUS server that they would like the technician to integrate with the wireless network. Additionally, the business would like to utilize their legacy 802.11b TKIP printers. Which of the following configurations should the technician use?

A. 802.11a with WPA2-Enterprise
B. 802.11n with WPA-PSK
C. 802.11n with WPA2-PSK
D. 802.11g with WPA-Enterprise

Answer: D

NEW QUESTION 696
- (Exam Topic 4)
Which of the following should the last line of an ACL normally contain?

A. Explicit allow
B. Statically routed
C. Random access
D. Implicit deny

Answer: D

NEW QUESTION 698
- (Exam Topic 4)
Stateful packet inspection is a security technology used by which of the following devices?

A. Unmanaged switch
B. Hardware firewall
C. Bridge
D. IDS

Answer: B

NEW QUESTION 699
- (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 704
- (Exam Topic 4)
Lisa, a network administrator, wants to be able to block all already known malicious activity. Which of the following would allow her to perform this activity?

A. Behavioral Based IDS
B. Signature Based IDS
C. Behavioral Based IPS
D. Signature Based IPS

Answer: D

NEW QUESTION 707
- (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 711
- (Exam Topic 4)
Which of the following security devices is used in providing packet and MAC address filtering services for the network?

A. Host-based proxy server
B. Network-based firewall

C. IDS
D. IPS

Answer: B

NEW QUESTION 712
- (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 715
- (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 720
- (Exam Topic 4)
Which of the following is an authentication, authorization, and accounting method that provides administrative access to network devices?

A. PKI
B. TACACS+
C. CHAP
D. SSH

Answer: B

NEW QUESTION 722
- (Exam Topic 4)
Which of the following capabilities of a firewall allows Zach, an administrator, to block traffic based on key words determined by the company?

A. Stateless traffic monitor
B. Stateful traffic monitor
C. Signature identification
D. Content filter

Answer: D

NEW QUESTION 727
- (Exam Topic 4)
Sandy, 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 731
- (Exam Topic 4)
Lisa, a technician, is asked to not allow FTP traffic on a network. Which of the following ports should be blocked on the firewall to achieve this?

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

Answer: A

NEW QUESTION 733
- (Exam Topic 4)
The company is setting up a new website that will be requiring a lot of interaction with external users. The website needs to be accessible both externally and

internally but without allowing access to internal resources. Which of the following would MOST likely be configured on the firewall?

A. PAT
B. DHCP
C. DMZ
D. NAT

Answer: C

NEW QUESTION 736
- (Exam Topic 4)
Which of the following tools will scan a network for hosts and provide information on the installed operating system?

A. DOCSIS
B. NMAP
C. IMAP
D. BERT

Answer: B

NEW QUESTION 738
- (Exam Topic 4)
A network administrator is tasked with deploying a company-wide wireless system which allows for accurate tracking of employees' wireless device locations via WAP triangulation. Which of the following is the MOST important aspect of the deployment?

A. WAP placement
B. TX/RX channel
C. Signal strength
D. Transmission power

Answer: A

NEW QUESTION 739
- (Exam Topic 4)
Before installing a wireless network, which of the following should Karen, a network technician, take into consideration to reduce signal exposure for war drivers?

A. Device placement
B. MAC address filtering
C. User authentication
D. Encryption protocols

Answer: A

NEW QUESTION 744
- (Exam Topic 4)
After installing a SOHO wireless router, Joe, the network administrator, notices that all internal RFC 1918 IP addresses are being logged by an Internet web server as coming from the router's public interface IP address. Which of the following must Joe implement to assign a different public IP from the router's public interface IP address to one of the workstations in the office?

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

Answer: A

NEW QUESTION 745
- (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 750
- (Exam Topic 4)
The security measure used to reduce vulnerabilities for MOST network devices that require regular application and monitoring is:

A. Patch management.
B. Security limitations.
C. Documentation.
D. Social engineering.

Answer: A

NEW QUESTION 754
- (Exam Topic 4)
Which of the following will a firewall NOT protect the network from?

A. Intrusion
B. DDoS
C. Denial of Service
D. Spam e-mails

Answer: D

NEW QUESTION 757
- (Exam Topic 4)
Which of the following protocols works at the LOWEST layer of the OSI model?

A. L2TP
B. PPTP
C. ISAKMP
D. IPSec

Answer: A

NEW QUESTION 762
- (Exam Topic 4)
Karen, an employee, connects to a work computer from home via the built-in Windows remote desktop connection. Which of the following is she MOST likely using to establish the connection?

A. RDP
B. RTP
C. RIP
D. RAS

Answer: A

NEW QUESTION 767
- (Exam Topic 4)
The security administrator needs to restrict specific devices from connecting to certain WAPs. Which of the following security measures would BEST fulfill this need?

A. WAP placement
B. MAC address filtering
C. Content filtering
D. Encryption type and strength

Answer: B

NEW QUESTION 770
- (Exam Topic 4)
Which of the following can be configured to restrict specific ports and IP addresses from accessing the internal network? (Select TWO).

A. Layer 2 switch
B. MAC address filtering
C. ACLs
D. IIS server
E. Port scanner
F. Firewall

Answer: CF

NEW QUESTION 771
- (Exam Topic 4)
The process of restricting internal web traffic to an employee-only website based upon Layer 3 addresses is known as which of the following?

A. MAC filtering
B. Traffic shaping
C. Session filtering
D. IP filtering

Answer: D

NEW QUESTION 774
- (Exam Topic 4)
Which of the following should be mitigated by employing proper coding techniques when developing software?

A. Distributed denial of service attacks
B. Buffer overflows

C. War driving
D. Packet sniffing

Answer: B

NEW QUESTION 778
- (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 783
- (Exam Topic 4)
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 788
- (Exam Topic 4)
Which of the following performs posture assessments for unknown devices that connect to the network?

A. PKI
B. EAP
C. NAC
D. AAA

Answer: C

NEW QUESTION 789
- (Exam Topic 4)
Which of the following protocols is used by Windows to securely access a remote computer?

A. RAS
B. Telnet
C. PPP
D. RDP

Answer: D

NEW QUESTION 791
- (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 792
- (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 796
- (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 797
- (Exam Topic 4)
Which of the following is an example of asymmetric encryption?

A. PKI
B. SHA1
C. AES
D. 3DES

Answer: A

NEW QUESTION 801
- (Exam Topic 4)
A network administrator is looking to implement a solution allowing users to utilize a common password to access most network resources for an organization. Which of the following would BEST provide this functionality?

A. RADIUS
B. Single sign on
C. Multifactor authentication
D. Two-factor authentication

Answer: B

NEW QUESTION 803
- (Exam Topic 4)
An administrator needs to provide remote connectivity to server1, web traffic to server2, and FTP access to server3 using a single outside IP address. Which of the following would the administrator implement on the firewall to accomplish this?

A. Port Address Translation
B. Demilitarized Zone
C. Stateful Packet Inspection
D. Network Address Translation

Answer: A

NEW QUESTION 805
- (Exam Topic 4)
Which of the following network tools is used to identify running services on host devices?

A. IDS
B. IPS
C. Firewall
D. NMAP

Answer: D

NEW QUESTION 807
- (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 808
- (Exam Topic 4)
Which of the following uses SSL encryption?

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

Answer: C

NEW QUESTION 809
- (Exam Topic 4)
Which of the following attack types is being used if the originating IP address has been spoofed?

A. Ping flood
B. Trojan
C. Smurf
D. Worm

Answer: C

NEW QUESTION 813
- (Exam Topic 4)
Which of the following solutions will detect and disable a rogue access point?

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

Answer: C

NEW QUESTION 816
- (Exam Topic 4)
Which of the following provides RSA encryption at the session layer?

A. SSH
B. ISAKMP
C. SSL
D. TLS

Answer: C

NEW QUESTION 817
- (Exam Topic 4)
Sandy, an administrator, must connect to a remote UNIX server securely. Which of the following would be the MOST secure connection method?

A. FTP
B. PPP
C. Telnet
D. SSH

Answer: D

NEW QUESTION 818
- (Exam Topic 4)
A company wishes to have a wireless signal broadcast only through a specific stretch of a highway tunnel. Which of the following measures will accomplish this?

A. WPA encryption
B. MAC filtering
C. Changing antenna type
D. Decreasing radio strength

Answer: C

NEW QUESTION 819
- (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 822
- (Exam Topic 4)
A network administrator is setting up a WAP and wants to disable the ability of gaining access from the parking garage. Which of the following should the network administrator review?

A. Signal strength
B. SSID name

C. WPA2 encryption
D. WEP encryption

Answer: A

NEW QUESTION 824
- (Exam Topic 4)
Which of the following technologies allows multiple staff members to connect back to a centralized office?

A. Peer to Peer
B. VPN
C. PKI
D. VLAN

Answer: B

NEW QUESTION 826
- (Exam Topic 4)
Jeff, a company executive, has noticed that a wireless network signal from the company's WAP can be seen in the company's parking lot. Jeff is very worried that this is a potential security threat. Which of the following can be done to eliminate this threat?

A. Implement WEP encryption
B. Decrease signal strength
C. Change wireless channels
D. Rotate the SSID daily

Answer: B

NEW QUESTION 829
- (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 832
- (Exam Topic 4)
Which of the following security appliances are used to only identify traffic on individual systems?

A. Host based IPS
B. Application based IPS
C. Network based IDS
D. Host based IDS

Answer: D

NEW QUESTION 837
- (Exam Topic 4)
PKI is a method of user authentication which uses which of the following?

A. Various router commands
B. Access control lists
C. Certificate services
D. A RADIUS server

Answer: C

NEW QUESTION 839
- (Exam Topic 4)
An administrator determines there are an excessive number of packets being sent to a web server repeatedly by a small number of external IP addresses. This is an example of which of the following attacks?

A. DDoS
B. Viruses
C. Worms
D. Man-in-the-middle

Answer: A

NEW QUESTION 840

- (Exam Topic 4)
An attack used to find unencrypted information in network traffic is called:

A. WEP cracking.
B. Packet sniffing.
C. Ping sweep.
D. Social engineering.

Answer: B

NEW QUESTION 843
- (Exam Topic 4)
A technician needs to enter a username and password and have their fingerprint scanned to access a server. Which of following types of authentication is this an example of?

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

Answer: D

NEW QUESTION 845
- (Exam Topic 4)
A network technician is setting up a wireless access point that would only allow a certain laptop to be able to access the WAP. By using ACL, which of the following would be filtered to ensure only the authorized laptop can access the WAP?

A. NetBIOS name filtering
B. IP address filtering
C. MAC address filtering
D. Computer name filtering

Answer: C

NEW QUESTION 850
- (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 854
- (Exam Topic 4)
An administrator would like to inspect all traffic flowing over the SMTP protocol on a given network. Which of the following tools would accomplish this? (Select TWO).

A. Packet sniffer
B. Honeypot
C. Port mirroring
D. IPS
E. Port scanner
F. IDS

Answer: AC

NEW QUESTION 856
- (Exam Topic 4)
Which of the following is an example of two-factor authentication?

A. A username and PIN
B. A username and password
C. A username, password, finger print scan, and smart card
D. A username, password, and key fob number

Answer: D

NEW QUESTION 858
- (Exam Topic 4)
Which of the following is the default authentication method for a Windows client using PPP over a dialup connection?

A. TACACS+
B. WINS

C. Kerberos
D. MS-CHAP

Answer: D

NEW QUESTION 861
- (Exam Topic 5)
Multiple computers are connected to a hub near a wall plate. In order to get to the computers, students step on and around the cable that connects the teacher's station, a few feet away, to the same hub. The teacher is experiencing no network connectivity. Which of the following is MOST likely the problem?

A. Cross-talk
B. Split cables
C. Distance
D. EMI

Answer: B

NEW QUESTION 864
- (Exam Topic 5)
Which of the following wireless parameters may need to be modified when a new cordless telephone is installed?

A. Encryption type
B. SSID
C. IP address
D. Channel

Answer: D

NEW QUESTION 865
- (Exam Topic 5)
A network administrator wants to perform a test to see if any systems are passing clear text through the network. Which of the following would be used?

A. Social engineering
B. Packet sniffing
C. Rogue access point
D. Man-in-the-middle

Answer: B

NEW QUESTION 870
- (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 874
- (Exam Topic 5)
An administrator is troubleshooting analog telephony issues on the punch down block. Which of the following tools would be MOST useful in this scenario?

A. T1 loopback
B. Butt set
C. Multimeter
D. Protocol analyzer

Answer: B

NEW QUESTION 875
- (Exam Topic 5)
A technician wants to connect a new wireless router to a main network switch. Which of the following cable types would MOST likely be used to establish this connection?

A. Telephone
B. Parallel
C. Serial
D. CAT6

Answer: D

NEW QUESTION 876
- (Exam Topic 5)

A user reports that they are unable to access a new server but are able to access all other network resources. Based on the following firewall rules and network information, which of the following ACL entries is the cause?
User's IP: 192.168.5.14
Server IP: 192.168.5.17
Firewall rules:
Permit 192.168.5.16/28192.168.5.0/28
Permit 192.168.5.0/24192.168.4.0/24
Permit 192.168.4.0/24192.168.5.0/24
Deny 192.168.5.0/28192.168.5.16/28
Deny 192.168.14.0/24192.168.5.16/28
Deny 192.168.0.0/24192.168.5.0/24

A. Deny 192.168.0.0/24192.168.5.0/24
B. Deny 192.168.5.0/28192.168.5.16/28
C. Deny 192.168.14.0/24192.168.5.16/28
D. Implicit Deny rule

Answer: B

NEW QUESTION 880
- (Exam Topic 5)
A user cannot access the LAN after working successfully most of the day. Which of the following should the network administrator check FIRST?

A. VLAN settings
B. History logs
C. Patch cable
D. Port security

Answer: C

NEW QUESTION 885
- (Exam Topic 5)
Using source port numbers as a way to keep track of connections is a characteristic of which of the following protocols?

A. TCP
B. UDP
C. NAT
D. PAT

Answer: D

NEW QUESTION 887
- (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 892
- (Exam Topic 5)
Which of the following can be used to limit wireless network access to a single computer?

A. Configure PPP
B. Packet sniffing
C. MAC address filtering
D. Omni-directional antennas

Answer: C

NEW QUESTION 896
- (Exam Topic 5)
Which of the following network devices restricts traffic based on words, signatures, and URLs?

A. Layer 2 switch
B. Content filter
C. Load balancer
D. Traffic analyzer

Answer: B

NEW QUESTION 897
- (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 901
- (Exam Topic 5)
Which of the following port numbers needs to be open on a firewall to allow FTP traffic?

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

Answer: A

NEW QUESTION 902
- (Exam Topic 5)
A network technician is installing a simple SOHO router with wireless functionality. Which of the following wireless encryption standards would be BEST suited for the HIGHEST level of security?

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

Answer: A

NEW QUESTION 903
- (Exam Topic 5)
Various desktop computers are not getting a link light even though the patch cables were replaced. Cables on a 110-block patch panel are suspected to be causing the issues. Which of the following hardware tools would MOST likely be used to troubleshoot and resolve the issue? (Select TWO).

A. Cable certifier
B. Ping command
C. Punch down tool
D. Crimper
E. Toner probe

Answer: AC

NEW QUESTION 908
- (Exam Topic 5)
A user reports that some normally accessible external sites are not responding, but most other sites are responding normally. Which of the following is MOST likely the cause?

A. VLAN tag mismatch
B. Wrong subnet mask
C. Smurf attack
D. Faulty routing rule

Answer: D

NEW QUESTION 909
- (Exam Topic 5)
Zach, a technician, needs to terminate a CAT5e Ethernet cable to a 110 block. Which of the following tools should he use?
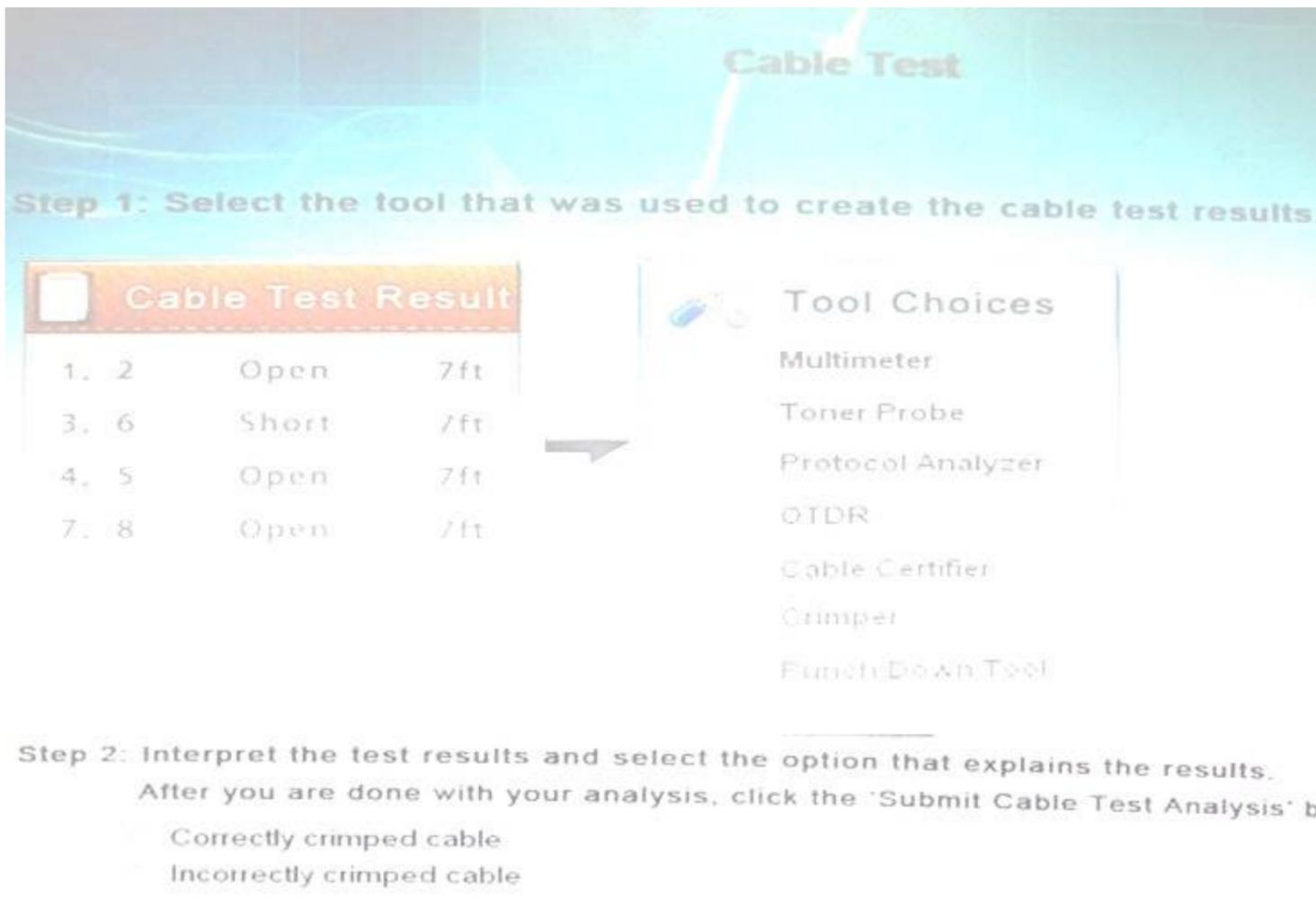
A. Toner probe
B. Punch down
C. Wire tester
D. Crimper

Answer: B

NEW QUESTION 910
- (Exam Topic 5)
You have been tasked with testing a CAT5 cable. A summary of the test results can be found on the screen. Step 1: Select the tool that was used to create the cable test results.
Step 2: Interpret the best results and select the options that explains the results.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Cable certifier – incorrectly crimped cable.

NEW QUESTION 912
- (Exam Topic 5)
Which of the following protocols provides a secure connection between two networks?

A. L2TP
B. IPSec
C. PPP
D. PPTP

Answer: B

NEW QUESTION 917
- (Exam Topic 5)
A technician has installed a group of layer 2 switches with multiple VLANs. The VLANs cannot talk to each other. Which of the following network devices could correct this problem? (Select TWO).

A. Hub
B. DNS server
C. DHCP server
D. Layer 3 switch
E. Router

Answer: DE

NEW QUESTION 918
- (Exam Topic 5)
Which of the following utilities would a technician use to determine the location of lost packets on a routed network?

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

Answer: D

NEW QUESTION 919
- (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 921
- (Exam Topic 5)
A MAC address is a part of which of the following OSI model layers?

A. Network
B. Data Link
C. Physical
D. Transport

Answer: B

NEW QUESTION 924
- (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 925
- (Exam Topic 5)
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 927
- (Exam Topic 5)
A consultant is installing new WAPs for an office using wall mounts. Which of the following is the BEST location for the new boxes for signal strength and coverage?

A. Above the suspended ceiling with antennas positioned upward.
B. Close to the floor level to allow the signal to traverse the floor laterally.
C. Close to the suspended ceiling, but not above.
D. Above the suspended ceiling with antennas positioned downward.

Answer: C

NEW QUESTION 928
- (Exam Topic 5)
Which of the following IP addresses would be classified as private?

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

Answer: A

NEW QUESTION 929
- (Exam Topic 5)
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 934
- (Exam Topic 5)
The Transport Layer of the TCP/IP model corresponds to which of the following layers of the OSI model?

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

Answer: C

NEW QUESTION 937
- (Exam Topic 5)
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 942
- (Exam Topic 5)
A new technician has been tasked with implementing a QoS policy for the Network. The technician decides it would be best to monitor the information traversing the network to gain statistical information on ports and protocols utilized. Which of the following tools should the technician use to complete this objective QUICKEST?

A. Traffic analyzer
B. Network sniffer
C. SNMPv3
D. System logs

Answer: A

NEW QUESTION 943
- (Exam Topic 5)
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 946
- (Exam Topic 5)
Spanning-Tree Protocol is used with which of the following network devices?

A. Router
B. NIC
C. Switch
D. DHCP server

Answer: C

NEW QUESTION 948
- (Exam Topic 5)
Joe, a remote user, has called the helpdesk with an issue on his machine. The technician would like to remote into the machine for troubleshooting but does not know the IP address or host name. Which of the following commands can the technician ask Joe to execute to gain this information?

A. netstat
B. ipconfig
C. ping
D. traceroute

Answer: B

NEW QUESTION 953
- (Exam Topic 5)
A user reports a network failure on a computer. The technician determines that the computer and NIC are operating properly. Which of the following tools can the technician use to trace the network cabling back to the punch down block?

A. Protocol analyzer

B. Multimeter
C. Punch down tool
D. Toner probe

Answer: D

NEW QUESTION 956
- (Exam Topic 5)
Which of the following ports is used by Telnet?

A. 21
B. 23
C. 80
D. 143

Answer: B

NEW QUESTION 957
- (Exam Topic 5)
In a newly installed LAN, the network administrator receives many calls about intermittent or slow connectivity to the authentication server. Which of the following could cause this problem? (Select TWO).

A. VLAN configuration error
B. Cables too short
C. Cable crosstalk
D. Incorrect channel
E. EMI
F. Wrong subnet mask

Answer: CE

NEW QUESTION 960
- (Exam Topic 5)
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 964
- (Exam Topic 5)
A technician would like to connect two separate LAN networks at a small business for a short period of time, to share files. The connection needs to be temporary, and is physically impossible using standard network cabling. Which of the following is the BEST way to connect the networks in this situation?

A. Wireless repeater
B. Wireless bridge
C. Bluetooth
D. RADIUS server

Answer: B

NEW QUESTION 965
- (Exam Topic 5)
Which of the following is the Telco end of a T1 demarc?

A. Smart jack
B. Network tap
C. Proxy server
D. IDF

Answer: A

NEW QUESTION 966
- (Exam Topic 5)
A company wants to simplify network authentication for their users. Which of the following would be used to implement wireless security with single sign-on?

A. WPA2 enterprise
B. WEP
C. Stateful firewall
D. PAT

Answer: A

NEW QUESTION 967
- (Exam Topic 5)
A user wants a SOHO network to be protected from unauthorized users hacking their network. Which of the following should be implemented to aide in this matter?

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

Answer: C

NEW QUESTION 968
- (Exam Topic 5)
Jeff, a network technician, is installing a wireless router. Which of the following should Jeff consider to get the BEST signal strength?

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

Answer: A

NEW QUESTION 970
- (Exam Topic 5)
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 973
- (Exam Topic 5)
Which of the following switches is used with ARP to display the cache entry for a specific IP address?

A. -a
B. -d
C. -g
D. -s

Answer: A

NEW QUESTION 978
- (Exam Topic 5)
The network administrator installed a new dipole antenna that extends 100 feet (30.48 meters) from the existing AP. All components are correct, functional, and installed properly. However, during validation, there is a very weak signal coming from the antenna. Which of the following is the MOST likely cause of the issue?

A. The installation exceeds the link limitations
B. The antenna is mounted for vertical polarization
C. The dBi output of the antenna is too low
D. The radio is too powerful for the installation

Answer: A

NEW QUESTION 983
- (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 988
- (Exam Topic 5)
Which of the following network protocols is used to transport email across the Internet?

A. NTP
B. SSH

C. SMTP
D. SNMP

Answer: C

NEW QUESTION 989
- (Exam Topic 5)
A network administrator is adding 24 - 802.3af class 2 VoIP phones and needs to purchase a single PoE switch to power the phones. Which of the following is the MINIMUM PoE dedicated wattage the switch supports to power all of the phones at full power?

A. 96W
B. 168W
C. 240W
D. 369.6W

Answer: B

NEW QUESTION 990
- (Exam Topic 5)
Given a subnet mask of 255.255.255.0, how many usable IP addresses would be in that subnet?

A. 250
B. 254
C. 255
D. 256

Answer: B

NEW QUESTION 992
- (Exam Topic 5)
The term virtual switch refers to which of the following?

A. A switch that has not yet been implemented in the local network
B. Migrating an entire environment to virtualization
C. A computer component that controls environmental elements, such as lights and thermometers
D. A logical, rather than a physical switch device

Answer: D

NEW QUESTION 996
- (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 998
- (Exam Topic 5)
After a power failure, several users are unable to connect to network devices at the remote office. Which of the following is the MOST likely cause of the issue?

A. Bad cable
B. Missing route
C. Duplicate IP address
D. Switching loop

Answer: B

NEW QUESTION 1001
- (Exam Topic 5)
A network administrator is implementing a wireless honeypot to detect wireless breach attempts. The honeypot must implement weak encryption to lure malicious users into easily breaking into the network. Which of the following should the network administrator implement on the WAP?

A. WPA
B. WPA2
C. WEP
D. VPN

Answer: C

NEW QUESTION 1004
- (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 1008
- (Exam Topic 5)
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 1011
- (Exam Topic 5)
Which of the following devices exist as either hardware or software to assist in routing traffic? (Select TWO).

A. Cable modem
B. Layer 2 switch
C. Router
D. NIDS
E. Layer 3 switch

Answer: CE

NEW QUESTION 1012
- (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 1016
- (Exam Topic 5)
Which of the following communication modes has the LOWEST overhead necessary to support streaming protocols such as RTP?

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

Answer: A

NEW QUESTION 1019
- (Exam Topic 5)
A new SOHO wireless network is set up using two access points with separate SSIDs on the same frequency. However, the users are experiencing intermittent connectivity on both SSIDs. Which of the following is the problem?

A. Wrong DNS
B. SSID mismatch
C. Encryption type
D. Incorrect channel

Answer: D

NEW QUESTION 1023
- (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 1028
- (Exam Topic 5)
Kim, a user, cannot access the network using wireless. Which of the following is MOST likely the cause?

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

Answer: C

NEW QUESTION 1032
- (Exam Topic 5)
When using high bandwidth applications over multiple WAN connections, which of the following should be used?

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

Answer: D

NEW QUESTION 1037
- (Exam Topic 5)
Which of the following protocols are used to connect devices in a secure manner? (Select TWO).

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

Answer: BC

NEW QUESTION 1042
- (Exam Topic 5)
Which of the following performs authentication and provides a secure connection by using 3DES to encrypt all information between two systems?

A. HTTPS
B. SSH
C. RSA
D. SSL

Answer: B

NEW QUESTION 1044
- (Exam Topic 5)
Which of the following WAN technology types has the GREATEST latency?

A. ISDN
B. Fiber
C. Satellite
D. Cable

Answer: C

NEW QUESTION 1048
- (Exam Topic 5)
A DSL modem connects to the provider's network using which of the following authentication techniques?

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

Answer: C

NEW QUESTION 1050
- (Exam Topic 5)
A network is having problems with traffic flowing to several critical websites that are used for necessary company work. Which of the following appliances would BEST handle network traffic to increase network performance?

A. Caching engine
B. Traffic shaper
C. Network based firewall

D. Packet sniffer

Answer: B

NEW QUESTION 1055
- (Exam Topic 5)
When configuring a WAP for a SOHO, which parameter will BEST limit access to the office area?

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

Answer: A

NEW QUESTION 1060
- (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 1065
- (Exam Topic 5)
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 1070
- (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 1073
- (Exam Topic 5)
Which of the following protocols can be implemented to provide encryption during transmission between email gateways?

A. TLS
B. PPTP
C. SSH
D. HTTPS

Answer: A

NEW QUESTION 1074
- (Exam Topic 5)
A user arrives at a new house and the Internet provider states the connection will run through the cable. If the user wants to install multiple PCs, which of the following will the user need in order to establish a connection? (Select TWO).

A. VPN
B. Router
C. T1 card
D. WEP
E. Modem

Answer: BE

NEW QUESTION 1075

- (Exam Topic 5)
Users trying to access a website using HTTPS are being blocked by the firewall. Which of the following ports needs to be allowed?

A. 80
B. 143
C. 443
D. 3389

Answer: C

NEW QUESTION 1078
- (Exam Topic 5)
Which of the following firewall rules will block destination telnet traffic to any host with the source IP address 1.1.1.2/24?

A. Deny any source host on source port 23 to destination any
B. Deny any source network 1.1.1.0/24 to destination any on port 23
C. Deny source host 1.1.12 on source port 23 to destination any
D. Deny any source network 1.1.1.0/24 with source port 23 to destination any

Answer: B

NEW QUESTION 1080
- (Exam Topic 5)
During a blizzard, a technician decides to work from home but is unable to connect to the company's network. Which of the following is MOST likely taking place at the office?

A. Switching loop
B. Wrong DNS
C. Power failure
D. Duplicate IP address

Answer: C

NEW QUESTION 1082
- (Exam Topic 5)
The network technician has recently implemented VLANs on the company network. Ever since this implementation, sections within the company can no longer share information. While troubleshooting, the technician realizes they are unable to ping a device from another VLAN. Which of the following needs to be configured to fix this problem?

A. Clear the ARP table
B. Add host entries on the user's computer
C. Configure 802.1x trunks on the switches
D. Configure 802.1q trunks on the switches

Answer: D

NEW QUESTION 1084
- (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 1086
- (Exam Topic 5)
A Windows server has a problem after booting up. Kim, a technician, should immediately check the:

A. history logs.
B. cron logs.
C. application logs.
D. system logs.

Answer: D

NEW QUESTION 1088
- (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 1093
- (Exam Topic 5)
An administrator is setting up a secure wireless network. The administrator decides to support 802.11n and 802.11g with a WPA2 pre-shared key. Users are given the SSID with the pre-shared key, but the administrator has disabled the SSID broadcast and MAC filtering. Some users have reported connection issues. Which of the following would MOST likely resolve the users' connection issues?

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

Answer: B

NEW QUESTION 1098
- (Exam Topic 5)
Which of the following addresses is a class B private address?

A. 132.216.14.184
B. 152.119.25.213
C. 162.17.43.22
D. 172.23.226.34

Answer: D

NEW QUESTION 1100
- (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 1103
- (Exam Topic 5)
A user is unable to access any network resources. The IP configuration of the workstation is as follows:
IP Address: 192.168.10.32
Subnet Mask: 255.255.255.240
Default Gateway: 192.168.10.46
Which of the following would allow the user to connect to network resources?

A. Change the default gateway to 192.168.10.1
B. Change the default gateway to 192.168.10.254
C. Change the IP address to 192.168.10.31
D. Change the IP address to 192.168.10.33

Answer: D

NEW QUESTION 1107
- (Exam Topic 5)
Which of the following is the prefix for a link-local IPv6 address?

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

Answer: A

NEW QUESTION 1112
- (Exam Topic 5)
Joe, a user, has a computer that has a link light on his network interface card (NIC); however, Joe is unable to access the Internet. Which of the following is the cause of this issue?

A. Faulty GBIC
B. Faulty SFP
C. Cable is a crossover
D. VLAN mismatch

Answer: D

NEW QUESTION 1113
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