JK0-019 Dumps

CompTIA Network+ Certification Exam (JK0-019)

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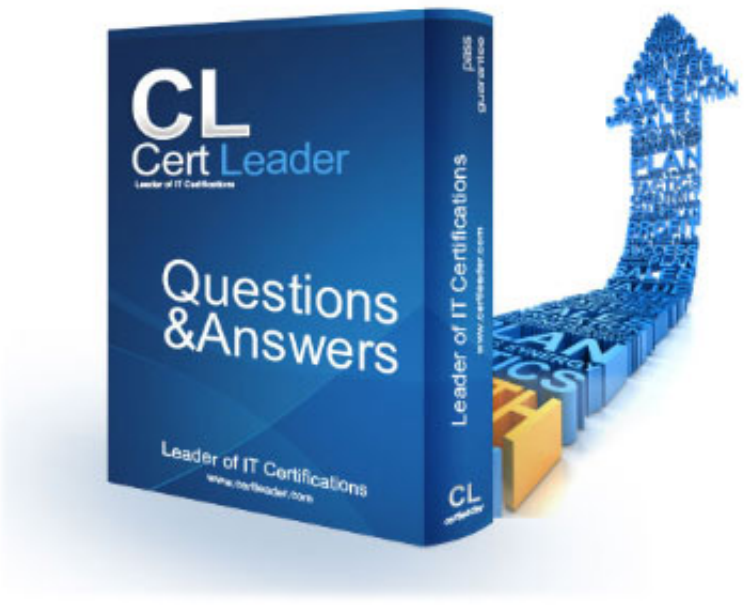


NEW QUESTION 1
Several users from the finance department report that they are able to access the Internet, but unable to connect to their financial applications. The network technician is unable to ping the finance server. The technician decides to check the switch and determines that Internet access is working. Which of the following is a possible cause of the access issues?

A. Faulty cable
B. Remote management disabled
C. Improper VLAN assignment
D. Mismatched duplex

Answer: C

Explanation:
Finance Server is placed in same VLAN which is assigned to finance users if they are able to access internet that's means connectivity to switch is good, so we have to check the VLAN assigned to users.

NEW QUESTION 2
A technician needs to ensure that traffic from a specific department is separated within several switches. Which of the following needs to be configured on the switch to separate the traffic?

A. Duplex settings
B. SNMP string
C. VLAN assignments
D. Spanning tree

Answer: C

Explanation:
A VLAN is a group of end stations with a common set of requirements, independent of physical location. VLANs have the same attributes as a physical LAN but allow you to group end stations even if they are not located physically on the same LAN segment.

NEW QUESTION 3
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

Explanation:
The Subnet Mask however, determines the "class" of a Network. 255.255.255.0 is a "Class C" network.A class c network can host up to 254 pc's

NEW QUESTION 4
Which of the following TCP/IP model layers does the OSI model Presentation layer map to?

A. Transport
B. Internet
C. Application
D. Network Interface

Answer: C

Explanation:
The Application layer provides applications the ability to access the services of the other layers and defines the protocols that applications use to exchange data. There are many Application layer protocols and new protocols are always being developed.

NEW QUESTION 5
A customer wants to keep cost to a minimum and has only ordered a single static IP address from the ISP. Which of the following must be configured on the router to allow for all the computers to share the same public IP address?

A. VLANs
B. PoE
C. PAT
D. VPN

Answer: C

Explanation:
Port Address Translation (PAT), is an extension to network address translation (NAT) that permits multiple devices on a local area network (LAN) to be mapped to a single public IP address. The goal of PAT is to conserve IP addresses.

NEW QUESTION 6
Which of the following LAN technologies is used to provide a MAXIMUM bandwidth of 1Gbps through singlemode fiber?

A. 10GBaseLR
B. 100BaseFX
C. 100BaseTX
D. 1000BaseX

Answer: D

Explanation:
1000BaseX identifies various Gigabit Ethernet physical layer standards as defined in IEEE802.3z, such as 1000BaseLX, 1000BaseSX, 1000BaseCX and 1000BaseLH. Basically, all standards included in 1000BaseX uses 8B/10B coding scheme with 8 bits of data and 2 bits of error- correction data. Each specification allows various cable (fiber or copper) lengths, and uses
different cable media.

NEW QUESTION 7
Users are reporting that some Internet websites are not accessible anymore. Which of the following will allow the network administrator to quickly isolate the remote router that is causing the network communication issue, so that the problem can be reported to the appropriate responsible party?

A. Ping
B. Protocol analyzer
C. Tracert
D. Dig

Answer: C

Explanation:
Tracet command will tell the administrator which route is not present or which is present so he will come to know whether he has appropriate route or not.

NEW QUESTION 8
Which of the following network protocols is used to resolve FQDNs to IP addresses?

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

Answer: A

Explanation:
An Internet service that translates domain names into IP addresses. Because domain names are alphabetic, they're easier to remember. The Internet however, is really based on IP addresses.
Every time you use a domain name, therefore, a DNS service must translate the name into the corresponding IP address. For example, the domain name www.example.com might translate to 198.105.232.4.

NEW QUESTION 9
Which of the following network protocols is used to transport email between servers?

A. IMAP4
B. POP3
C. SNMP
D. SMTP

Answer: D

Explanation:
While electronic mail servers and other mail transfer agents use SMTP to send and receive mail messages, user-level client mail applications typically use SMTP only for sending messages to a mail server for relaying

NEW QUESTION 10
Which of the following is the FASTEST Ethernet technology?

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

Answer: A

Explanation:
10GBASE-SR ("short range") is a port type for multi-mode fiber and uses 850 nm lasers. Its Physical Coding Sublayer 64b/66b PCS is defined in IEEE 802.3 Clause 49 and its Physical Medium Dependent PMD in Clause 52. It delivers serialized data at a line rate of 10.3125 Gbit/s.

NEW QUESTION 10
An employee connects to a work computer from home via the built-in Windows remote desktop connection. Which of the following is MOST likely being used to establish the connection?

A. RDP
B. RTP

C. RIP
D. RAS

Answer: A

Explanation:
Remote Desktop Protocol (RDP) is a proprietary protocol developed by Microsoft, which provides a user with a graphical interface to connect to another computer over a network connection. The user employs RDP client software for this purpose, while the other computer must run RDP server software.

NEW QUESTION 15
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

Explanation:
FTP uses two ports by default: 21 for sending commands, and 20 for sending data. For instance if you said "FTP <ServerName>" it would make the attempt using port 21. If the session was established, port 20 would be using for the data. NotE. These are the default ports which is what I assume you were asking. A server administrator can however configure FTP to use whatever port he defines.

NEW QUESTION 17
Which of the following is a Class A IP address?

A. 10.4.0.1
B. 169.254.0.1
C. 192.168.0.1
D. 254.200.0.1

Answer: A

Explanation:
Class A ip address ranges from 10.0.0.0 to 10.255.255.255

NEW QUESTION 21
A network where all traffic feeds through a centralized gateway uses which of the following topologies?

A. Peer-to-peer
B. Ring
C. Bus
D. Star

Answer: D

Explanation:
A bus topology is a type of network setup where each computer and network device is connected to a single cable or backbone.

NEW QUESTION 22
The network interface layer of the TCP/IP model corresponds with which of the following layers of the OSI model? (Select TWO).

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

Answer: DF

Explanation:
The lowest layer of the OSI Reference Model is the physical layer, which is responsible for the "nitty gritty" details of transmitting information from one place to another on a network. The layer just above the physical layer is the data link layer, called the network interface layer or just the link layer in the TCP/IP architectural model. Its primary job is to implement networks at the local level, and to interface between the hardware-oriented physical layer, and the more abstract, software- oriented functions of the network layer and those above it.

NEW QUESTION 24
The APIPA address 169.254.10.123 falls into which of the following class of addresses?

A. A
B. B
C. C
D. D

Answer: B

Explanation:
As the range for class B is from 128.0.0.0 to 191.255.255.255

NEW QUESTION 26
Which of the following provides secure access to a network device?

A. SNMPv2
B. FTP
C. RSH
D. SSH

Answer: D

Explanation:
Secure Shell (SSH) is a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers that connects, via a secure channel over an insecure network, a server and a client (running SSH server and SSH client programs, respectively).

NEW QUESTION 31
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

Explanation:
Here the term distance vector refers to the fact that the protocol manipulates vectors
(arrays) of distances to other nodes in the network

NEW QUESTION 33
Which of the following switch features allows for both incoming and outgoing data across physical ports at the same time?

A. Burst-frame
B. Full-duplex
C. Half-duplex
D. VoIP

Answer: B

Explanation:
A full-duplex (FDX), or sometimes double-duplex system, allows communication in
both directions, and, unlike half-duplex, allows this to happen simultaneously. Land-line telephone networks are full-duplex, since they allow both callers to speak and be heard at the same time

NEW QUESTION 38
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 42
Which of the following network devices builds a table of ports to MAC addresses to forward packets only to necessary ports?

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

Answer: A

NEW QUESTION 47
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 52
A network technician has determined a managed network switch has failed. The technician knows how to install a new switch, but not how to properly configure it. Which of the following troubleshooting steps should the technician take NEXT?

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

Answer: A

NEW QUESTION 56
Which of the following uses types and codes rather than ports?

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

Answer: B

NEW QUESTION 57
Which of the following protocols are used to provide accurate time to network devices?

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

Answer: D

NEW QUESTION 60
Which of the following layers of the OSI model make up the Network Interface layer of the TCP/IP model? (Select TWO).

A. Application
B. Physical
C. Presentation
D. Transport
E. Data Link
F. Network

Answer: BE

NEW QUESTION 63
Users report that they are unable to access the production server with IP address 192.168.30.17. These users need to be provided access without changing any subnet to VLAN information. The VLANs configured on the network are listed below:
DepartmentVLAN #Subnet used Marketing20192.168.20.0/28 Customer Service25192.168.20.64/28 Finance30192.168.30.0/28 WHSE35192.168.30.16/28 Sales40192.168.3.16/28
The users experiencing this issue need to be added to which of the following VLANs?

A. 25
B. 30
C. 35
D. 40

Answer: C

NEW QUESTION 66
The systems administrator has assigned an IP address and default gateway to a standard Layer 2 switch. Which of the following would be the primary purpose of doing this?

A. Allow VLAN routing
B. Enable packet filtering on the switch
C. Allow remote administration of the switch
D. Enable MAC filtering on the switch

Answer: C

NEW QUESTION 68
Which of the following is a link state routing protocol?

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

Answer: C

NEW QUESTION 71
Layers 5, 6, and 7 from the OSI model correspond to which of the following layers of the TCP/IP model?

A. Transport
B. Application
C. Internet
D. Network Interface

Answer: B

NEW QUESTION 76
Which of the following ports would have to be allowed through a firewall for NTP to pass on its default port?

A. 123
B. 143
C. 153
D. 163

Answer: A

NEW QUESTION 80
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 85
Which of the following is an advantage of dynamic routing?

A. It can reroute connectivity in the event of failure.
B. It is the simplest form of routing.
C. The routes do not change.
D. The setup and configuration are done manually.

Answer: A

NEW QUESTION 87
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 92
An IP address is encapsulated at which of the following layers of the OSI model?

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

Answer: C

NEW QUESTION 97
At which of the following layers of the OSI model is the Logical Link Control found?

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

Answer: A

NEW QUESTION 101
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 102
Users in several departments are reporting connectivity problems. The technician examines the computer and finds the following settings. The IP address is 10.0.1.0 with a subnet mask of 255.255.252.0. The default gateway is 10.0.1.1 and the DNS server is 10.0.0.15. A user can connect to the internet but not servers on other internal subnets. The technician is not able to connect with a server with an IP of 10.0.2.25. Which of the following is MOST likely the problem?

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

Answer: D

NEW QUESTION 107
Which of the following correctly lists the layers of the OSI model starting at Layer 1?

A. Data Link, Physical, Network, Transport, Presentation, Session, Application.
B. Physical, Data Link, Network, Transport, Presentation, Session, Application.
C. Physical, Data Link, Transport, Network, Session, Presentation, Application.
D. Physical, Data Link, Network, Transport, Session, Presentation, Application.

Answer: D

NEW QUESTION 109
At which layer of the TCP/IP model would cabling exist?

A. Network Interface
B. Internet
C. Application
D. Transport

Answer: A

NEW QUESTION 110
Which of the following can be configured on a managed network switch to send real time alerts to a technician?

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

Answer: C

NEW QUESTION 112
Which of the following exist at layer three of the OSI model? (Select TWO).

A. NIC
B. Switch
C. Frame
D. Packet
E. Router
F. Cable

Answer: DE

NEW QUESTION 113
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 118
Which of the following IP address/CIDR combinations represent public address space? (Select TWO).

A. 10.1.1.1/8
B. 172.15.1.1/16
C. 172.16.1.1/16
D. 172.31.1.1/16
E. 193.168.2.1/24
F. 224.0.0.1/32

Answer: BE

NEW QUESTION 121
An administrator needs to open ports in the firewall for both DNS and eDNS. Which of the following default ports would need to be opened on the firewall? (Select TWO).

A. TCP 23
B. TCP 53
C. TCP 123
D. UDP 23
E. UDP 53
F. UDP 123

Answer: BE

NEW QUESTION 124
192.168.0.7/8 notation denotes which of the following IPv4 subnet masks?

A. 255.0.0.0
B. 255.255.0.0
C. 255.255.255.0
D. 255.255.255.255

Answer: A

NEW QUESTION 127
Which of the following OSI model layers are present in the application layer of the TCP/IP model? (Select TWO).

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

Answer: DE

NEW QUESTION 128
Which of the following OSI model layers is used to frame packets that are sent over a medium?

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

Answer: B

NEW QUESTION 129
Which of the following protocols occurs at Layer 4 of the OSI model?

A. ISDN
B. IPX
C. GRE
D. UDP

Answer: D

NEW QUESTION 130
Which of the following uses a 128-bit addressing scheme?

A. MAC
B. DHCP

C. IPv4
D. IPv6

Answer: D

NEW QUESTION 135
An advertised route learned from one protocol over a different protocol is called:

A. Co-location
B. Reallocation
C. Redundancy
D. Redistribution

Answer: D

NEW QUESTION 140
A network administrator has been assigned the 192.168.2.64/26 network and assigns the following computer's IP addresses:
* 192.168.2.70
* 192.168.2.100
* 192.168.2.125
* 192.168.2.130
When the administrator tries to ping the other computers from 192.168.2.130, an ECHO REPLY is not received. Which of the following must the network administrator do?

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

Answer: B

NEW QUESTION 143
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 147
Which IEEE protocol is used with VLAN technology?

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

Answer: D

NEW QUESTION 149
Which of the following STP states indicates an inactivated port due to a loop?

A. Disabled
B. Learning
C. Blocking
D. Forwarding

Answer: C

NEW QUESTION 154
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

Explanation:
This happens when the DNS server is able to resolve the URL but there can be a conflicting route pointing to somewhere else rather than to the correct device

who is responsible for routing traffic to the internet.

NEW QUESTION 158
During a disaster recovery test, several billing representatives need to be temporarily setup to take payments from customers. It has been determined that this will need to occur over a wireless network, with security being enforced where possible. Which of the following configurations should be used in this scenario?

A. WPA2, SSID enabled, and 802.11n.
B. WEP, SSID enabled, and 802.11b.
C. WEP, SSID disabled, and 802.11g.
D. WPA2, SSID disabled, and 802.11a.

Answer: D

Explanation:
WPA2 is a security technology commonly used on Wi-Fi wireless networks. WPA2 (Wireless Protected Access 2) replaced the original WPA technology on all certified Wi-Fi hardware since 2006 and is based on the IEEE 802.11i technology standard for data encryption.

NEW QUESTION 161
Which of the following wiring distribution types, often found in company closets, is used to connect wiring from individual offices to the main LAN cabling?

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

Answer: D

Explanation:
A patch panel, patch bay, patch field or jack field is a number of circuits, usually of the same or similar type, which appear on jacks for monitoring, interconnecting, and testing circuits in a convenient, flexible manner.

NEW QUESTION 162
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

Explanation:
Simple Network Management Protocol (SNMP) is an "Internet-standard protocol for managing devices on IP networks". Devices that typically support SNMP include routers, switches, servers, workstations, printers, modem racks and more. It is used mostly in network management systems to monitor network-attached devices for conditions that warrant administrative attention.
Syslog is a standard for computer message logging. It permits separation of the software that generates messages from the system that stores them and the software that reports and analyzes them.

NEW QUESTION 164
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

Explanation:
Bad wiring refers to the state when you do not follow a pattern and everything seems messed up and you are not able to figure out the cause.

NEW QUESTION 165
A Linux-based workstation is unable to connect to an IP printer on the same network segment. The printer IP address settings have been verified. How would a network technician verify IP address settings on the Linux-based workstation?

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

Answer: D

Explanation:
The "ifconfig" command allows the linux/unix operating system to setup network interfaces and allow the user to view information about the configured network

interfaces.

NEW QUESTION 168
Ann, a client, shares half of a rectangular floor plan with another company and wishes to set up a secure wireless network. The installed antenna limits the signal to her half of the floor. Through analysis, the frequency and channels of surrounding wireless networks have been determined and configuration changes made accordingly. Which of the following would be the NEXT step in setting up this secure wireless network?

A. Decrease signal strength on the antenna
B. Change the wireless channel on the WAP
C. Change the device placement to further obfuscate the signal
D. Set up encryption on the WAP and clients

Answer: D

Explanation:
The encryption will help the clients and server to uniquely identify themselves in an interfering environment.

NEW QUESTION 169
A technician is reviewing the following company diagram to determine proper connectivity settings:

Device	Connection Type	Distance
ServerA	CAT6e	380ft
LaptopB	802.11g	310ft
PC1	CAT5	300ft
LaptopC	802.11n	100ft
ServerE	Single Mode	500ft

Which of the following device configurations is out of specifications?

A. LaptopC
B. ServerE
C. LaptopB
D. ServerA
E. PC1

Answer: D

Explanation:
no legitimate Category 6e standard exists

NEW QUESTION 172
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

Explanation:
The electric cables create electric field around them and can interrupt in internet connectivity as well. It is quite possible that this is the cause which is creating the connectivity issue.

NEW QUESTION 177
Which of the following protocols is MOST commonly associated with VoIP?

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

Answer: C

Explanation:
The Session Initiation Protocol (SIP) is a signaling communications protocol, widely used for controlling multimedia communication sessions such as voice and video calls over Internet Protocol (IP) networks.

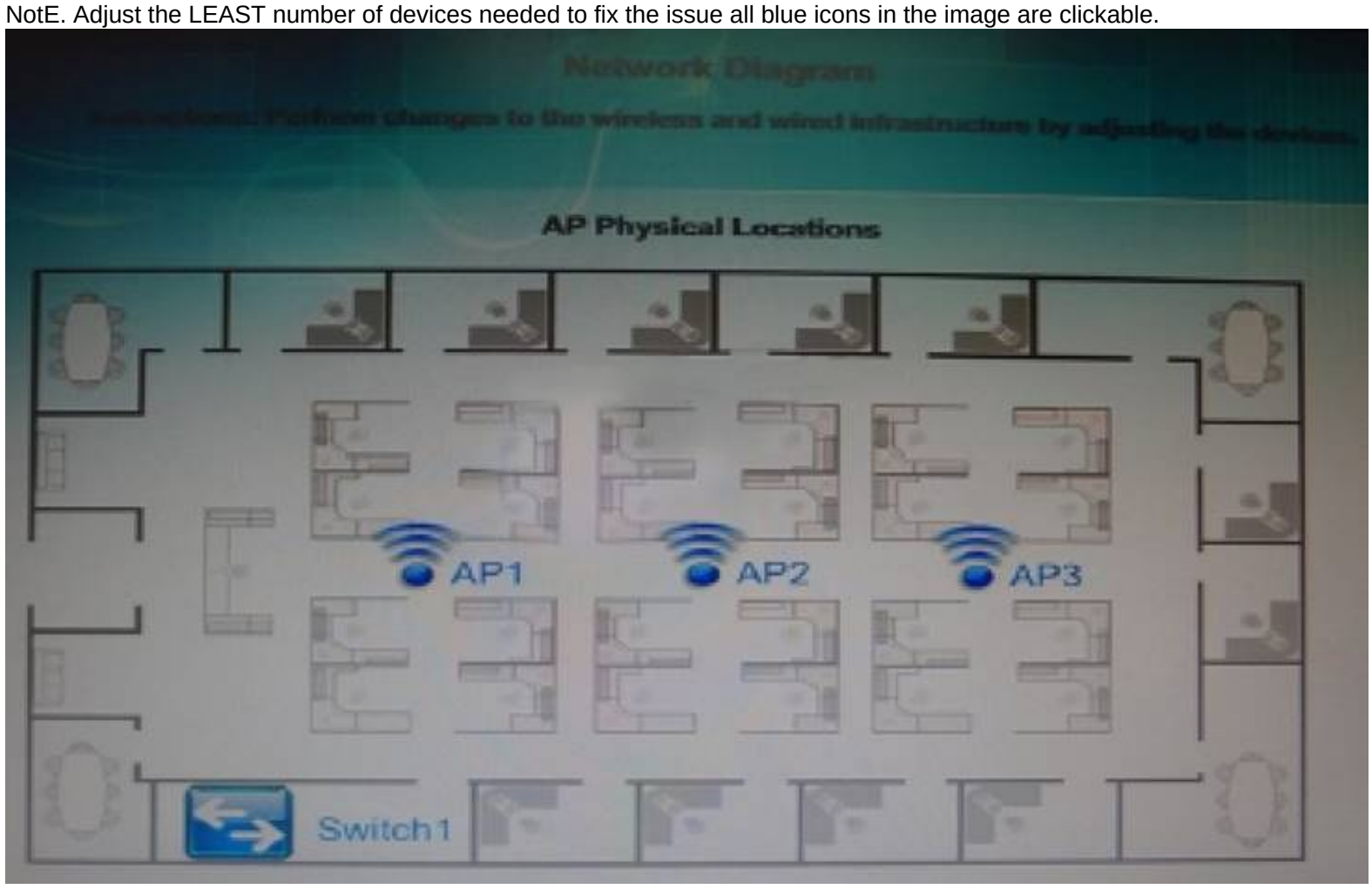
NEW QUESTION 181
A technician has a network with a mix of newer and older equipment. Which of the following settings would dynamically configure whether to use full or half duplex?

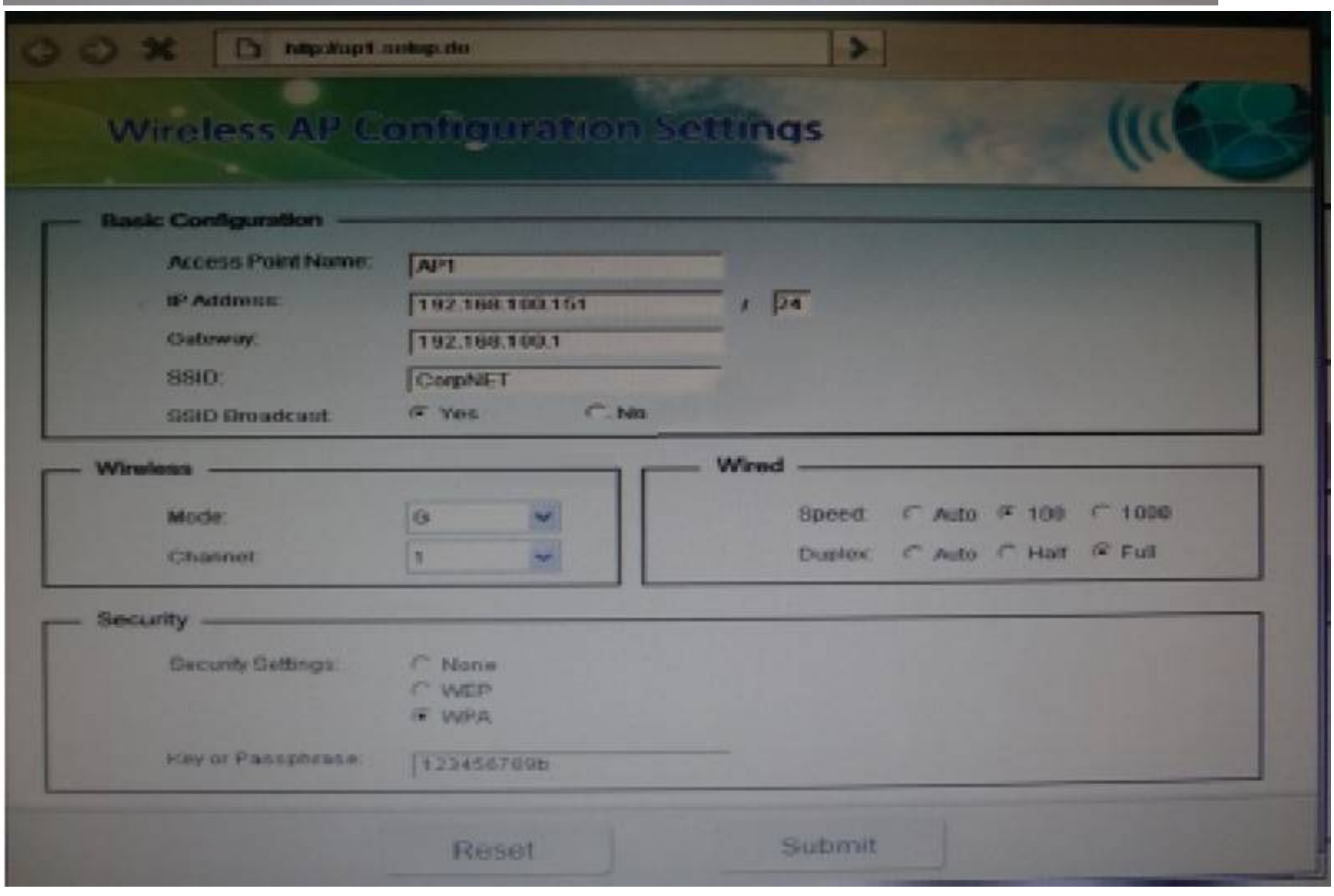
A. Transmission speed
B. Frequency
C. Auto-negotiate
D. Distance

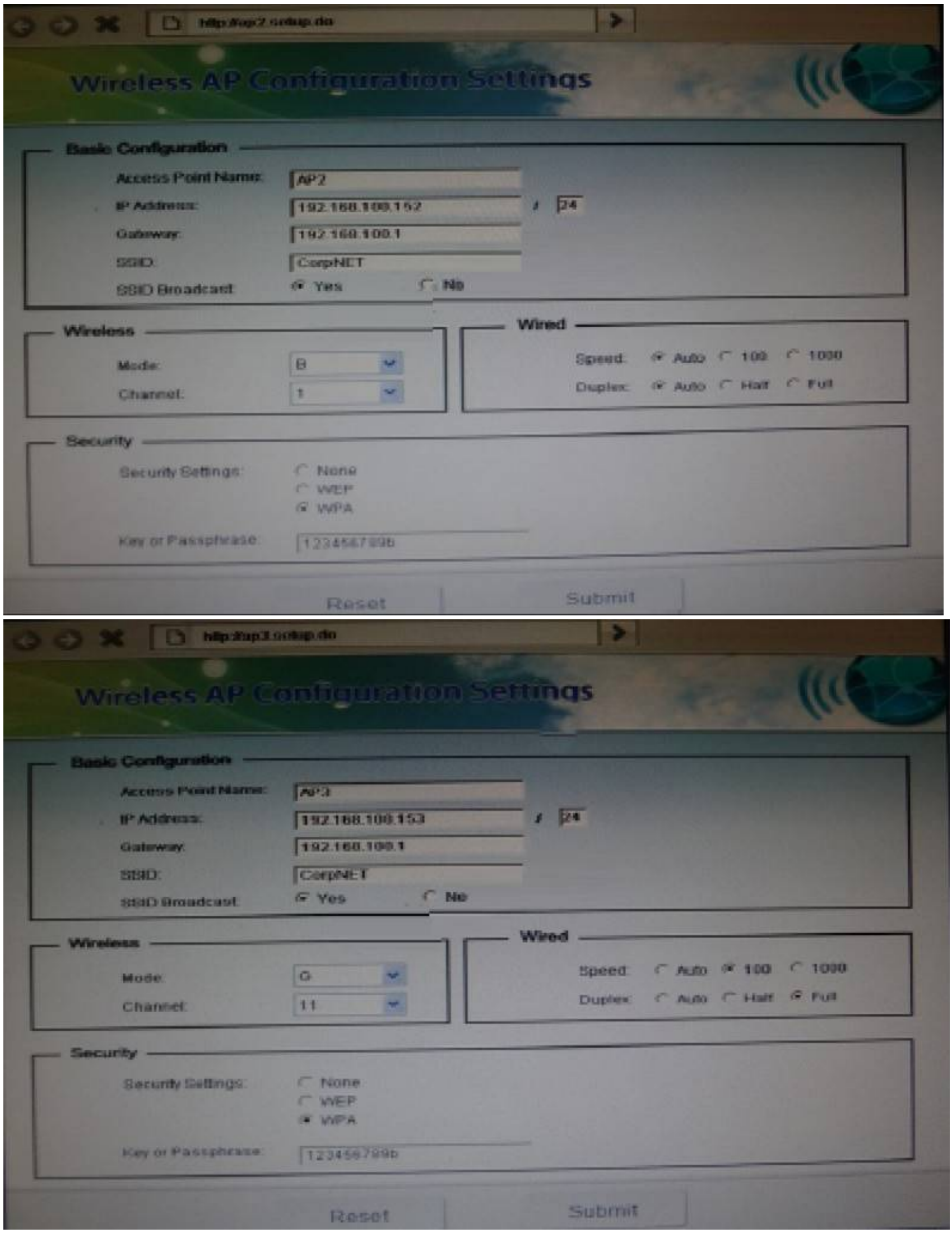
Answer: C

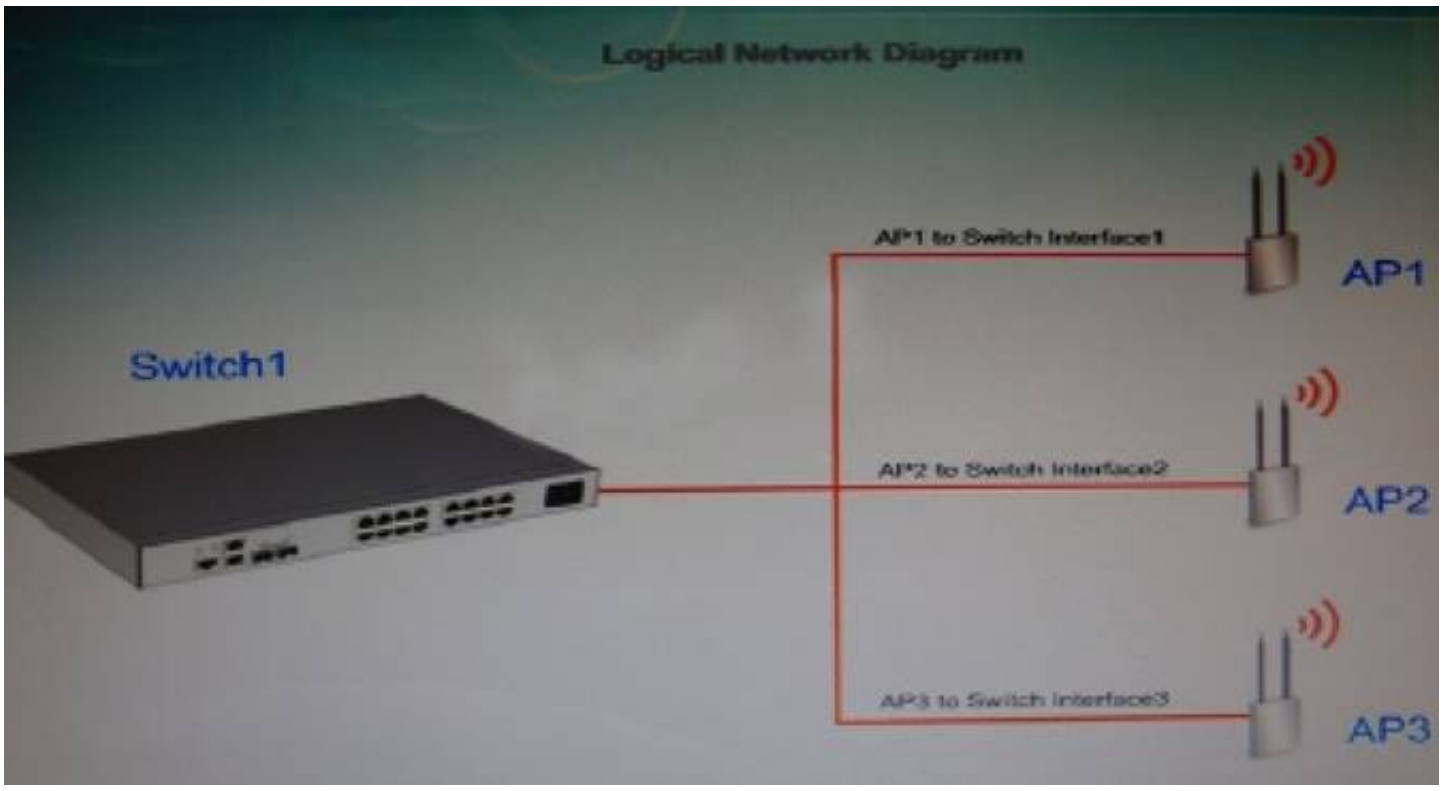
Explanation:
Autonegotiation is an Ethernet procedure by which two connected devices choose common transmission parameters, such as speed, duplex mode, and flow control. In this process, the connected devices first share their capabilities regarding these parameters and then choose the highest performance transmission mode they both support.

NEW QUESTION 185
CORRECT TEXT
Wireless network users recently began experiencing speed and performance issues after access point 2 (AP2) was replaced due to faulty hardware. The original network was installed according to a consultant's specifications and has always worked without a problem.
You a network technician, have been tasked with evaluating the situation and resolving the issues to improve both performance and connectivity. Refer to the following diagram and perform any Necessary changes to the wireless and wired infrastructure by adjusting devices.
NotE. Adjust the LEAST number of devices needed to fix the issue all blue icons in the image are clickable.






Wireless AP Configuration Settings
Basic Configuration
Access Point Name: AP2
IP Address: 192.168.100.152 / 24
Gateway: 192.168.100.1
SSID: CorpNET
SSID Broadcast: Yes No
Wireless
Mode: B
Channel: 1
Wired
Speed: Auto 100 1000
Duplex: Auto Half Full
Security
Security Settings: None WEP WPA
Key or Passphrase: 1234567890
Reset
Submit
Wireless AP Configuration Settings
Basic Configuration
Access Point Name: AP3
IP Address: 192.168.100.153 / 24
Gateway: 192.168.100.1
SSID: CorpNET
SSID Broadcast: Yes No
Wireless
Mode: G
Channel: 11
Wired
Speed: Auto 100 1000
Duplex: Auto Half Full
Security
Security Settings: None WEP WPA
Key or Passphrase: 1234567890
Reset
Submit



A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 189
The DHCP server leases IP addresses 10.162.233.158 to WBAC11 for a period of 14 days. At which of the following times would WBAC11 send an initial request to the DHCP server to renew the IP address lease?

A. Day 4
B. Day 6
C. Day 8
D. Day 10

Answer: C

NEW QUESTION 193
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 195
A company wants to ensure that a wireless signal from their WAP only sends down one specific corridor. Which of the following can be done to achieve this?

A. Disable the SSID.
B. Change the broadcast channel.
C. Lower the signal strength.
D. Change the antennas.

Answer: D

NEW QUESTION 198
Which of the following DHCP options is used to exclude IP addresses from being distributed to other computers?

A. Reservations
B. Suffixes
C. Leases
D. Gateways

Answer: A

NEW QUESTION 201
A user is trying to connect to the wireless network in the office but is unable to establish a consistent connection. The computer alternates connecting between

several similarly configured access points. Which of the following would be the BEST way to address this issues?

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

Answer: A

NEW QUESTION 202
A client has just leased a new office space in a busy commercial building and would like to install a wireless network. Several other tenants are on the same floor. Multiple wireless networks are present in the building. Which of the following can be changed on the client's wireless network to help ensure that interference from other wireless networks is at a minimum?

A. WPA encryption key selection
B. Channel selection
C. Antenna types
D. Disable SSID

Answer: B

NEW QUESTION 203
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 208
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 209
A SOHO had their wireless network breached on several occasions. The user turned off the SSID and enabled WEP encryption, but breaches are still occurring. Which of the following will improve security and MOST likely prevent future breaches?

A. Turn down the signal strength
B. Replace the WAP and enable WEP
C. Change both the SSID and WEP key
D. Enable WPA2 encryption

Answer: D

NEW QUESTION 212
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 214
A network administrator needs to deploy seven equally spaced WAPs along an underground tunnel. Which of the following is the BEST channel design to avoid interference?

A. 1, 3, 5, 7, 9, 11, 1
B. 1, 6, 11, 1, 1, 6, 11
C. 1, 11, 1, 11, 1, 11, 1
D. 11, 1, 6, 11, 1, 6, 11

Answer: D

NEW QUESTION 217
A network administrator is configuring PXE boot to reimage a computer lab. Which of the following must be configured on the existing DHCP server to specify the IP address of the imaging server from which the clients must boot?

A. Scope
B. Reservation
C. Option
D. Lease

Answer: C

NEW QUESTION 219
A technician is configuring a new DSL router. The technician can communicate with the LAN, but not the WAN. Which of the following is the MOST likely cause?

A. Duplicate IP addresses
B. Bad GBIC
C. Wrong gateway
D. Switching loop

Answer: C

NEW QUESTION 224
Which of the following antenna types has a flat circular radiation pattern?

A. Diversity
B. Yagi
C. Omni
D. Patch

Answer: C

NEW QUESTION 228
A new employee was given the following information to connect to the corporate wireless network for the first time:
SSID:CorporateWiFi Encryption:WPA2 Password:SuperSecret!
The user enters the correct SSID and notices that encryption type or password are not required when configuring the laptop in the office, and the laptop successfully connects to the Internet. When the user brings the laptop to the conference room, a pop-up asks for the CorporateWiFi password. Which of the following is the MOST likely cause of this behavior?

A. The laptop wireless network card is incompatible with the conference room WAP.
B. The office walls prevent the employee from making a full connection.
C. A rogue access point was installed by a company employee.
D. MAC filtering is only enabled in the conference room.

Answer: C

NEW QUESTION 233
A network administrator needs to configure a port on the switch that will enable all packets on a particular switch to be monitored. Which of the following would BEST complete this objective?

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

Answer: C

NEW QUESTION 238
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 243
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 245
Which of the following transmission methods do DHCP enabled devices use to request an IP address?

A. Broadcast
B. Directed broadcast
C. Unicast
D. Multicast

Answer: A

NEW QUESTION 246
Users are contacting the internal helpdesk, stating that they are having difficulty staying connected to the wireless network. When the technician investigates, it is discovered that the users are having a problem using the wireless network in the company break rooms. Which of the following should the technician do FIRST?

A. Install a new access point in each break room to provide adequate coverage.
B. Remount the access points to a place on the ceiling closer to the break rooms.
C. Unplug appliances (e.
D. microwaves) to see if they are causing interference.
E. Change the encryption on the access points from WPA2 to WEP.

Answer: C

NEW QUESTION 250
Which of the following do DHCP servers provide to requesting devices on the network? (Select TWO).

A. Encryption
B. Leases
C. SSID
D. Channels
E. Suffixes
F. VLAN assignments

Answer: BE

NEW QUESTION 254
Joe, a vendor, walks into a customer's site with a laptop. While waiting for his contact to arrive, he wants to check his email. He discovers the SSID for the site's wireless network and receives a valid guest password from the receptionist. He is, however, unable to connect. Which of the following is MOST likely the problem?

A. The customer's wireless router uses WPA encryption.
B. The wireless router at the customer's site is configured with MAC filtering.
C. The customer's WAP uses WEP encryption.
D. The customer's IT department blocks all visitors from connecting to their network.

Answer: B

NEW QUESTION 258
Joe, a technician, is attempting to connect two hubs to add a new segment to his local network. He uses one of his CAT5 patch cables to connect them; however, he is unable to reach the new network segment from his workstation. He can only connect to it from a workstation within that segment. Which of the following is MOST likely the problem?

A. One of the hubs is defective.
B. The new hub is powered down.
C. The patch cable needs to be a CAT6 patch cable.
D. The technician used a straight-through cable.

Answer: D

NEW QUESTION 262
A technician is troubleshooting a printing issue where some users in an office are unable to print. Which of the following should be the FIRST step in troubleshooting this issue?

A. Reboot each of the workstations
B. Ask users if anything changed in their environment recently
C. Advise users to move to a different office
D. Power cycle the printer

Answer: B

NEW QUESTION 264
Joe, a network technician, is asked to install a couple new WAP's inside a back warehouse that was added to a main warehouse facility that already has complete wireless coverage on both the 2.4GHz and 5GHz frequencies. Joe already has a complete wireless heat map of the main warehouse. Which of the following is the first step that Joe should do before choosing which WAP's to use?

A. Conduct a wireless survey of the back warehouse.
B. Ask the vendor that provided the WAP's for the main warehouse for recommendations.
C. Ask the systems administrator which WAP's are preferred.

D. Only order WAP's that support 5GHz channels.

Answer: A

NEW QUESTION 267
Joe, a network technician, is tasked with setting up a new wireless network in an office for office laptops and desktops only. The surrounding offices already have many wireless networks. Joe discovered that over 30 wireless networks were showing up as he completed a wireless survey of the office. Every single one of the networks that Joe was able to see while conducting the wireless survey were 802.11b/g networks. Which of the following should Joe consider before purchasing/installing the new wireless access points?

A. Move the WAP so that it is close to the interior walls.
B. Determine which wireless channels and bands to use to mitigate as much interference as possible.
C. Turn the SSID broadcasts off to decrease interference.
D. Determine if the business should relocate to a building with a lot less surrounding wireless networks.

Answer: B

NEW QUESTION 268
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 269
A technician has determined that calls placed over a wireless connection are breaking up and the speaker's voices are delayed. This is making conversation difficult. This is a symptom of which of the following network issues?

A. Latency
B. Bad GBIC
C. Bad SFP
D. SSID mismatch

Answer: A

NEW QUESTION 273
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 276
A user reports that they keep getting disconnected on the wireless network. After further investigation, the technician confirms that this occurs only in that user's office. Which of the following would MOST likely cause them to lose their connection?

A. Encryption type
B. Disabled wireless adapter
C. SSID mismatch
D. Interference

Answer: D

NEW QUESTION 279
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 280
A technician is troubleshooting a desktop computer that will not power on. After replacing the power supply, the technician tries to start the desktop, but it still fails to power on. Which of the following troubleshooting steps should the technician do NEXT?

A. Question users to determine if anything has changed
B. Re-establish theory of probable cause
C. Escalate problem to upper management
D. Document replacement of power supply

Answer: B

NEW QUESTION 282
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 286
A technician is installing a switch that will be used for VoIP and data traffic. The phones do not support the 802.3af standard. Which of the following should the technician configure on the switch?

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

Answer: D

NEW QUESTION 287
When a patch cable is plugged into a switch, all port activity indicators turn on and users instantly lose network connectivity. Which of the following is the MOST likely diagnosis?

A. Denial of service attack
B. MTU black hole
C. Switching loop
D. Defective patch cable

Answer: C

NEW QUESTION 289
A technician installs a wireless router on an existing network by connecting it directly to the firewall. By default, the main network is a Class A network, while the wireless network is a Class C network. After the wireless router is installed, users connected to the wireless network report they are unable to connect to the Internet. Which of the following needs to be configured to BEST resolve this issue?

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

Answer: C

NEW QUESTION 294
A technician needs to install network device in a SOHO network. The office requires 9 wired workstations to share and print data. Which of the following can the technician use?

A. A 12 port unmanaged switch.
B. A wired router with an 8 port switch and a WAN port.
C. A wireless router with an 8 port switch, and a WAN port.
D. A 8 port firewall with one console port.

Answer: A

NEW QUESTION 298
Which of the following copper cable types should be chosen to run gigabit speeds through a dropped ceiling that returns airflow?

A. Non-Plenum CAT5
B. Non-Plenum CAT5e
C. Plenum CAT5
D. Plenum CAT5e

Answer: D

Explanation:
Cat 5e is a twisted pair cable for carrying signals. This type of cable is used in structured cabling for computer networks such as Ethernet. The cable standard provides performance of up to 100 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet).

NEW QUESTION 301
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

Explanation:
* 802.11n builds upon previous 802.11 standards by adding multiple-input multiple- output (MIMO). The additional transmitter and receiver antennas allow for increased data throughput through spatial multiplexing and increased range by exploiting the spatial diversity through coding schemes like Alamouti coding. The speed is 150 Mbit/s (even 250 Mbit/s in PHY level)

NEW QUESTION 304
A Chief Executive Officer (CEO) decided that only a limited number of authorized company workstations will be able to connect to the Internet. Which of the following would BEST accomplish this goal?

A. Use content filtering
B. Install and configure IDS
C. Enable MAC address filtering
D. Enable RAS on the network firewall

Answer: C

Explanation:
Most Wi-Fi access points and routers ship with a feature called hardware or MAC address filtering. This feature is normally turned "off" by the manufacturer, because it requires a bit of effort to set up properly. However, to improve the security of your Wi-Fi LAN (WLAN), strongly consider enabling and using MAC address filtering.

NEW QUESTION 309
Which of the following connector types would be found with a VoIP system utilizing CAT6 cabling?

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

Answer: B

Explanation:
The heavier wire in some Cat 6 cables makes them too thick to attach to standard 8P8C (RJ-45) connectors without a special modular piece

NEW QUESTION 310
Which of the following fiber types is MOST often used indoors?

A. Plenum
B. Modal conditioning
C. Multimode
D. Singlemode

Answer: C

Explanation:
Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a campus. Typical multimode links have data rates of 10 Mbit/s to 10 Gbit/s over link lengths of up to 600 meters (2000 feet) and 10 Gbit/s for 300m (1000 feet) — more than sufficient for the majority of premises applications.

NEW QUESTION 311
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

Explanation:
* 802.11a standard uses the same core protocol as the original standard, operates in 5 GHz band, and uses a 52-subcarrier orthogonal frequency-division multiplexing (OFDM) with a maximum raw data rate of 54 Mbit/s, which yields realistic net achievable throughput in the mid-20 Mbit/s. The data rate is reduced to 48, 36, 24, 18, 12, 9 then 6 Mbit/s if required.

NEW QUESTION 315
Multiple networked devices running on the same physical hardware that provide central access to applications and files, where each device runs as a piece of

software are known as:

A. Virtual desktops.
B. Switches.
C. PBXs.
D. Virtual servers.

Answer: D

Explanation:
A Virtual server, usually a Web server, that shares computer resources with other virtual servers. In this context, the virtual part simply means that it is not a dedicated server -- that is, the entire computer is not dedicated to running the server software

NEW QUESTION 319
802.11n can operate at which of the following frequencies? (Select TWO).

A. 2.4Mhz
B. 2.5Mhz
C. 5Mhz
D. 2.4Ghz
E. 2.5Ghz
F. 5Ghz

Answer: DF

Explanation:
* 802.11n is an amendment which improves upon the previous 802.11 standards by
adding multiple-input multiple-output antennas (MIMO). 802.11n operates on both the 2.4 GHz and the lesser used 5 GHz bands

NEW QUESTION 324
Which of the following cable types supports the FURTHEST distance when connecting various MDFs?

A. Multimode
B. UTP
C. Singlemode
D. CAT6

Answer: C

Explanation:
Single-mode optical fiber (SMF) is an optical fiber designed to carry only a single ray of light (mode). These modes define the way the wave travels through space, i.e. how the wave is distributed in space.

NEW QUESTION 329
Which of the following would be used to connect a singlemode fiber cable to a CAT6 connection?

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

Answer: A

Explanation:
Media converters support many different data communication protocols including Ethernet, Fast Ethernet, Gigabit Ethernet, T1/E1/J1, DS3/E3, as well as multiple cabling types such as coax, twisted pair, multi-mode and single-mode fiber optics.

NEW QUESTION 331
A small office client is requesting a network redesign. Both wired and wireless devices must connect to the network. All of the wireless devices can communicate using the latest standards. The building has a long courtyard in the middle with reinforced walls, which extends up through all the floors. The distance from the switch to the furthest drop is 88 meters. Which of the following is the correct network redesign choice?

A. Fiber optic cabling is necessary due to distance limitations.
B. The wireless network should be 802.11b due to equipment limitations.
C. One WAP will be sufficient to provide wireless coverage to the floor.
D. The wired network should be run with at least CAT6 cabling.

Answer: D

Explanation:
The Category 6 cable, also known as Cat-6, is backward compatible with the Category 5/5 e and Category 3 cable standards. It can create a high speed computer network and operate at an optimal performance if other components in the network are compatible with gigabit speeds.
AdvantagE. Speed and Performance
The cable can handle speed performance of up to 250 MHZ. This fast performance makes it possible to use with a fast ethernet network including Gigabit Ethernet and 10-Gigabit Ethernet. The whole generation of the Cat 6 cable was introduced to complement the Gigabit Ethernet which includes interface cards, patch panels, routers, switches, and other components which is developed to achieve a full gigabit network. Many IT professionals realized that the Cat 6 cable provide very fast network performance and can deliver gigabit speeds.
AdvantagE. Similar Structure with Cat 5 Cable

Cat 6 cable has a similar structure to the Cat 5 and Cat 5e. The Cat 6, Cat 5 and Cat 5e cables have 8 wires that are twisted together to form four pairs. The difference is that one pair of the wires in the Cat 6 cable is kept from contacting with others so that it can produce double the bandwidth of the Cat 5 and Cat 5e.
AdvantagE. Backward Compatible
The plug and port of the Cat 6 cable is the same as the Cat 5 and Cat 5e. Therefore, it can be plugged into any port or connection that supports both of those cables. If you use the Cat 5 port, it will not yield the full speed that it is capable of handling. Instead, it will operate at the speed of the computer or cable. However, the speed will be acceptable.
AdvantagE. Upgradable
If upgrading to a more optimal network, the Cat 6 cable should be included in part of the upgrade. The Cat 6 cable will not operate at the full speed if other units in the network does not support gigabit speeds. Small businesses that are starting should consider installing the Cat 6 cable since
it is becoming the industry standard.

NEW QUESTION 335
Which of the following is the MAXIMUM potential speed of CAT5e UTP cable?

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

Answer: D

Explanation:
Category 5 e cable (Cat 5) is a twisted pair cable for carrying signals. This type of cable is use in structured cabling for computer networks such as Ethernet. The cable standard provides performance of up to 100 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet),
and 1000BASE-T (Gigabit Ethernet).

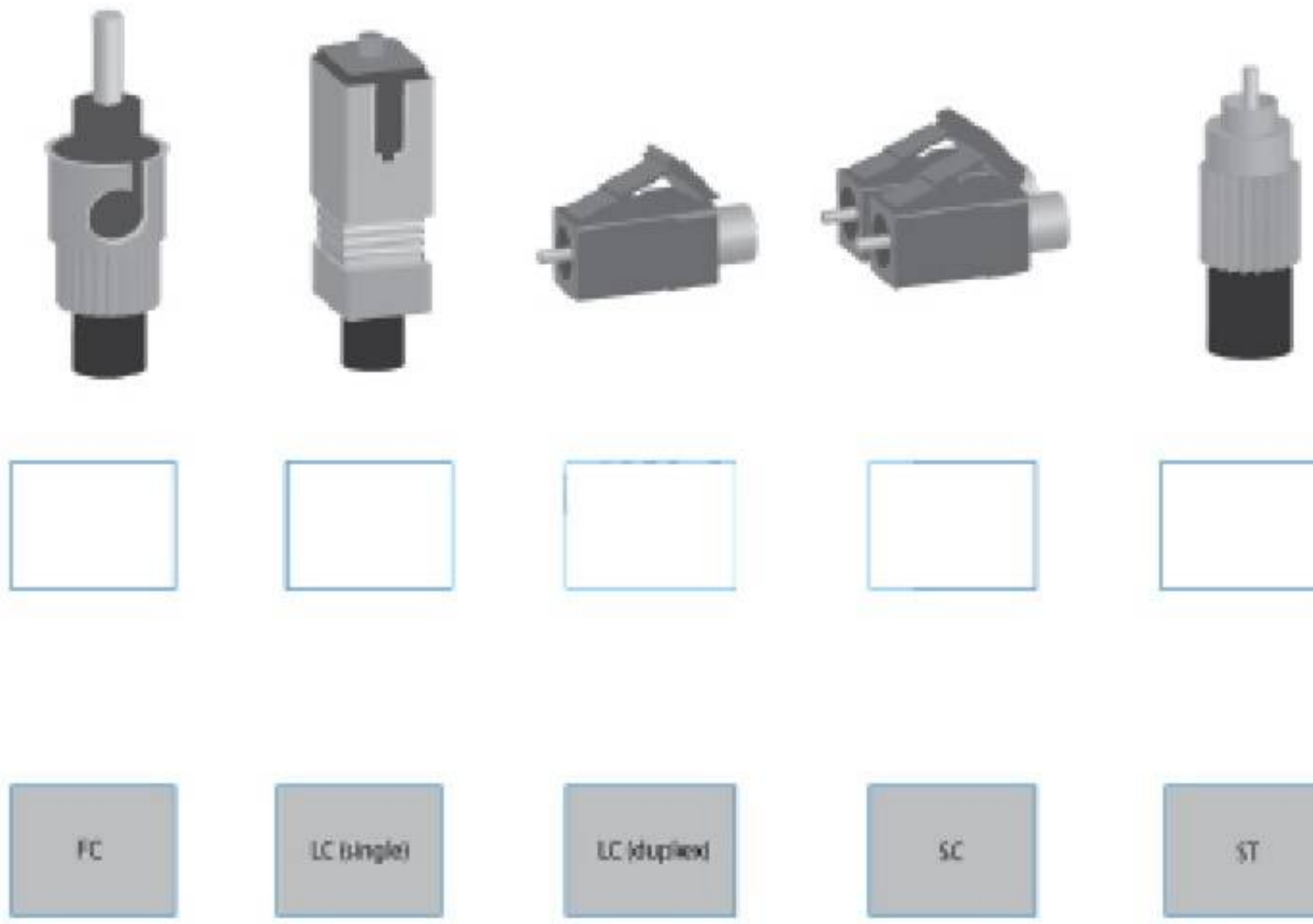
NEW QUESTION 340
Which of the following technologies allows multiple staff members to connect back to a centralized office?

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

Answer: B

Explanation:
VPN enables a computer to send and receive data across shared or public networks as if it were directly connected to the private network, while benefiting from the functionality, security and management policies of the private network. This is done by establishing a
virtual point-to-point connection through the use of dedicated connections, encryption, or a combination of the two.

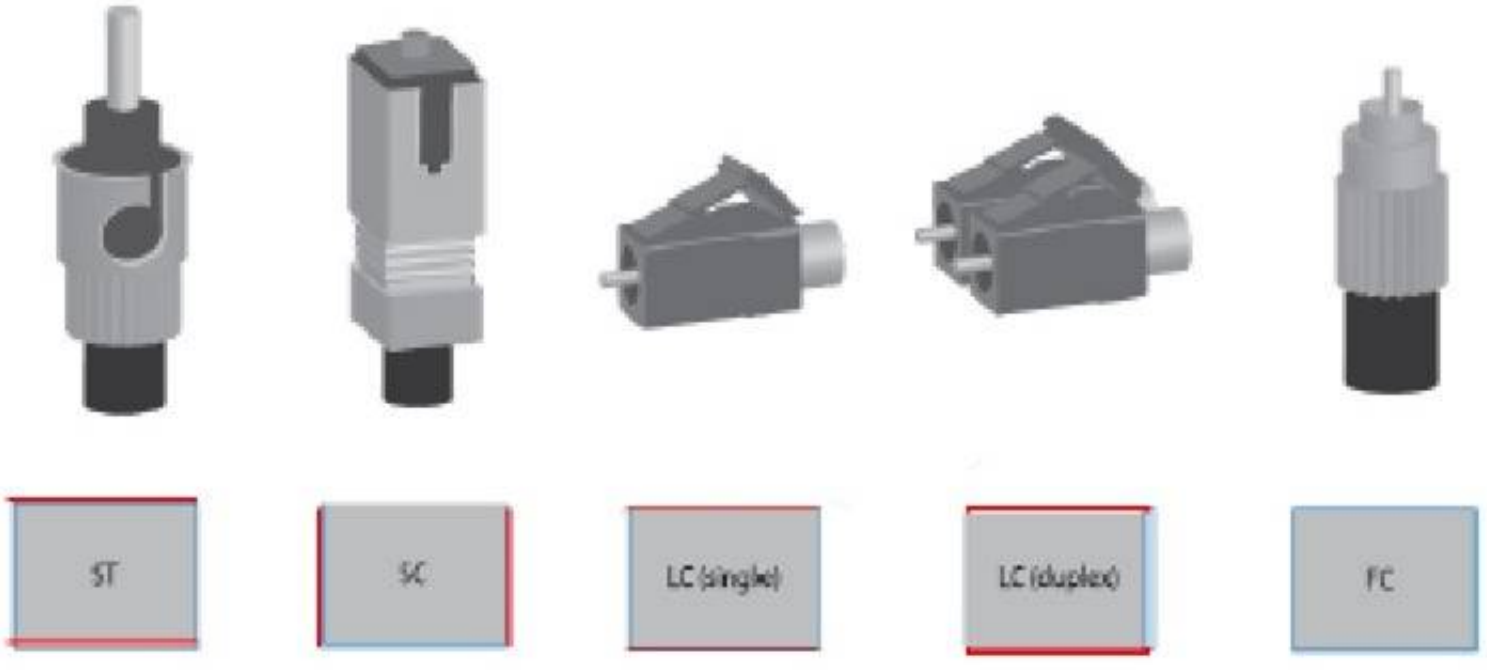
NEW QUESTION 341
DRAG DROP
Drag and drop the fiber cable connection types to the appropriate image.



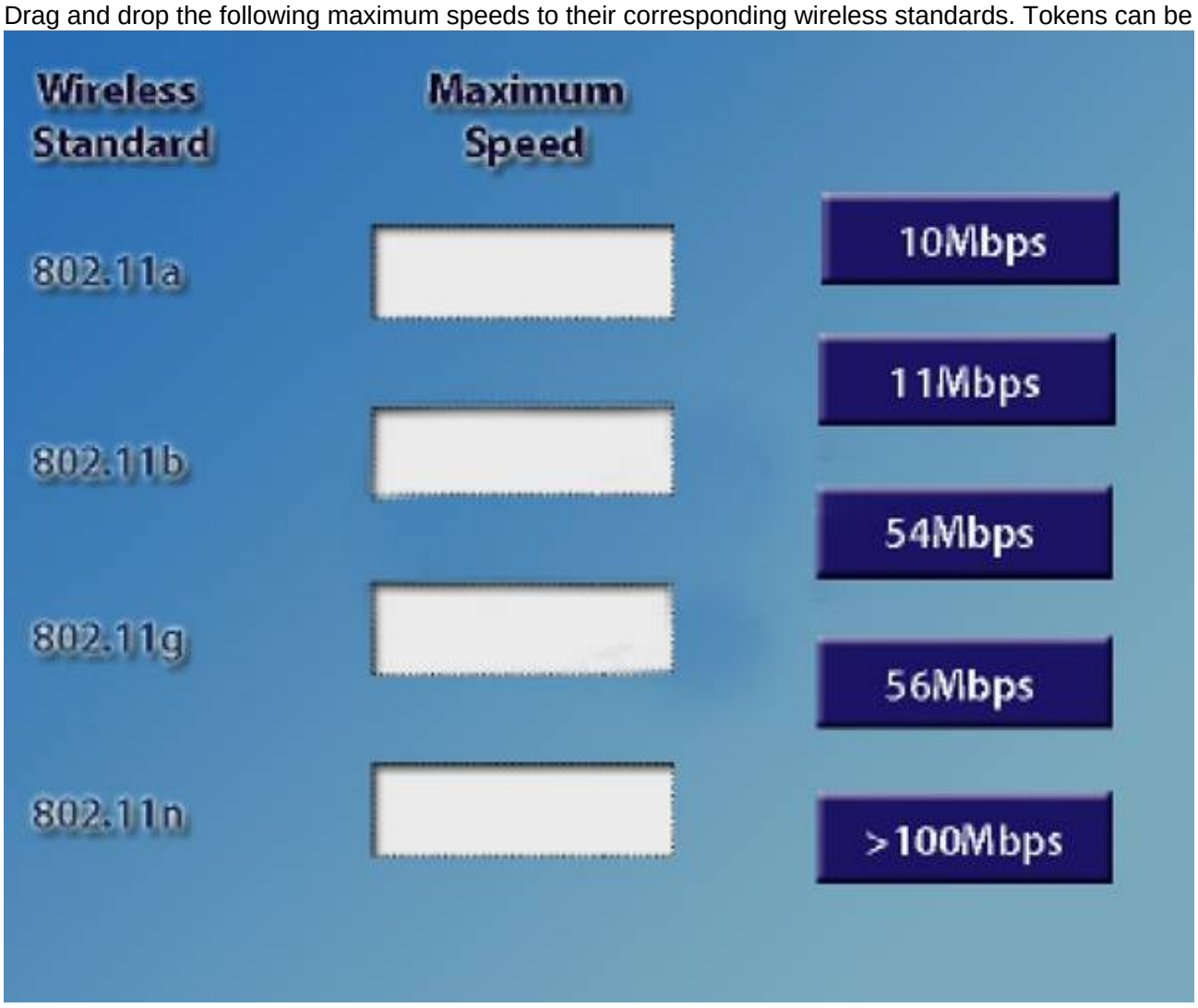
A. Mastered
B. Not Mastered

Answer: A

Explanation:



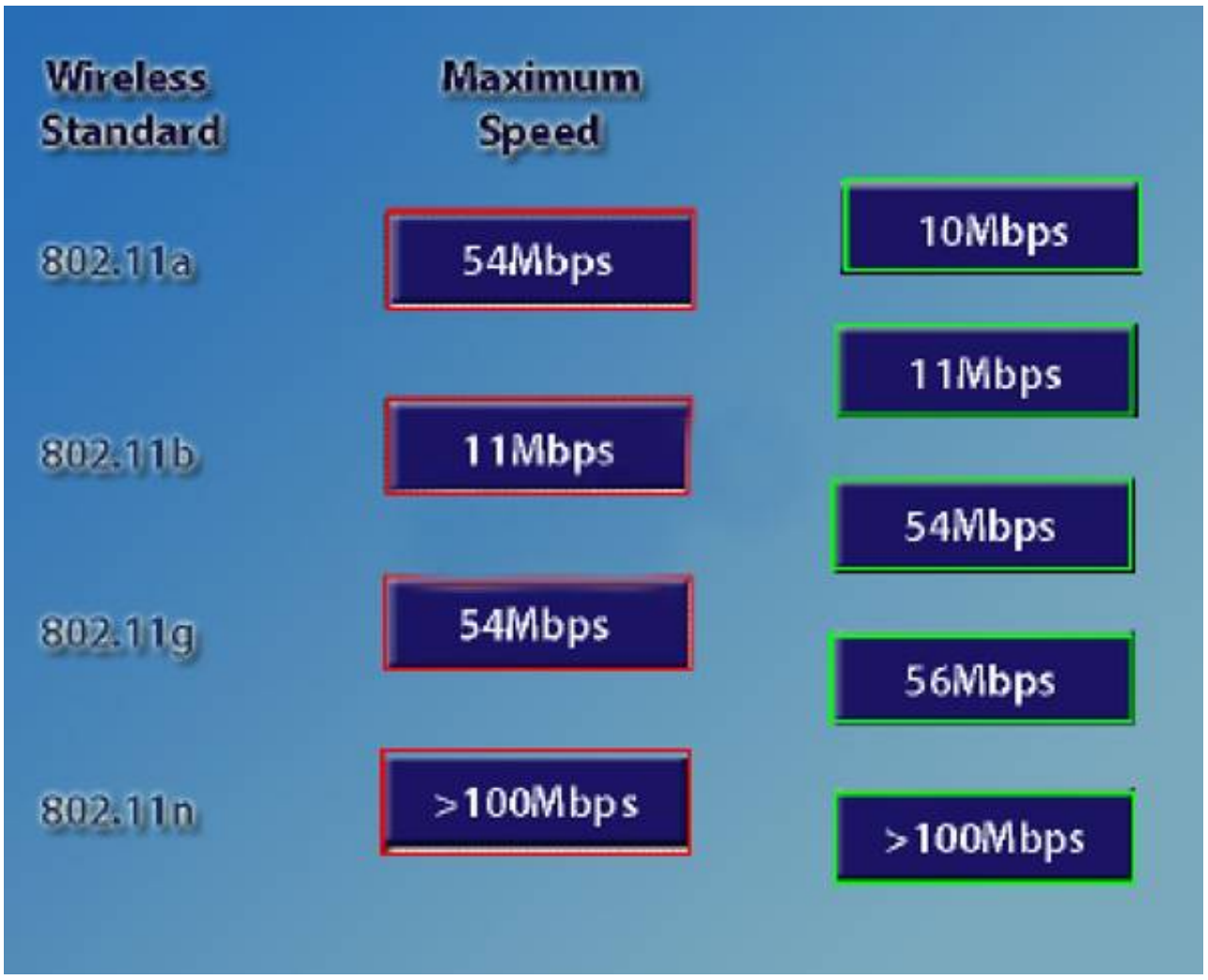
NEW QUESTION 343
DRAG DROP
Drag and drop the following maximum speeds to their corresponding wireless standards. Tokens can be used more than once.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 344
Which of the following can operate on BOTH the 2.4GHz and 5.8GHz frequencies?

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

Answer: D

NEW QUESTION 348
A consultant has been hired to wire a simple small office of ten computers to a layer 2 Ethernet 100BaseT switch. Which of the following cabling will be needed for the installation?

A. Multimode fiber
B. RG-59 coaxial
C. CAT6a
D. CAT3

Answer: C

NEW QUESTION 353
Which of the following wireless standards can operate on the same frequency but are not compatible?

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

Answer: B

NEW QUESTION 355
Which wireless standard works at a MAXIMUM data rate of up to 11Mbps?

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

Answer: B

NEW QUESTION 359
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 364
Which of the following 802.3 classifications has a MAXIMUM segment distance of 984 feet (300 meters)?

A. 1000Base
B. 100BaseFX
C. 1000BaseSX
D. 1000BaseT

Answer: C

NEW QUESTION 368
Which of the following is a fiber connector type?

A. F-connector
B. RJ-11
C. RS-232
D. MTRJ

Answer: D

NEW QUESTION 372
A technician can increase the bandwidth of an 802.11n cell by:

A. doubling the channel width.
B. enabling diversity.
C. disabling MIMO.
D. adding a second access point.

Answer: A

NEW QUESTION 377
Which of the following types of connectors is used with a CAT6 Ethernet cable?

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

Answer: A

NEW QUESTION 379
The network administrator just upgraded all of the WAPs to new ones with 2.4 GHz b/g/n support. The new WAPs reuse the same location and channel as the previous one and with no new external interference detected. However, performance issues are now occurring that did not exist before. Which of the following would correct the issue?

A. Configure Wi-Fi Multimedia support
B. Use only 20 MHz channel bandwidth
C. Enable band steering to use 802.11n
D. Configure Quality of Service

Answer: B

NEW QUESTION 383
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 384
Which of the following network topologies is ONLY possible between two users?

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

Answer: D

NEW QUESTION 387
A technician is installing an 802.11n network. The technician is using a laptop that can connect at a maximum speed of 11 Mbps. The technician has configured the 802.11n network correctly but thinks it could be the type of WLAN card used on the laptop. Which of the following wireless standards is the WLAN card MOST likely using?

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

Answer: B

NEW QUESTION 391
A company recently added an addition to their office building. A technician runs new plenum network cables from the switch on one side of the company's gymnasium 80 meters (262 ft.) to the new offices on the other side, draping the wires across the light fixtures. Users working out of the new offices in the addition complain of intermittent network connectivity. Which of the following is MOST likely the cause of the connectivity issue?

A. dB loss
B. Distance
C. Incorrect connector type
D. EMI
E. Crosstalk

Answer: D

NEW QUESTION 395
A company is connected to an ISP, but owns the premise router with an internal CSU/DSU. Which of the following is considered the demarc?

A. Premise router
B. ISP router
C. Smart jack
D. CSU/DSU

Answer: C

NEW QUESTION 396
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 399
Which of the following cable types is employed to protect against interference in the physical environment or when security is a concern?

A. STP
B. RG-6
C. Fiber
D. RG-59

Answer: C

NEW QUESTION 400
Which of the following wiring distribution is used to connect wiring from equipment inside a company to carrier cabling outside a building?

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

Answer: C

NEW QUESTION 402
Which of the following is MOST commonly used with a fiber-optic network backbone?

A. 100BaseFX
B. 100BaseT
C. 100BaseTX

D. 1000BaseCX

Answer: A

NEW QUESTION 407
Which of the following technologies has more non-overlapping channels to utilize in a wireless LAN?

A. 802.11a
B. 802.11b
C. 802.11i

Answer: A

NEW QUESTION 411
A technician installs a new CAT6 cable from one end of the office building to another, a total distance of 600 feet (182.88 meters). When a laptop is connected to the cable, it cannot connect to the Internet. Which of the following is MOST likely the cause of this problem?

A. Bad connectors
B. Crosstalk
C. DB loss
D. TXRX reversed

Answer: C

NEW QUESTION 414
A technician is tasked with replacing some older RS-232 serial printers. Which of the following ports would the technician most likely find on these printers?

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

Answer: B

NEW QUESTION 417
An 802.11b wireless network has a maximum data rate of:

A. 11 Mbps.
B. 20 Mbps.
C. 28 Mbps.
D. 54 Mbps.

Answer: A

NEW QUESTION 420
A cable with visible space between the ends of the copper wires and the RJ-45 connector will cause which of the following problems to occur?

A. EMI
B. Short
C. Reversed TXRX
D. dB loss

Answer: B

NEW QUESTION 425
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 428
Which of the following is the MAXIMUM data transmission rate of 802.11a?

A. 8Mbps
B. 11Mbps
C. 54Mbps
D. 107Mbps

Answer: C

NEW QUESTION 432
A VoIP system running over a wireless network link is continually being reported as choppy. Which of the following is the cause of this issue?

A. Frequency
B. Latency
C. Interference
D. Encryption type

Answer: B

NEW QUESTION 435
Which of the following network topologies is MOST likely used in remote access VPN?

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

Answer: A

NEW QUESTION 439
A technician has been called about intermittent connectivity near IDF 2. Multiple cables were recently pulled through a common conduit. Which of the following is MOST likely the cause of the problem?

A. Crosstalk
B. Bad connectors
C. Wrong DNS
D. Duplicate IP address

Answer: A

NEW QUESTION 444
Which of the following allows 802.11n higher transfer speeds than the previous wireless standards?

A. Dual frequency
B. Enhanced encryption
C. MIMO technology
D. Backwards compatibility

Answer: C

NEW QUESTION 449
A network administrator needs to ensure there is no same channel interference for an 802.11n deployment with four WAPs. Which of the following channel setting configurations meets this criteria when using 40 MHz channels?

A. 36, 40, 44, 48
B. 36, 44, 52, 60
C. 36, 44, 48, 52
D. 36, 48, 60, 64

Answer: B

NEW QUESTION 450
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 451
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 453
Which of the following would a technician do to monitor remote traffic through an access point?

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

Answer: A

Explanation:
Large networks with hundreds or thousands of nodes are difficult to manage without a large staff to monitor every computer. SNMP, which is widely used in local area networks (LANs), lets you monitor network nodes from a management host. You can monitor network devices such as servers, workstations, printers, routers, bridges, and hubs, as well as services such as Dynamic Host Configuration Protocol (DHCP) or Windows Internet Name Service (WINS).

NEW QUESTION 454
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

Explanation:
nslookup is a network utility program used to obtain information about Internet servers. As its name suggests, the utility finds name server information for domains by querying DNS.

NEW QUESTION 456
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

Explanation:
Establish a theory means to correlate the finding and cause of a problem in order to fix the problem.

NEW QUESTION 459
Which of the following would MOST likely be used by a network administrator to test DNS resolution?

A. dig
B. ipconfig
C. netstat
D. nbtstat

Answer: A

Explanation:
The command dig is a tool for querying DNS nameservers for information about host addresses, mail exchanges, nameservers, and related information. This tool can be used from any Linux (Unix) or Macintosh OS X operating system. The most typical use of dig is to simply query a single host.

NEW QUESTION 462
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

Explanation:
To give every user same ip every time because we have to document that ip slot we use static ip configuration.

NEW QUESTION 466
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

Explanation:
ipconfig is a commmand line utility available on all versions of Microsoft Windows starting with Windows NT. ipconfig is designed to be run from the Windows command prompt. This utility allows you to get the IP address information of a Windows computer. It also allows some control over active TCP/IP connections. ipconfig is an alternative to the older 'winipcfg' utility.

NEW QUESTION 469
A customer is implementing a VoIP infrastructure using an existing network. The customer currently has all network devices on the same subnet and would like the phones to be powered without the use of an AC adapter. Which of the following features should be enabled and configured to allow for reliable performance of the VoIP system? (Select THREE).

A. WEP
B. PoE
C. VLANs
D. SSL VPN
E. IDS
F. QoS

Answer: BCF

Explanation:
As customer don’t want to use Ac adapter so Power over Ethernet is best option (PoE) as in this
switch provide power to phones.Phones will transfer their power requirement via cdp to vlan assigned.And Qos provide the voice packet priority over the data packets to avoid jitter.

NEW QUESTION 471
Which of the following should be used when throughput to the destination network is a priority?

A. MTU
B. Hop count
C. Reliability of the path
D. Bandwidth

Answer: D

NEW QUESTION 472
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

Explanation:
Network sniffer is a computer program or a piece of computer hardware that can intercept and log traffic passing over a digital network or part of a network. As data streams flow across the network, the sniffer captures each packet and, if needed, decodes the packet's raw data, showing the values of various fields in the packet, and analyzes its content according to the appropriate RFC or other specifications.

NEW QUESTION 476
A network administrator wants to see what ports are open on a server. Which of the following commands will show open ports?

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

Answer: A

Explanation:
Netstat command displays various network related information such as network connections, routing tables, interface statistics, masquerade connections, multicast memberships etc.

NEW QUESTION 479
Users report that an internal file server is inaccessible. Of the following commands, which would be the MOST useful in determining network-layer connectivity?

A. dig
B. nbtstat
C. netstat
D. ping

Answer: D

Explanation:

The Nbstat command is a great command to use when you need to display the NetBIOS over TCP/IP protocol statistics. The Nbstat command can also be used to display NetBIOS name tables for both local and remote computers.

NEW QUESTION 482
A customer with a SOHO requires fast, secure, cost-effective access to the Internet. Which of the following would be the MOST appropriate solution? (Select TWO).

A. OC3 line with built-in firewall
B. DS3 line with a separate firewall
C. Cable modem with a separate firewall
D. Dial-up modem with separate firewall
E. DSL router with firewall capabilities

Answer: CE

NEW QUESTION 484
Users report that they are unable to access any external websites. The local intranet is not affected. A network technician has isolated the problem to a Linux-based server. Which of the following commands will enable the technician to view DNS information on the Linux-based server?

A. nbtstat
B. ipconfig
C. dig
D. netstat

Answer: C

Explanation:
By dig command technician will come to know wheather name resolution is happening in correc way or not.

NEW QUESTION 487
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

Explanation:
As application logs provide the user wheather application is compatible with system or not.Or what is the cuase which is making trouble.

NEW QUESTION 489
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 492
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 493
A company needs to find a way to best route latency-sensitive traffic appropriately on an already congested network. Which of the following would be BEST suited for this purpose?

A. QoS
B. PPPoE
C. RADIUS
D. VPN

Answer: A

NEW QUESTION 494

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 496
A large company has experienced Internet slowdowns as users have increased their use of the Internet. Which of the following can the Network Administrator use to determine the amount of bandwidth used by type of application?

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

Answer: B

NEW QUESTION 498
Which of the following can a technician use when installing a wireless network in a lounge to prevent inappropriate website images?

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

Answer: A

NEW QUESTION 502
A company has gone through several upgrades on their network but unfortunately have no way of identifying who approved the upgrades. Which of the following should be implemented to track this type of work?

A. Change management
B. Asset management
C. Access log
D. Baselines

Answer: A

NEW QUESTION 504
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 509
Which of the following is used to explain guidelines for users while using network resources?

A. Network cut sheet
B. Baselines
C. Acceptable use policy
D. Regulations

Answer: C

NEW QUESTION 514
Which of the following commands can be used on a server to display IP information for a given interface?

A. nbtstat
B. dig
C. ifconfig
D. msconfig

Answer: C

NEW QUESTION 518
Which of the following can a technician use when a company implements redundant WAN links?

A. Content filter

B. Load balancer
C. Proxy server
D. VPN concentrator

Answer: B

NEW QUESTION 521
Which of the following requires congestion to occur before enabling traffic prioritization?

A. Quality of Service
B. IGMP snooping
C. Flow control
D. WAN optimization

Answer: A

NEW QUESTION 524
An administrator has added QoS settings to the LAN switches prioritizing RTP. Which of the following systems is the Administrator MOST concerned with in this scenario?

A. Phone communications
B. Web site downloads
C. Streaming video clients
D. Client bittorrent abilities

Answer: A

NEW QUESTION 529
Which of the following network performance optimization methods allows for frequently accessed sites to be housed locally, thereby reducing bandwidth requirements?

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

Answer: C

NEW QUESTION 534
An IT manager is looking for a solution that can easily trace back suspicious Internet browsing to particular users at a company. Which of the following can BEST provide this functionality?

A. Layer 3 managed switch
B. VPN concentrator
C. Load balancer
D. Content filter

Answer: D

NEW QUESTION 535
The network technician is working in an office that has both VoIP telephone lines and analog lines. A user states that the fax machine is not sending or receiving faxes. The network technician determines that the fax machine uses an analog phone line. Which of the following tools would the technician use to troubleshoot the issue?

A. Cable tester
B. Buttset
C. Toner probe
D. Cable certifier

Answer: B

NEW QUESTION 539
Which of the following tools would a technician use to determine if a CAT6 cable is properly terminated?

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

Answer: A

NEW QUESTION 543
A company wants an administrator to perform a vulnerability test. The administrator finds the company has a POTS phone system. Which of the following can the administrator use to point out the phone system vulnerability?

A. Honeypot
B. Butt set
C. Spyware
D. Blue jacking

Answer: B

NEW QUESTION 544
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 547
When implementing video streaming from the Internet to an always on device, it is best to employ which of the following services to minimize latency issues?

A. QoS
B. EIGRP
C. PPTP
D. OSPF

Answer: A

NEW QUESTION 549
A technician is having trouble identifying a computer on a network. The technician has the IP address of the computer, but needs to find the hostname of the computer. Which of the following commands should the technician use?

A. ipconfig /a
B. ping -t
C. ping -a

Answer: C

NEW QUESTION 552
The company's main server is using 98% of its available resources and Joe needs to evenly distribute the work to another server using which of the following?

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

Answer: D

NEW QUESTION 553
A technician sets up a network with multiple WAN connections, backup power sources, multiple firewalls, and a mesh configuration for network switching. All of the software and hardware has fault detection designed to provide a system with minimal down time. Which of the following is the BEST example of this optimization method?

A. Load balancing
B. High availability
C. Caching engines
D. Quality of Service

Answer: B

NEW QUESTION 556
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 561
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 565
A technician needs to verify the time of a power outage. Which of the following may be used to determine this information?

A. Network baseline
B. Tracert
C. System logs
D. Protocol analyzer

Answer: C

NEW QUESTION 570
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 573
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

Explanation:
DES encryption algorithm encrypts data three times. Three 64-bit keys are used, instead of one, for an overall key length of 192 bits (the first encryption is encrypted with second
key, and the resulting cipher text is again encrypted with a third key).

NEW QUESTION 577
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

Explanation:
DMZ-is a physical or logical subnetwork that contains and exposes an
organization's external-facing services to a larger and untrusted network, usually the Internet. The
purpose of a DMZ is to add an additional layer of security to an organization's local area network (LAN); an external attacker only has access to equipment in the DMZ, rather than any other part of the network.

NEW QUESTION 581
An unusual amount of activity is coming into one of the switches in an IDF. A malware attack is suspected. Which of the following tools would appropriately diagnose the problem?

A. Cable tester
B. Protocol analyzer
C. Load balancer
D. OTDR

Answer: B

Explanation:
A packet analyzer is a computer program or a piece of computer hardware that c intercept and log traffic passing over a digital network or part of a network.As data streams flow across the network, the sniffer captures each packet and, if needed, decodes the packet's raw
data, showing the values of various fields in the packet, and analyzes its content.

NEW QUESTION 585
Which of the following can a network technician change to help limit war driving?

A. Signal strength
B. SSID
C. Frequency
D. Channel

Answer: A

Explanation:
War driving is a term used to describe the process of a hacker who, armed with a laptop and a wireless adapter card and traveling via a car, bus, subway train, or other form of mechanized transport, goes around sniffing for WLANs. Over time, the hacker builds up a database comprising the network name, signal strength, location, and ip/namespace in use..

NEW QUESTION 588
Which of the following uses SSL encryption?

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

Answer: C

Explanation:
HTTPS is the result of simply layering the Hypertext Transfer Protocol (HTTP) on top of the SSL/TLS protocol, thus adding the security capabilities of SSL/TLS to standard HTTP communications.

NEW QUESTION 593
Management has decided that they want a high level of security. They do not want Internet requests coming directly from users. Which of the following is the BEST recommendation?

A. Content filter
B. Proxy server
C. Layer 3 switch
D. Firewall

Answer: B

Explanation:
A proxy server is a server (a computer system or an application) that acts as an intermediary for requests from clients seeking resources from other servers.

NEW QUESTION 594
A customer wants to increase firewall security. Which of the following are common reasons for implementing port security on the firewall? (Select TWO).

A. Preventing dictionary attacks on user passwords
B. Reducing spam from outside email sources
C. Shielding servers from attacks on internal services
D. Blocking external probes for vulnerabilities
E. Directing DNS queries to the primary server

Answer: CD

Explanation:
Port security is required because if we keep the ports unsecure then hackers can do port scanning and can compromise the internal secured network so we will have to shield servers to avoid attacks from outside and we need to block incoming scanning request coming from outside.

NEW QUESTION 595
A small office has created an annex in an adjacent office space just 20 feet (6 meters) away. A network administrator is assigned to provide connectivity between the existing office and the new office. Which of the following solutions provides the MOST security from third party tampering?

A. CAT5e connection between offices via the patch panel located in building's communication closet.
B. CAT5e cable run through ceiling in the public space between offices.
C. VPN between routers located in each office space.
D. A WEP encrypted wireless bridge with directional antennae between offices.

Answer: C

Explanation:
A VPN connection across the Internet is similar to a wide area network (WAN) link between the sites. From a user perspective, the extended network resources are accessed in the same way as resources available from the private network.

NEW QUESTION 600
Users at a remote site are unable to establish a VPN to the main office. At which of the following layers of the OSI model does the problem MOST likely reside?

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

Answer: D

NEW QUESTION 603
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

Explanation:
In computer science, a cache is a component that transparently stores data so that future requests for that data can be served faster. The data that is stored within a cache might be values that have been computed earlier or duplicates of original values that are stored elsewhere. If requested data is contained in the cache (cache hit), this request can be served by simply reading the cache, which is comparatively faster.

NEW QUESTION 605
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

Explanation:
The VPN Concentrator is used for Remote Access VPN's. In typical use, a Remote Access VPN allows users to use an encrypted tunnel to securely access a corporate or other network via the Internet.

NEW QUESTION 609
Which of the following wireless security measures, although widely implemented, does not provide strong security?

A. IPSec
B. WPA2
C. MAC address filtering
D. 802.1x

Answer: C

Explanation:
By MAC address filtering you can only filter layer 2 traffic but in security system layer 4 and layer 4
security is also essential.

NEW QUESTION 610
Which of the following does Kerberos provide?

A. Non-repudiation
B. Accounting
C. Exchange
D. Authentication

Answer: D

Explanation:
Kerberos is a trusted third-party authentication service based on the model presented by Needham and Schroeder. It is trusted in the sense that each of its clients believes Kerberos' judgment as to the identity of each of its other clients to be accurate.

NEW QUESTION 614
Which of the following security methods is used to attract users attempting to gain unauthorized access to various systems within a single network?

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

Answer: D

Explanation:
A network-based intrusion prevention system (NIPS) is a system used to monitor a network as well as protect the confidentiality, integrity, and availability of a network. Its main functions include protecting the network from threats, such as denial of service (DoS) and unauthorized usage.

NEW QUESTION 617
A corporate office recently had a security audit and the IT manager has decided to implement very strict security standards. The following requirements are now in

place for each employee logging into the network:
Biometric fingerprint scan Complex 12 character password 5 digit pin code authorization
Randomized security question prompt upon login
Which of the following security setups does this company employ?

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

Answer: C

Explanation:
According to proponents, two-factor authentication could drastically reduce the incidence of online identity theft, phishing expeditions, and other online fraud, because the victim's password would no longer be enough to give a thief access to their information.

NEW QUESTION 619
Which of the following remote access types requires a certificate for connectivity?

A. SSH
B. PPP
C. HTTPS
D. WEP

Answer: A

Explanation:
Secure Shell (SSH) is a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers that connects, via a secure channel over an insecure network, a server and a client (running SSH server and SSH client programs, respectively)

NEW QUESTION 624
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

Explanation:
A file used by the debugger. It contains information about a program's structure and contents. The
Compiler creates the dictionary file in the first phase of compilation, when checking the syntax. A dictionary file has the filename extension .idy, and is often referred to an .idy file.

NEW QUESTION 629
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

Explanation:
An evil twin is the wireless version of the phishing scam. An attacker fools wireless users into connecting a laptop or mobile phone to a tainted hotspot by posing as a legitimate provider.This type of evil twin attack may be used to steal the passwords of unsuspecting users by either snooping the communication link or by phishing, which involves setting up a fraudulent web site and luring people there.

NEW QUESTION 631
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

Explanation:
DDoS attack, a type of attack on a network that is designed to bring the network to its knees by flooding it with useless traffic. Many DoS attacks, such as the Ping of Death and Teardrop attacks, exploit limitations in the TCP/IP protocols

NEW QUESTION 632

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

Explanation:
A PKI (public key infrastructure) enables users of a basically unsecure public network such as the Internet to securely and privately exchange data and money through the use of a public and a private cryptographic key pair that is obtained and shared through a trusted authority. The public key infrastructure provides for a digital certificate that can identify an individual or an organization and directory services that can store and, when necessary, revoke the certificates. Although the components of a PKI are generally

NEW QUESTION 636
Which of the following protocols is used to provide secure authentication and encryption over non- secure networks?

A. RADIUS
B. TLS
C. PPTP
D. HTTP

Answer: B

NEW QUESTION 637
Which of the following would be used in a firewall to block incoming TCP packets that are not from established connections?

A. Access control lists
B. Port address translation
C. Blocking unauthorized ports
D. Stateful inspection

Answer: D

NEW QUESTION 640
Which of the following would a network administrator use to scan a network for vulnerabilities?

A. ICMP
B. NMAP
C. ACL
D. TCPDUMP

Answer: B

NEW QUESTION 642
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 645
Which of the following wireless router security measures provides access to a network by allowing only devices on an approved physical address list?

A. Port filtering
B. MAC filtering
C. SSID masking
D. Port forwarding

Answer: B

NEW QUESTION 649
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 654
Which of the following provides the STRONGEST security for a tunneled connection over the Internet?

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

Answer: D

NEW QUESTION 656
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 659
Which of the following can use a third party back-end LDAP user database for authentication?

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

Answer: B

NEW QUESTION 661
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 662
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 663
Which of the following is the wireless encryption standard associated with WPA2?

A. AES-CCMP
B. EAP
C. WEP
D. 802.1x

Answer: A

NEW QUESTION 665
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 667
Joe, a network technician, is implementing a wireless network and needs to support legacy devices. He has selected to use WPA mixed mode. WPA mixed mode is normally implemented with which of the following encryption factors? (Select TWO).

A. SSH

B. 3DES
C. AES
D. SSL
E. TLS
F. TKIP

Answer: CF

NEW QUESTION 670
Which of the following is a common threat that collects Initialization Vectors to help speed up the algorithm for the attack?

A. WEP cracking
B. WPA cracking
C. War driving
D. Rogue access point

Answer: A

NEW QUESTION 673
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 677
Which of the following attacks is spread by attaching themselves to files?

A. Worms
B. Botnet
C. DDoS
D. FTP bounce

Answer: A

NEW QUESTION 679
An administrator would like to search for network vulnerabilities on servers, routers, and embedded appliances. Which of the following tools would MOST likely accomplish this?

A. Baseline analyzer
B. Ping
C. Protocol analyzer
D. Nessus

Answer: D

NEW QUESTION 683
A firewall that detects and prevents attacks from outside the network based on learned data patterns can BEST be described as which of the following?

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

Answer: B

NEW QUESTION 687
A company wants to have a security zone to isolate traffic within the firewall. Which of the following could be used?

A. VPN
B. ACL
C. DMZ
D. VLAN

Answer: C

NEW QUESTION 691
Which of the following would a network administrator MOST likely use to actively discover unsecure services running on a company's network?

A. IDS
B. Nessus
C. NMAP

D. Firewall

Answer: B

NEW QUESTION 695
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 696
Which of the following protocols would be MOST likely found to be running on a device in a SOHO environment?

A. BGP
B. SONET
C. IPSec
D. OSPF

Answer: C

NEW QUESTION 697
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 698
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