

Exam Questions JK0-019

CompTIA Network+ Certification Exam (JK0-019)

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NEW QUESTION 1

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 2

On which of the following OSI model layers would a MAC address be used?

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

Answer: B

Explanation:

The ITU-T G.hn standard, which provides high-speed local area networking over existing wires (power lines, phone lines and coaxial cables), includes a complete data link layer which provides both error correction and flow control by means of a selective repeat Sliding Window Protocol.

NEW QUESTION 3

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 4

Which of the following properties of DHCP would a technician use to ensure an IP address is not leased out from the active scope?

- A. Reservations
- B. Lease times
- C. Removing IPs from the active leases
- D. Configuring the DNS options

Answer: A

Explanation:

Reservations are permanent lease assignments that are used to ensure that a specified client on a subnet can always use the same IP address. You can use DHCP reservations for hosts that require a consistent IP address, but do not need to be statically configured.

NEW QUESTION 5

A user wants to connect seven PCs together for a game night. Which of the following should the user install to help with this task?

- A. Media convertor
- B. Switch
- C. Firewall
- D. Bridge

Answer: B

Explanation:

They connect multiple PCs, printers, servers and other hardware. Switches allow you to send information, such as email, and access shared resources, including printers, in a smooth, efficient, and transparent manner.

NEW QUESTION 6

Which of the following defines the amount of time a host retains a specific IP address before it is renewed or released?

- A. DHCP lease
- B. DNS suffix
- C. Subnet mask

D. DHCP reservation

Answer: A

Explanation:

By default, each IP address assigned by a DHCP Server comes with a one-day lease, which is the amount of time that the address is valid.

NEW QUESTION 7

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 8

Ann, a technician, installs a new WAP and users are able to connect; however, users cannot access the Internet. Which of the following is the MOST likely cause of the problem?

- A. The signal strength has been degraded and latency is increasing hop count.
- B. An incorrect subnet mask has been entered in the WAP configuration.
- C. The signal strength has been degraded and packets are being lost.
- D. Users have specified the wrong encryption type and routes are being rejected.

Answer: B

Explanation:

Due to wrong subnet entered user is unable to communicate with anyone so to communicate he needs to be in right subnet.

NEW QUESTION 9

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

Explanation:

In Dynamic IP addressing all the hosts with private ip address will be patted to the same ip so the administrator will not have to keep track of each and every host with private ip mapped to a static public ip address.

NEW QUESTION 10

Discover, Offer, Request, and Acknowledge are the steps for which of the following protocols?

- A. DNS
- B. DOS
- C. DHCP
- D. DSL

Answer: C

Explanation:

when we install a dhcp server into our network then dhcp server works on the basis of dora process first dhcp server sends a hello message in to the network to discover the clients pc and when any client pc found in the network then, dhcp server offers the IP to client pc. When client pc selects any IP from dhcp server then client pc request for selected IP to dhcp server then dhcp server provide that IP to client pc and both send acknowledgement to each other.

NEW QUESTION 10

Which of the following uses port 23 by default?

- A. TELNET
- B. IMAP
- C. FTP
- D. SNMP

Answer: A

Explanation:

Telnet is a network protocol used on the Internet or local area networks to provide a bidirectional interactive text-oriented communication facility using a virtual terminal connection. User data is interspersed in-band with Telnet control information in an 8-bit byte oriented data connection over the Transmission Control Protocol (TCP).

NEW QUESTION 15

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

Explanation:

The given ip address is network id which we don't assign to the host so the next ip is applicable to this.

NEW QUESTION 18

Which of the following DNS records is used to identify a domain's SMTP server?

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

Answer: C

Explanation:

A mail exchanger record (MX record) is a type of resource record in the Domain Name System that specifies a mail server responsible for accepting email messages on behalf of a recipient's domain, and a preference value used to prioritize mail delivery if multiple mail servers are available. The set of MX records of a domain name specifies how email should be routed with the Simple Mail Transfer Protocol (SMTP).

NEW QUESTION 19

Which of the following port numbers is used for SNMP?

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

Answer: C

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, UPSes and more. It is used mostly in network management systems to monitor network-attached devices for conditions that warrant administrative attention.

NEW QUESTION 24

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 27

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 28

In order to limit the number of dynamic addresses of hosts on a network, which of the following can be implemented?

- A. Scope options
- B. Leases
- C. Reservations
- D. DNS suffixes

Answer: A

NEW QUESTION 32

Which of the following networking devices can exist at several layers of the OSI model at the same time? (Select TWO).

- A. Switch
- B. Cable
- C. Repeater
- D. Router
- E. Bridge
- F. Hub

Answer: AD

Explanation:

A Multilayer Switch and Router work from OSI layer 2, 3 or 4 to IP DSCP (if IP packet) and/or VLAN IEEE 802.1p.

NEW QUESTION 33

Which of the following can function in an unsecure mode?

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

Answer: A

Explanation:

SNMPv3 makes no changes to the protocol aside from the addition of cryptographic security, it looks much different due to new textual conventions, concepts, and terminology. SNMPv3 primarily added security and remote configuration enhancements to SNMP

NEW QUESTION 35

Which of the following is a common physical network topology?

- A. Cross-over
- B. Loopback
- C. Star
- D. Straight

Answer: C

Explanation:

A star network consists of one central switch, hub or computer, which acts as a conduit to transmit messages. This consists of a central node, to which all other nodes are connected; this central node provides a common connection point for all nodes through a hub. In star topology, every node (computer workstation or any other peripheral) is connected to central node called hub or switch.

NEW QUESTION 40

Which of the following is always true when a router selects a destination?

- A. The default gateway is selected over any other static or dynamic route.
- B. The shortest route is always selected.
- C. The most specific route is selected over the default gateway.
- D. A dynamic route is selected over a directly attached network.

Answer: C

Explanation:

Router always looks for the most closely matched route for forwarding the packet. For example if there are two routes in your router and you have to send a packet to a host with an ip 10.10.10.10 then it will forward packet to 192.168.1.10 rather than 192.168.1.1:

Network Destination Netmask Gateway 0.0.0.0 0.0.0.0 192.168.1.1 10.10.10.0 255.255.255.0 192.168.1.10

NEW QUESTION 45

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

Explanation:

MPLS is a mechanism in high-performance telecommunications networks that directs data from one network node to the next based on short path labels rather than long network addresses, avoiding complex lookups in a routing table. The labels identify virtual links (paths) between distant nodes rather than endpoints

NEW QUESTION 46

An administrator notices SMTP traffic is being blocked by the company firewall. Which of the following ports should be opened?

- A. 25
- B. 53
- C. 110
- D. 443

Answer: A

Explanation:

SMTP is an Internet standard for electronic mail (e-mail) transmission across Internet Protocol (IP) networks. SMTP uses TCP port 25.

NEW QUESTION 49

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

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

Answer: C

Explanation:

A bus network topology is a network topology in which a set of clients are connected via a shared communications line/cables, called a bus.

NEW QUESTION 50

DRAG DROP

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

	Router	Layer 2 Switch	Wireless AP	Hub
Broadcast Domain	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Collision Domain	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Multiple Broadcast Domains

Single Broadcast Domains

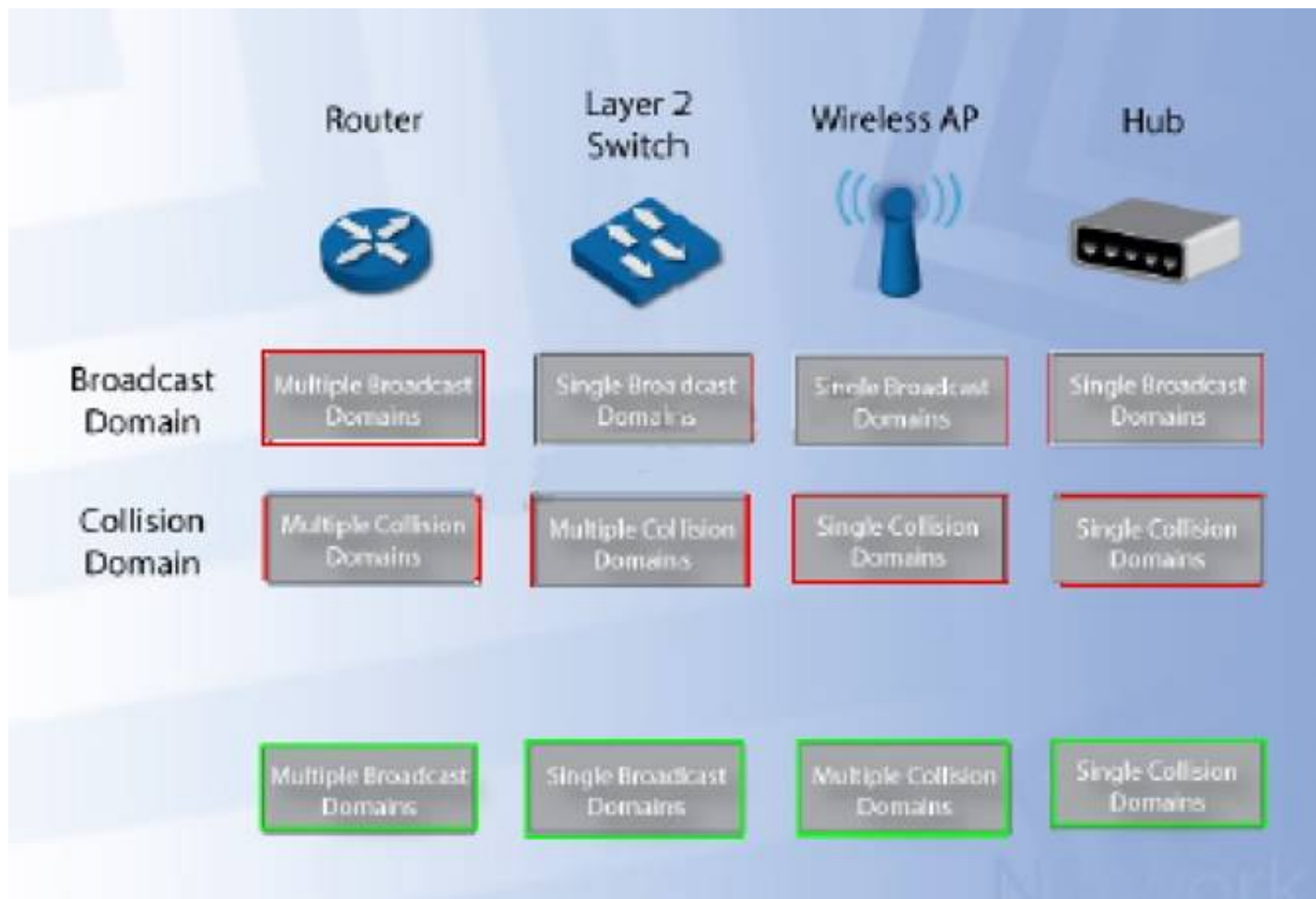
Multiple Collision Domains

Single Collision Domains

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 52

Which of the following has the LEAST amount of collisions in a domain?

- A. Bridge
- B. Hub
- C. Repeater
- D. Switch

Answer: D

NEW QUESTION 53

Which of the following protocols uses port 3389 by default?

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

Answer: A

NEW QUESTION 57

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 58

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

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

Answer: A

NEW QUESTION 59

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 62

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 66

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 68

A small company has a single multi-layer switch. The company currently has all network devices on the same subnet but would like to switch the servers to another subnet for security reasons. The company cannot budget any more money to purchase additional hardware. Which of the following features should be used to achieve the new company requirements?

- A. PAT
- B. PoE
- C. VLAN
- D. QoS

Answer: C

NEW QUESTION 69

Which two layers of the OSI model make up the TCP/IP model Network Interface layer?

- A. Application and Transport
- B. Transport and Session
- C. Physical and Data Link
- D. Session and Presentation

Answer: C

NEW QUESTION 72

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 75

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

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

Answer: B

NEW QUESTION 79

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 82

A home user states during a basement remodel, one of the workers cut the network cable that goes from the modem to the WAP and nothing else has changed. According to the network troubleshooting methodology, which of the following is the NEXT step?

- A. Identify the problem
- B. Question the user
- C. Establish a plan of action
- D. Establish a theory of probable cause

Answer: C

NEW QUESTION 83

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 87

At which layer of the OSI model do MAC addresses operate?

- A. Data Link
- B. Network
- C. Application
- D. Physical

Answer: A

NEW QUESTION 91

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 93

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 95

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 96

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

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

Answer: A

NEW QUESTION 98

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

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

Answer: D

NEW QUESTION 99

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 104

Which of the following protocols is the BEST choice for retrieving email on multiple devices?

- A. IMAP4
- B. SMTP
- C. FTP
- D. SNMPv3

Answer: A

NEW QUESTION 108

Which of the following TCP/IP model layers does the OSI model Data Link layer map to?

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

Answer: D

NEW QUESTION 113

On which of the following layers of the OSI model does IP operate?

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

Answer: C

NEW QUESTION 116

Which of the following ports is used by Telnet?

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

Answer: B

NEW QUESTION 118

Which of the following subnet masks indicate a subnet with exactly 254 assignable IP addresses?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 255.255.255.254

Answer: C

NEW QUESTION 122

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 125

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 129

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 134

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 137

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

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

Answer: C

NEW QUESTION 141

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 144

A small business owner is in the process of setting up a SOHO office. The office has only one connection to the Internet via a broadband cable connection. The office has four subnets that must be able to connect to the Internet. Which of the following devices would enable the owner to meet these requirements?

- A. A firewall
- B. A router
- C. A hub
- D. A Layer 2 switch

Answer: B

NEW QUESTION 145

Based on the packet capture below, which of the following services is the client requesting? 08:30:54.982378192.168.50.42.8329 > 192.168.50.20.53:

S 32859235:32859235(0) win 8096

08:30:55.001378192.168.50.20.53 > 192.168.50.42.8329:

S 31845637: 31845637(0) ack 32859236 win 8096

08:30:55.027578192.168.50.42.8329 > 192.168.50.51.53:

ack 1 win 8096

- A. ARP
- B. SMTP
- C. DHCP
- D. DNS

Answer: D

NEW QUESTION 146

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 148

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 149

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 151

The protocol SNMP uses which of the following ports by default?

- A. 53
- B. 61
- C. 67
- D. 161

Answer: D

NEW QUESTION 156

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 157

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 162

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 163

A SOHO client has tasked Joe, a technician, with setting up a basic SOHO network to support four laptops and one desktop PC. The client would also like to have a basic wireless network to use for internal devices only that is secure. Given the list of requirements, which of the following devices would Joe need to purchase for his client? (Select TWO).

- A. IDS
- B. Repeater
- C. Switch
- D. WAP
- E. UTM device

Answer: CD

NEW QUESTION 168

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 173

Which of the following protocols exchange the latest information that has changed in the routing table?

- A. TFTP
- B. BGP
- C. OSPF
- D. IGMP

Answer: C

NEW QUESTION 174

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 176

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 181

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 183

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 186

Which of the following operate at the Data Link layer of the OSI model? (Select TWO).

- A. MAC address
- B. Router
- C. Hub
- D. Switch
- E. IP address

Answer: AD

NEW QUESTION 189

Which of the following OSI model layers is used to order packets which may have arrived out of order?

- A. Transport
- B. Presentation
- C. Network
- D. Session

Answer: A

NEW QUESTION 192

Which of the following describes the amount of time it takes for a packet to transmit from one switch to another?

- A. Hop count
- B. Latency
- C. MTU limit
- D. Distance vector

Answer: B

NEW QUESTION 195

Dynamic DNS provides which of the following services?

- A. Automatic registration of host records
- B. Translates public host names to private host names
- C. Provides round robin load balancing for web servers
- D. Provides aliases for additional search suffixes

Answer: A

NEW QUESTION 196

Which of the following DNS records is used in conjunction with 192:168::1:10?

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

Answer: A

NEW QUESTION 198

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

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

Answer: C

NEW QUESTION 200

Which of the following allows for groups of ports on the same switch to operate as a part of different segmented networks?

- A. RIP

- B. STP
- C. VLAN
- D. MTU

Answer: C

NEW QUESTION 205

A network administrator notices that load balancing is not working properly on the web cluster as previously configured. In speaking with management, a change to the IP addressing scheme was made yesterday which possibly affected one member of the cluster. Due to the timing of the events, the administrator theorizes that this change caused the problem. Which of the following should the administrator do NEXT?

- A. Escalate to the management team
- B. Change the IP address back to its previous state
- C. Test the theory by analyzing logs
- D. Create a plan of action to present to management

Answer: C

NEW QUESTION 209

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 212

Which of the following describes a manually entered route?

- A. Static
- B. Dynamic
- C. Multicast
- D. Unicast

Answer: A

NEW QUESTION 217

A user reports they are unable to access a file on a mapped network drive. A technician discovers the server where the file is located did not come back online after last night's power outage and manually powers the server back online. The technician then verifies the user can connect to their file. Which of the following troubleshooting steps should the technician do NEXT?

- A. Escalate by following change procedures
- B. Establish a plan of action to resolve the problem
- C. Document findings, actions, and outcomes
- D. Question the user

Answer: C

NEW QUESTION 222

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 226

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

Explanation:

Virtual PBX, a business phone system providing call routing, follow-me calling, voice-mail, fax- mail, and ACD queues with no customer installed equipment.

NEW QUESTION 227

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

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

Answer: BE

Explanation:

Traffic shaping retains excess packets in a queue and then schedules the excess for later transmission over increments of time. The result of traffic shaping is a smoothed packet output rate. QoS (Quality of Service) is a major issue in VOIP implementations. The issue is how to guarantee that packet traffic for a voice or other media connection will not be delayed or dropped due interference from other lower priority traffic.

Things to consider are:

Latency: Delay for packet delivery

Jitter: Variations in delay of packet delivery

Packet loss: Too much traffic in the network causes the network to drop packets Burstiness of Loss and Jitter: Loss and Discards (due to jitter) tend to occur in bursts

NEW QUESTION 229

A network technician needs to configure a port on a switch to provide connectivity and electrical support to a WAP being installed in a warehouse. Which of the following features needs to be configured on the switch?

- A. STP
- B. PoE
- C. VTP trunking
- D. Port forwarding

Answer: B

Explanation:

Power over Ethernet or PoE describes any of several standardized or ad-hoc systems which pass electrical power along with data on Ethernet cabling. This allows a single cable to provide both data connection and electrical power to devices such as wireless access points or IP cameras.

NEW QUESTION 234

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 238

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 241

Which of the following is the difference between 802.11b and 802.11g?

- A. Distance
- B. Frequency
- C. Speed
- D. Transmission power

Answer: C

Explanation:

* 802.11b has a maximum speed of 11Mbps whereas 802.11g has a speed of 54Mbps.

NEW QUESTION 246

Which of the following connectors is usable in SFP modules?

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

Answer: B

Explanation:

LC connector is used in SFP modules.



NEW QUESTION 250

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 251

A technician has low signal strength connecting two wireless bridges. Which of the following could be the problem?

- A. Low PoE wattage
- B. Opposing antenna polarizations
- C. Short distance between antennas
- D. WPA 2 encryption

Answer: B

Explanation:

The polarization of an antenna is the orientation of the electric field (E-plane) of the radio wave with respect to the Earth's surface and is determined by the physical structure of the antenna and by its orientation. It has nothing in common with antenna directionality terms: "horizontal", "vertical", and "circular". Thus, a simple straight wire antenna will have one polarization when mounted vertically, and a different polarization when mounted horizontally.

NEW QUESTION 255

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

Explanation:

A "Protocol analyzer" is a tool (hardware or software) used to capture and analyze signals and data traffic over a communication channel.

NEW QUESTION 256

A technician has been given the task to install a wireless network in a user's home. Which of the following should the technician consider when implementing the network? (Select TWO).

- A. That there is strong encryption enabled and configured on the access point.
- B. The user's home network has a correctly completed WHOIS entry.
- C. The access point is broadcasting the SSID based upon manufacturer's standards.
- D. There are no conflicts of channels in use by neighboring wireless networks.
- E. There are redundant internal DNS names set in the access point's settings.
- F. That the access point's MAC address is properly set in its configuration settings.

Answer: AD

Explanation:

Strong encryption is required to keep the user's internet safe and secure so as to avoid misuse of the internet connection and to ensure that channel conflicts are not there so that the signals do not compete with each other and user start to face intermittent connection.

NEW QUESTION 258

A technician working for a company with a wireless network named WirelessA notices a second wireless network named WirelessB. WirelessB is MOST likely a:

- A. man-in-the-middle attack
- B. rogue access point
- C. evil twin
- D. packet sniffer

Answer: B

Explanation:

A rogue access point is a wireless access point that has either been installed on a secure company network without explicit authorization from a local network administrator, or has been created to allow a hacker to conduct a man-in-the-middle attack.

NEW QUESTION 261

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

Explanation:

Wireless access can be filtered by using the Media Access Control (MAC) addresses of the wireless devices transmitting within your wireless network. You can either permit or prevent specific wireless computers and devices access to your wireless network.

NEW QUESTION 264

A small business owner is setting up a SOHO office. The business owner needs one device that will allow for Internet access, trunk VLANs, translate multiple private IP addresses into public IP addresses, and filter packets. Which of the following network devices will allow for all functions?

- A. A VPN concentrator
- B. A switch
- C. A router
- D. A firewall

Answer: C

Explanation:

A router is a device which is capable of performing entire task required by the business owner.

NEW QUESTION 269

Users have been stating that they need to logon to too many applications and web apps with different credentials that use different rule sets. Which of the following would BEST address these concerns?

- A. Alter the domain account login policies to reflect the most common application rule sets.
- B. Ensure that the user accounts are properly configured in domain services.
- C. Implement a software solution that facilitates single sign-on authentication.
- D. Increase the time between mandatory password changes by a factor of three.

Answer: C

Explanation:

A single signon permits a user to enter one name and password in order to access multiple applications

NEW QUESTION 271

A technician is reviewing the following aggregated information on a server to determine the cause of a user's connection problem:

Facility	Severity	Mnemonic	Message
FW1	4	FPD	Packet discarded
AP2	7	AUTH	User disassociated
SW1	7	PUPD	Port changed from up to down

Which of the following is the technician reviewing?

- A. Syslog server logs
- B. Application logs
- C. Network sniffer logs
- D. SNMPv2 queries

Answer: A

Explanation:

Syslog server logs are the logs that are saved on a system whenever an instance happens of the wireless device. Reviewing the logs can help him understand the behavior of the WAP as well as the client.

NEW QUESTION 276

When a packet that is entering a switch port is encapsulated, which of the following is the switch performing?

- A. 802.1q
- B. Collision avoidance
- C. Port mirroring
- D. STP

Answer: A

Explanation:

Encapsulation is the term associated with 802.1q which is enabled by default on many devices.

NEW QUESTION 281

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 283

A company is looking for the simplest solution to help prioritize VoIP traffic on its congested network. Which of the following would BEST accomplish this?

- A. MPLS
- B. Caching engines
- C. QoS
- D. Load balancing

Answer: C

Explanation:

QoS is the service where you can prioritize traffic running over one protocol as compared to the other. It is very similar to the term where you are opening a VIP queue for allowing that traffic to pass.

NEW QUESTION 288

A technician has received a trouble ticket from a user who has intermittent wireless access. Moving the computer farther from the WAP results in a more stable connection. Which of the following is MOST likely the cause of this instability?

- A. Wrong encryption type
- B. SSID mismatch
- C. Signal bounce
- D. Incorrect channel

Answer: C

Explanation:

Bouncing is the tendency of any two metal contacts in an electronic device to generate multiple signals as the contacts close or open.

NEW QUESTION 292

Compare the settings below to determine which of the following issues is preventing the user from connecting to a wireless network.

AP1 (a/b/g/n)

SSID: iCorpOne

WEP Key: 337D1FAB10

Index: 1

Mode: Mixed

Channel: 1

UserPC Wireless-G

SSID: icorpone

WEP Key: 337d1fab10

Index: 1

Mode: 802.11G

Channel: Auto

Which of the following settings is incorrect on the client?

- A. The mode is incorrect
- B. SSID Mismatch
- C. Incorrect WEP Key
- D. Channel is set incorrectly

Answer: B

Explanation:

the first thing which will be checked is the SSID and it is case sensitive but in the above shown example, it is not same so it will stop user from connecting.

NEW QUESTION 295

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 298

Which of the following commands will provide an administrator with the number of hops a packet takes from host to host?

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

Answer: C

Explanation:

In computing, traceroute is a computer network diagnostic tool for displaying the route (path) and measuring transit delays of packets across an Internet Protocol (IP) network. The history of the route is recorded as the round-trip times of the packets received from each successive host (remote node) in the route (path); the sum of the mean times in each hop indicates the total time spent to establish the connection.

NEW QUESTION 302

DRAG DROP

GigSwitch1 is currently configured with a speed of 100 and Duplex is set to Auto on all interfaces.

Interface 2 will be connected to GigSwitch2 which is used for all departments. Interface 1 will be used for HR traffic only.

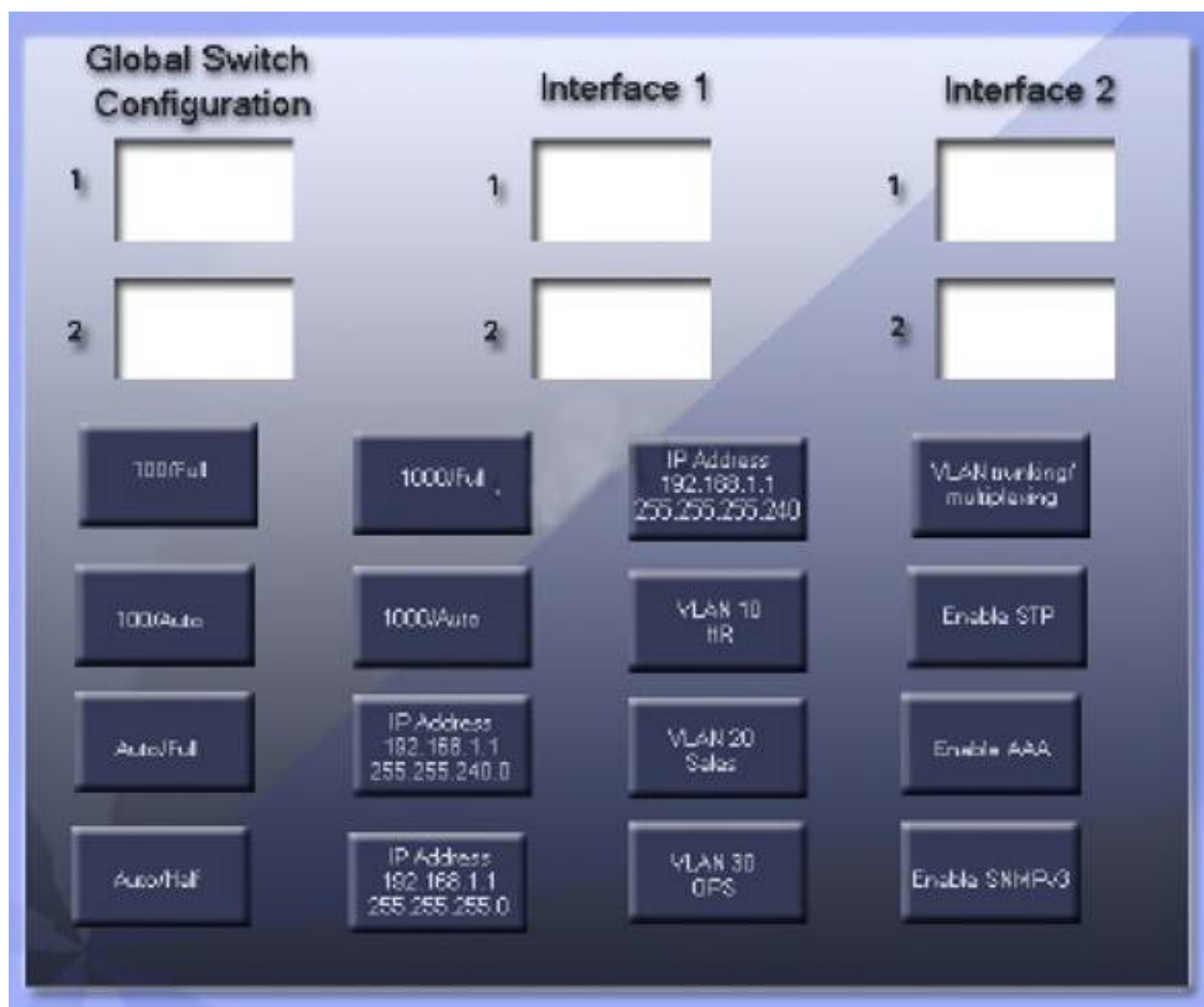
GigSwitch1 needs to be configured with the following parameters: Configure the necessary protocol to prevent switching loops

Configure GigSwitch1 with a /24 IP address for management

Traffic across Interface 1 needs to be forced to accept and receive up to 100Mbps data at the same time

Traffic across Interface 2 needs to be forced to use Gigabit speeds and maximum performance

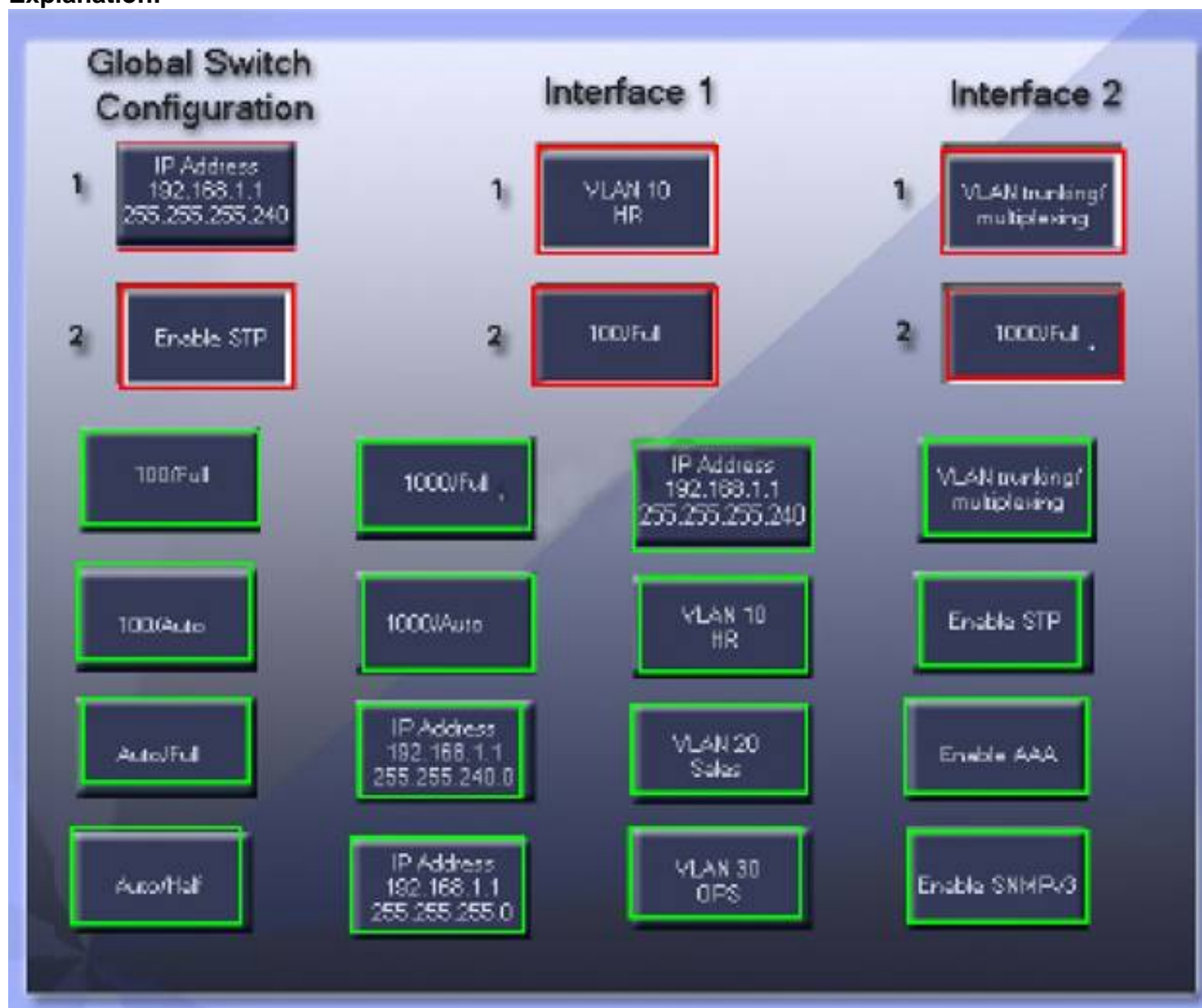
Drag and drop the appropriate configurations to their corresponding requirements. All placeholders must be filled. Not all configurations will be used.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



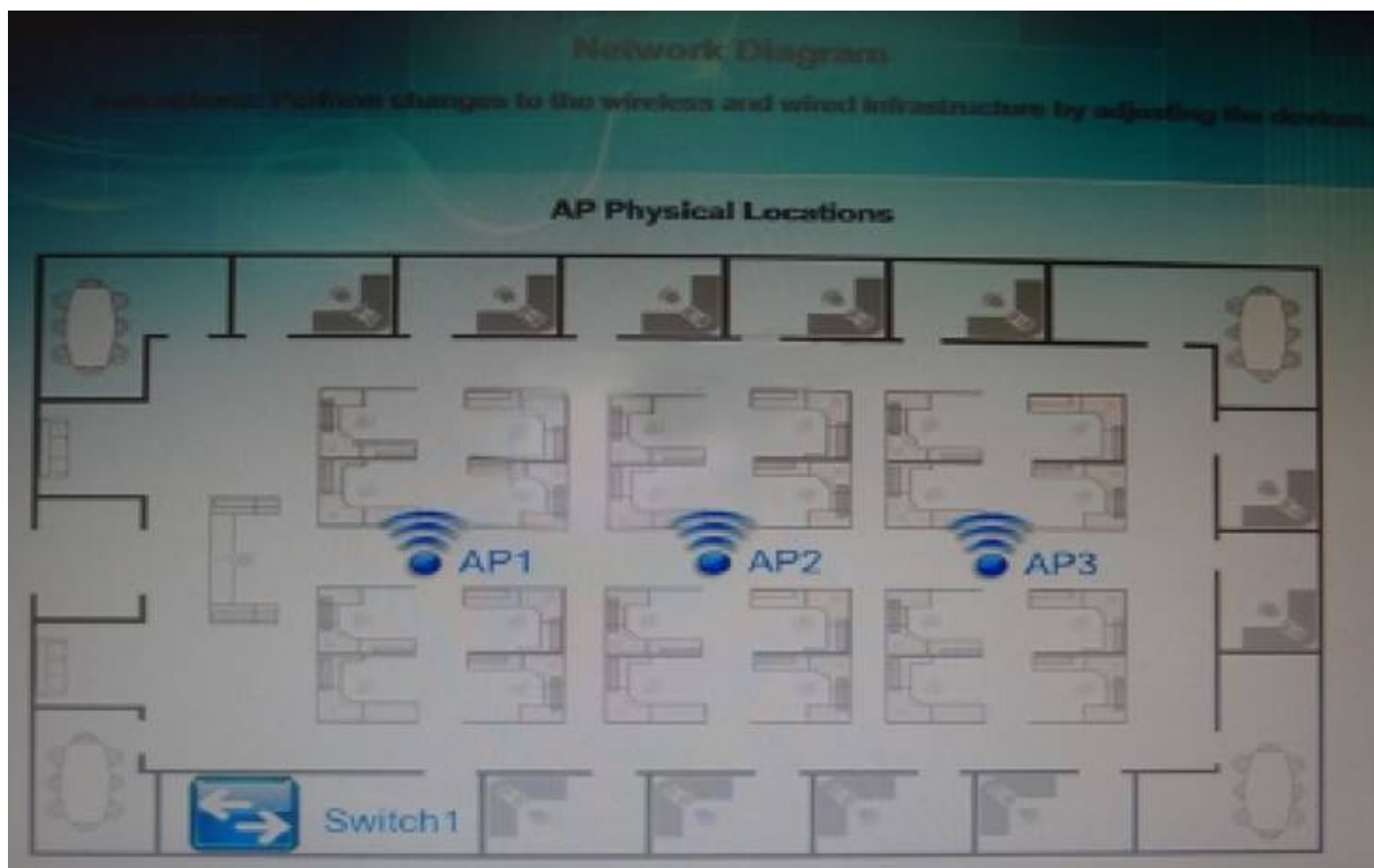
NEW QUESTION 304

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.



http://ap1.config.do

Wireless AP Configuration Settings

Basic Configuration

Access Point Name: AP1

IP Address: 192.168.100.151 / 24

Gateway: 192.168.100.1

SSID: CorpNET

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode: G

Channel: 1

Wired

Speed: ☐ Auto ☒ 100 ☐ 1000

Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase: 123456789b

Reset Submit

http://ap2.setup.dn

Wireless AP Configuration Settings

Basic Configuration

Access Point Name:

IP Address: /

Gateway:

SSID:

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode:

Channel:

Wired

Speed: ☒ Auto ☐ 100 ☐ 1000

Duplex: ☒ Auto ☐ Half ☐ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase:

http://ap3.setup.dn

Wireless AP Configuration Settings

Basic Configuration

Access Point Name:

IP Address: /

Gateway:

SSID:

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode:

Channel:

Wired

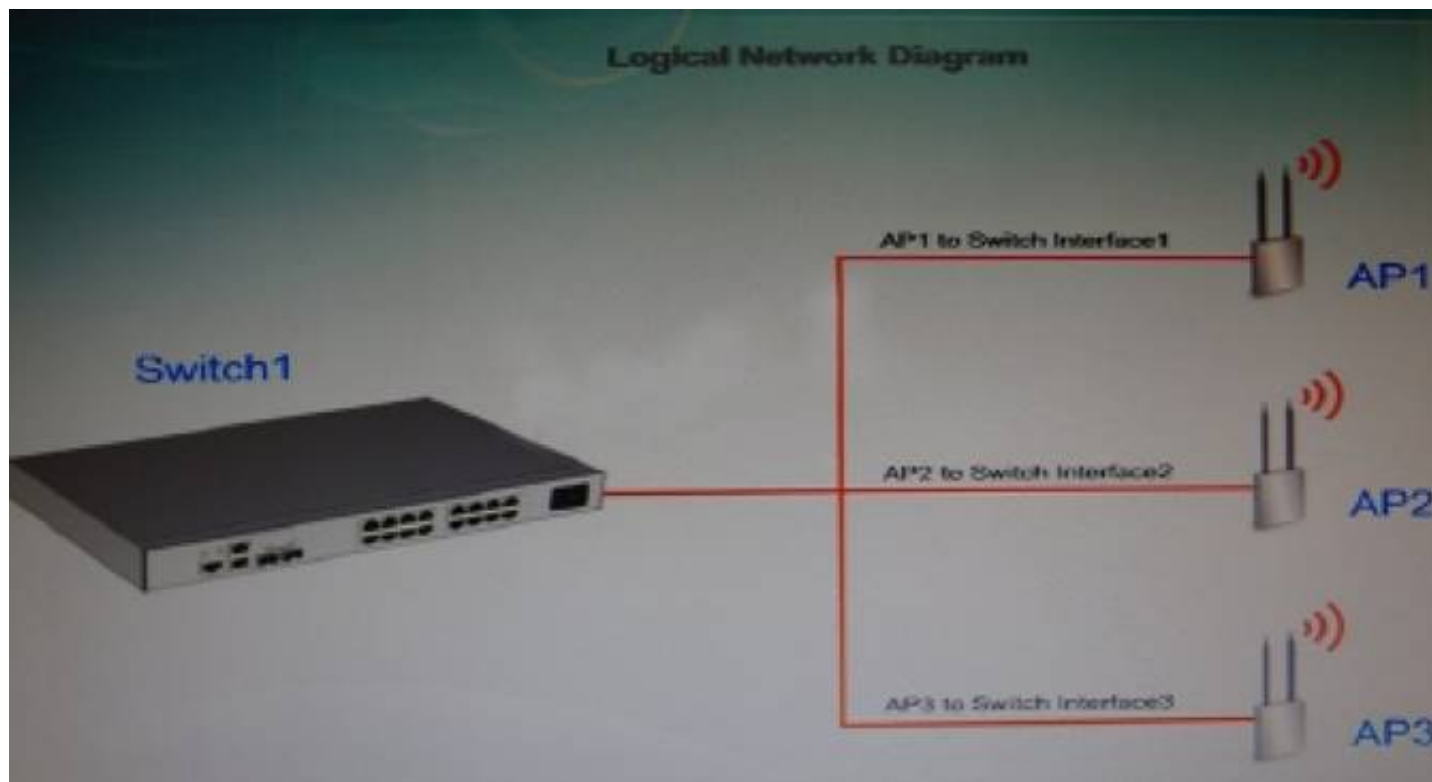
Speed: ☐ Auto ☒ 100 ☐ 1000

Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase:



- 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 309

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 313

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

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

Answer: B

NEW QUESTION 317

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 318

A company has multiple WAPs within close proximity to each other to allow users to move about seamlessly through the building with their laptops, without losing any connection. However, this has had the opposite effect, causing any user that is close to two of the access points to constantly reconnect to the wireless network. Which of the following should be changed on all the WAPs to allow this to work as the customer intended?

- A. Change the SSID to be unique for each WAP.
- B. Change the antenna direction to be unique for each WAP.
- C. Change the encryption method to be unique for each WAP.
- D. Change the channel to be unique for each WAP.

Answer: D

NEW QUESTION 322

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 324

If a technician does not assign an IP address to a device, the DHCP server will assign the device a:

- A. static IP address.
- B. reservation.
- C. dynamic IP address.
- D. MAC address.

Answer: C

NEW QUESTION 325

A network technician is designing a SOHO environment where cost is a consideration. The requirements include access to the Internet and access to the guest house which is 100 feet away. The location of the Internet modem is located in the main house. Which of the following is the BEST option to accomplish these requirements?

- A. Use two combined Internet/router/wireless devices, one in each house.
- B. Use a Layer 3 switch in the main house and a combined Internet/router/wireless device in the guest house.
- C. Use a combined Internet/router/wireless device in the main house and a wireless access point in the guest house.
- D. Use a single combined Internet/router/wireless device at the guest house.

Answer: C

NEW QUESTION 328

A network administrator wishes to limit the number of potential wireless clients to 20 on a specific

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

Answer: D

NEW QUESTION 331

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 334

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 338

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 343

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 345

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 349

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 353

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

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

Answer: C

NEW QUESTION 356

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 357

An office has an 802.11a access point. A technician has been asked to identify devices that are compatible with this AP. Which of the following devices is MOST likely compatible?

- A. An 802.1q SOHO router
- B. An 802.11b tablet computer
- C. An 802.11g laptop
- D. An 802.11n smartphone

Answer: D

NEW QUESTION 358

A company has installed a wireless network for visitors to use. They wish to give the visitors easy access to that network. Based on the configurations below, which of the following should the administrator change?

Access Point 1 Access Point 2
802.11g 802.11b
Encryption: WPA2 Encryption: WEP
Channel: 1 Channel: 7
SSID: CompanyWiFi SSID: Visitor

- A. Change the SSID on Access Point 2 to OPEN.
- B. Disable SSID broadcasting on Access Point 1.
- C. Change the encryption on Access Point 2 to WPA2.
- D. Remove the WEP encryption from Access Point 2.

Answer: D

NEW QUESTION 361

A technician is attempting to set up a new laptop for a user. The user's old laptop connects to the corporate wireless network "CompanyWiFi" automatically. However, when the technician looks for the "CompanyWiFi" network on the new laptop, he does not find it in the list of available networks. Both laptops have 802.11g wireless network adapters and are sitting next to each other on the user's desk. Which of the following would MOST likely be the reason that the new laptop cannot see the "CompanyWiFi" network?

- A. Loss of signal strength
- B. Incorrect WEP key was input
- C. RFID interference from other electronic devices
- D. SSID broadcasting is disabled on the WAP

Answer: D

NEW QUESTION 363

A small office is looking to deploy wireless to cover one half of the work area only. The technician is restricted to suspending the WAP in the middle of the office due to network jack limitations. Which of the following antenna types would BEST meet these requirements?

- A. Dipole
- B. Parabolic
- C. Directional
- D. Omni-directional

Answer: C

NEW QUESTION 364

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 367

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 369

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 373

A user is on a network with two upstream connections to the Internet and is experiencing intermittent issues while connecting to websites. Some websites are available but others are not. Which of the following is the MOST likely cause of the condition?

- A. Incorrect VLAN assignment
- B. Bad or missing routes
- C. Switching loop
- D. Wrong subnet mask

Answer: B

NEW QUESTION 378

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 383

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 384

A technician wants to configure multiple switches to support all of the corporate VLANs. Which of the following will allow configuration of the switches and have the information propagate automatically to the other switches?

- A. FTP server
- B. VTP server
- C. Virtual PBX
- D. NTP server

Answer: B

NEW QUESTION 389

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 393

A stateful point to point wireless connection going down for a few hours at a time is MOST likely due to which of the following?

- A. Interference
- B. Configuration
- C. Incorrect MTU size
- D. Incorrect IP

Answer: A

NEW QUESTION 397

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 400

A technician is installing a PoE switch for VoIP phones. Which of the following is the technician MOST likely going to configure on the switch?

- A. NAT
- B. QoS
- C. PAT
- D. DHCP

Answer: B

NEW QUESTION 401

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 406

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 411

A technician receives a work order that a user can no longer access any external websites. The user is the only one affected, but can still access websites by IP address. Which of the following is the MOST likely cause?

- A. The workstation has been removed from the domain and needs to be re-added in directory services.
- B. The workstation is configured to use the IPv4 protocol instead of IPv6.
- C. The workstation is configured with an incorrect IP address of the DNS server.
- D. The workstation's DHCP IP address has expired and has assigned itself an APIPA address.

Answer: C

NEW QUESTION 414

Linking two or more switches together so that they can share VLAN information is known as which of the following?

- A. Port replicating
- B. Filtering
- C. Trunking
- D. Spoofing

Answer: C

NEW QUESTION 416

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 420

Which of the following is an example of a CSMA/CD medium?

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

Answer: D

Explanation:

CSMA/CD is a Media Access Control method in which a carrier sensing scheme is used and also a transmitting data station that detects another signal while transmitting a frame, stops transmitting that frame, transmits a jam signal, and then waits for a random time interval before trying to resend the frame

NEW QUESTION 423

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 428

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

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

Answer: A

Explanation:

A cable certifier is used to verify that a cable meets its specifications such as the bandwidth and frequency. For example, it can verify a CAT 5e cable meets specifications and supports speeds of 1000Mbps.

NEW QUESTION 429

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 433

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

Explanation:

An intermediate distribution frame (IDF) is a distribution frame in a central office or customer premises, which cross-connects the user cable media to individual user line circuits and may serve as a distribution point for multipair cables from the main distribution frame (MDF) or combined distribution frame (CDF) to individual cables connected to equipment in areas remote from these frames. IDFs are used for telephone exchange central office, customer-premise equipment, wide area network (WAN), and local area network (LAN) environments, among others.

NEW QUESTION 436

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

Explanation:

Short for main distribution frame, a cable rack that interconnects and manages the telecommunications wiring between itself and any number of IDFs. Unlike an IDF, which connects internal lines to the MDF, the MDF connects private or public lines coming into a building with the internal network.

NEW QUESTION 437

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 440

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

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

Answer: C

Explanation:

In a true mesh topology every node has a connection to every other node in the network.

NEW QUESTION 445

Which of the following supports faster wireless broadband speeds?

- A. Satellite
- B. Wi-MAX
- C. ISDN
- D. OC-3

Answer: B

Explanation:

Wi-MAX (Worldwide Interoperability for Microwave Access) is a wireless communications standard designed to provide 30 to 40 megabit-per-second data rates with the 2011 update providing up to 1 G bit/s for fixed stations

NEW QUESTION 448

Which of the following WAN technologies has the HIGHEST latency?

- A. ADSL
- B. LTE
- C. Satellite
- D. WiMAX

Answer: C

Explanation:

Satellite WAN latency is the delay caused by the physical distance a signal must travel from earth, to the satellite, and back to earth to complete a round-trip transmission. Because of the physics involved in the round-trip-time (RTT), end-to-end latency can take 600 milliseconds or more due to geosynchronous satellites orbiting miles above the earth.

NEW QUESTION 453

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

Explanation:

The six-position plug and jack commonly used for telephone line connections may be used for RJ11, RJ14 or even RJ25, all of which are actually names of interface standards that use this physical connector. The RJ11 standard dictates a 2-wire connection, while RJ14 uses a 4-wire configuration, and RJ25 uses all six wires. The RJ abbreviations, though, only pertain to the wiring of the jack (hence the name "registered jack"); it is commonplace but not strictly correct to refer to an unwired plug connector by any of these names. Typically you'll find the RJ-11 and RJ-14 on your Plain Old Telephone Service (POTS)

NEW QUESTION 458

Which of the following 802.11 standards transmits the signals the GREATEST distance?

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

Answer: D

Explanation:

* 802.11n uses multiple antennas to increase data rates.

NEW QUESTION 462

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 467

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

Explanation:

A cable certifier is an electronic device used to verify the source of electric current, voltage and a switching matrix used to connect the current source and the volt meter to all of the contact points in a cable.

NEW QUESTION 470

Which of the following WAN technology types has the GREATEST latency?

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

Answer: C

Explanation:

Because satellites provide a microwave radio relay technology complementary to that of communication cables. They are also used for mobile applications such as communications to ships, vehicles, planes and hand-held terminals, and for TV and radiobroadcasting.

NEW QUESTION 473

Which of the following connector types are used in terminating singlemode fiber cables? (Select TWO).

- A. LC
- B. F-connector
- C. DB-9
- D. BNC
- E. RJ-11
- F. SC

Answer: AF

Explanation:

A variety of optical fiber connectors are available, but SC and LC connectors are the most common types of connectors on the market.[citation needed] Typical connectors are rated for 500–1,000 mating cycles. The main differences among types of connectors are dimensions and methods of mechanical coupling. Generally, organizations will standardize on one kind of connector, depending on what equipment they commonly use. Different connectors are required for multimode, and for single-mode fibers

NEW QUESTION 474

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 477

Which of the following wireless standards would BEST allow a company to utilize new and old devices on the 5GHz spectrum while allowing for the highest possible speeds?

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

Answer: D

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 481

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 483

Which of the following is the only standard that can operate at either frequency?

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

Answer: D

Explanation:

Only 802.11n can operate at 2.4 Ghz and 5Ghz

NEW QUESTION 487

Which of the following wireless standards provide speed of 11Mbps?

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

Answer: B

Explanation:

- * 802.11a - 54Mbps - OFDM
- * 802.11b - 11Mbps - DSSS
- * 802.11g - 54Mbps - OFDM/DSSS
- * 802.11n - 150/300Mbps (MIMO) – OFDM

NEW QUESTION 492

Which of the following wireless standards can transmit data up to 540Mbps?

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

Answer: D

NEW QUESTION 497

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 500

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 501

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

- A. BNC
- B. GBIC
- C. MT-RJ
- D. SC

Answer: C

NEW QUESTION 503

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 505

Which of the following is a fiber connector type?

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

Answer: D

NEW QUESTION 508

Which of the following is MOST likely used with RG-6 media?

- A. MTRJ
- B. RJ-11
- C. RJ-45
- D. F-connector

Answer: D

NEW QUESTION 512

Which of the following is a common LAN protocol used for a SOHO?

- A. ATM
- B. DSL
- C. Ethernet
- D. HDLC

Answer: C

NEW QUESTION 513

Which of the following WAN technologies has the highest latency?

- A. POTS
- B. Cable
- C. Satellite
- D. DSL

Answer: C

NEW QUESTION 515

A technician has two wireless 802.11g APs. One is set to channel 1 and the other channel 6. The APs appear to interfere with each other. Which of the following is MOST likely the reason?

- A. Channels below 9 overlap each other
- B. Channel width is set to 40MHz
- C. Channels are in the 5GHz range by mistake
- D. Channel 1 should have been set to 11 to avoid an overlap

Answer: B

NEW QUESTION 517

Which of the following are standard fiber cable connector types? (Select TWO).

- A. RJ-11
- B. F-connector
- C. MTRJ
- D. DB-9
- E. ST

Answer: CE

NEW QUESTION 521

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 522

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 526

Which of the following cables supports 10Gbps throughput and 100 meters as the maximum distance?

- A. T1 crossover
- B. Singlemode fiber
- C. CAT6a
- D. Coaxial

Answer: C

NEW QUESTION 529

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 530

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 531

Which of the following technologies prevents network collisions to maximize safe delivery of network data?

- A. CSMA/CA
- B. DWDM
- C. RADIUS
- D. SONET

Answer: A

NEW QUESTION 534

Frequency, channel bonding, and MIMO configuration are all characteristics of which of the following networking technologies?

- A. Wi-Fi
- B. SONET
- C. T1/E1 Internet
- D. Satellite Internet

Answer: A

NEW QUESTION 535

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 539

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

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

Answer: B

NEW QUESTION 543

Which of the following network topologies describes a network where each node is connected to multiple devices?

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

Answer: A

NEW QUESTION 547

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

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

Answer: C

NEW QUESTION 549

Which of the following cables would BEST be used to extend a network through an 80 feet (262 meters) machine shop that has many high voltage machines and generators running?

- A. CAT5
- B. CAT6
- C. Coaxial
- D. Fiber

Answer: D

NEW QUESTION 554

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 556

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

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

Answer: B

NEW QUESTION 559

Which of the following WAN technology types are mainly used over POTS lines to provide Internet connectivity? (Select TWO).

- A. Dialup
- B. DSL
- C. SONET
- D. Cable
- E. WiMAX
- F. LTE

Answer: AB

NEW QUESTION 560

Which of the following 802.11 standards can operate at both 2.4Ghz and 5.0Ghz?

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

Answer: D

NEW QUESTION 561

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

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

Answer: D

NEW QUESTION 566

Which of the following wireless standards has a maximum rate of less than 50 Mbps?

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

Answer: B

NEW QUESTION 570

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 574

A technician is tasked with rewiring a CAT5e SOHO network with 10 existing computers. The users are currently running at 100 Mbps and would like to be upgraded to 1000 Mbps. Which of the following should the technician do FIRST?

- A. Upgrade the existing computers
- B. Purchase a new 802.11ac access point and install.
- C. Install CAT6 wiring for the SOHO network
- D. Verify the network cards can support 1Gbps

Answer: D

NEW QUESTION 578

A technician is assigned the task of connecting two buildings 125 meters apart (410 ft.). Which of the following cable types should the technician consider?

- A. CAT5e Cable
- B. CAT5 Cable
- C. Plenum
- D. Single mode fiber

Answer: D

NEW QUESTION 580

A technician is installing 802.11a wireless access points in an open warehouse 300 feet (91.44 meters) long and 200 feet (60.96 meters) wide. Which of the following would be the LEAST number of devices needed to provide coverage to the entire building?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

NEW QUESTION 582

A technician is sorting patch cables into four bins labeled coaxial, crossover, straight-through, and fiber. The technician has a cable with RJ-45 ends. The wires at one end of the cable start with an orange-white wire, while the wires at the other end of the cable start with a green wire. Into which of the following bins should this cable be placed?

- A. Crossover
- B. Fiber
- C. Straight-through
- D. Coaxial

Answer: A

NEW QUESTION 584

An 802.11a wireless network is functioning at which of the following frequencies?

- A. 1.0 GHz
- B. 1.5 GHz
- C. 2.4 GHz
- D. 5.0 GHz

Answer: D

NEW QUESTION 587

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 592

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 593

Which of the following connector types would require a punch down tool to attach a network cable to it?

- A. F-connector
- B. ST
- C. 110 block
- D. RJ-45

Answer: C

NEW QUESTION 595

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 598

A network administrator wants to balance the amount of data between two networking cards. Which of the following can be used for two or more networking cards?

- A. NIC bonding
- B. Proxy server
- C. Firewall ACLs
- D. VLANs

Answer: A

NEW QUESTION 603

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 607

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

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

Answer: C

Explanation:

By sorting out the probable causes and establishing a theory on them he will come to know whether it is right cause or not.

NEW QUESTION 612

A technician decides to upgrade a router before leaving for vacation. While away, users begin to report slow performance. Which of the following practices allows other technicians to quickly return the network to normal speeds?

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

Answer: A

Explanation:

As soon as technician found a problem he generates a change management request to make changes to fast up the speed of router.

NEW QUESTION 614

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

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

Answer: C

Explanation:

Mirror port just send the packet to the port which is selected to grab the packet of any destination port to capture that packets we need packet sniffer.

NEW QUESTION 616

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 619

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 621

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 command 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 622

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 623

Which of the following network protocols is used for a secure command line interface for management of network devices?

- A. SSH
- B. TELNET
- C. IGMP
- D. HTTP

Answer: A

Explanation:

Secure Shell 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.

NEW QUESTION 628

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 631

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 634

A recent flood in the office caused a lot of equipment to be damaged and the manager of the IT department would like a way to prevent such an incident in the future. Which of the following is the BEST way to mitigate such an equipment failure?

- A. Reduce the power input on the replacement servers.
- B. Cover the servers with plastic tarps.
- C. Purchase twice as many servers to create high availability clusters.
- D. Transfer the replacement servers offsite to a data center.

Answer: D

Explanation:

As we replace replacement servers offsite to datacenter this will cause lower traffic on over lan and will not cause failure of these server also.

NEW QUESTION 639

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

Explanation:

As from ipconfig command technician will come to know wheather he has assigned right ip address to NIC or not.

NEW QUESTION 641

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. nbtstat
- C. arp
- D. msconfig

Answer: B

Explanation:

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

NEW QUESTION 645

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

NEW QUESTION 650

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

Explanation:

By Qos we can prioritize the voice packets over data network. So delay and latency will get reduce.

NEW QUESTION 654

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

Explanation:

As ipconfig command will give the information which is assigned to nic for communication so that technician will contact joe with his ip.

NEW QUESTION 657

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 658

Which of the following devices is utilized to ensure traffic does not become congested while traveling over redundant links?

- A. Access control list
- B. Load balancer
- C. Content filter
- D. Proxy server

Answer: B

Explanation:

Load balancing is a computer networking method for distributing workloads across multiple computing resources, such as computers, a computer cluster, network links, central processing units or disk drives. Load balancing aims to optimize resource use, maximize throughput, minimize response time, and avoid overload of any one of the resources.

NEW QUESTION 662

A technician is troubleshooting Internet connectivity for a PC. Which of the following is MOST likely the reason for Internet connectivity issues upon inspecting the routing table?

IPv4 Route Table

Active Routes:

Network Destination	Netmask	Gateway	Interface	Metric
127.0.0.0	255.0.0.0	On-link	127.0.0.1	306
127.0.0.1	255.255.255.255	On-link	127.0.0.1	306
127.255.255.255	255.255.255.255	On-link	127.0.0.1	306
172.16.10.0	255.255.0.0	On-link	172.16.10.101	261
172.16.10.101	255.255.255.255	On-link	172.16.10.101	261
172.30.255.255	255.255.255.255	On-link	172.16.10.101	261
224.0.0.0	240.0.0.0	On-link	127.0.0.1	306
224.0.0.0	240.0.0.0	On-link	172.16.10.101	261
255.255.255.255	255.255.255.255	On-link	127.0.0.1	306
255.255.255.255	255.255.255.255	On-link	172.16.10.101	261

- A. The router should be listed as 224.0.0.1
- B. The NIC is set to the wrong subnet mask
- C. The route of last resort is missing
- D. Loopback traffic is weighted higher than NIC interface traffic

Answer: C

Explanation:

The default route is missing from the table. It looks like this:

Network Destination	Netmask	Gateway	Interface	Metric
0.0.0.0	0.0.0.0	192.168.1.1	192.168.1.12	25

NEW QUESTION 665

Which of the following methods would be implemented to correct a network slowdown caused by excessive video streaming?

- A. Traffic shaping
- B. Proxy server
- C. VPN concentrator
- D. High availability

Answer: A











Explanation:

As traffic shaping will prioritize the video packets over another packets and then video packets will travel fast on bandwidth.

NEW QUESTION 669

DRAG DROP









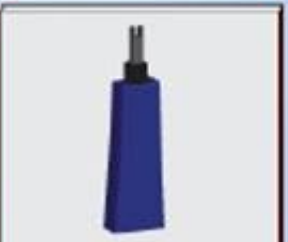

Drag and drop each networking tool to the MOST appropriate descriptor. Each tool may only be used once.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 671

Which of the following tools allows an administrator to identify a cable?

- A. Multimeter
- B. Cable stripper
- C. Toner
- D. Punch down tool

Answer: C

NEW QUESTION 675

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 680

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 684

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 687

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 688

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 689

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 694

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 699

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 704

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 708

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 709

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 712

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 713

A company has asked the network administrator to restrict access to any websites with unauthorized material. Which of the following technologies would BEST accomplish this?

- A. Content filter
- B. Packet filter
- C. IPS
- D. IDS

Answer: A

NEW QUESTION 716

Which of the following network monitoring resources would be used to analyze possible connectivity issues such as duplex mismatches and uptime statistics?

- A. Protocol analyzer
- B. Syslog server

- C. Packet sniffer
- D. IPS logs

Answer: B

NEW QUESTION 720

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 724

A user reports that one of their critical programs no longer functions after a recent router upgrade in the office. A network technician is called in to troubleshoot the issue and documentation shows that the software needs full open connections over ports 558, 981, and 382 in order to function. Which of the following tools could the technician BEST use to troubleshoot this issue?

- A. NET USE
- B. IPCONFIG
- C. TRACEROUTE
- D. TELNET

Answer: D

NEW QUESTION 729

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 734

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 739

A network technician suspects that there is an issue with the routing table on a Windows-based server. Which of the following commands will enable the technician to validate this hypothesis?

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

Answer: A

NEW QUESTION 741

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 742

When dealing with high bandwidth applications such as VoIP and VTC, which of the following network performance optimization tools should be implemented to ensure BEST performance?

- A. Fault tolerance
- B. Load balancing

- C. Caching engines
- D. QoS

Answer: D

NEW QUESTION 743

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 746

A technician is upgrading the wiring in an older office building. The building currently contains some CAT3, CAT5, and CAT6 cables. The technician cannot visually distinguish between the cables because they are all the same color. Which of the following tools would help the technician determine which wires are the CAT3 and CAT5 cables needing to be replaced with CAT6 ones?

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

Answer: A

NEW QUESTION 747

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 752

A technician has noticed that the RJ-45 connector on the end of a user's patch cable was stripped too far back from the connector allowing for cross talk. Which of the following tools would a technician use to attach a new connector to eliminate this issue?

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

Answer: A

NEW QUESTION 754

A technician has been tasked with planning and implementing a new wired-only network for a small office. A hardware list has been compiled, but the technician is unsure about the final necessary item. Which of the following will BEST complete the small wired network setup?

- (1) 1000 foot CAT6 spool
- (1) crimper
- (1) 16 port gigabit switch
- (20) RJ-45 connectors
- (12) RJ-45 wall jacks
- (1)

- A. Compression tool
- B. Punch down tool
- C. Network map
- D. Multimeter

Answer: B

NEW QUESTION 759

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 763

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 765

Which of the following configuration management documents is used to describe how a computer performs after initial installation onto a network?

- A. Baseline
- B. Network map
- C. Asset management
- D. Installation guide

Answer: A

NEW QUESTION 769

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 772

A technician discovers that the throughput of sales traffic on the primary connection is constantly reaching maximum level, and the sales users are beginning to report slowness while accessing cloud based applications. The technician allows traffic to use the secondary connection so that traffic would share both connections. This is an example of which of the following?

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

Answer: D

NEW QUESTION 776

A workstation on the third floor of the company building is having connectivity issues. The NIC and patch cable have been tested and found to be working properly. Which of the following would MOST likely have the information the administrator would need to locate and test the remaining cabling and connections?

- A. Network maps
- B. Network baseline
- C. Asset management
- D. Change management

Answer: A

NEW QUESTION 781

An administrator can use packet tags to configure which of the following?

- A. VLAN
- B. NAT
- C. PoE
- D. QoS

Answer: D

NEW QUESTION 782

An administrator has been experiencing slower than normal performance on a server. The administrator suspects that a developer is currently uploading large files to it from an internal network PC. Which of the following will display established connections to the server on the FTP port?

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

Answer: C

NEW QUESTION 785

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

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

Answer: A

NEW QUESTION 788

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

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

Answer: D

NEW QUESTION 789

Which of the following can be used to decrypt SSL packets which encapsulate internal network addresses in the payload?

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

Answer: D

NEW QUESTION 794

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 799

A network administrator currently collects log files from several different servers. Which of the following would allow the network administrator to collect log files on a centralized host?

- A. The network administrator should install and configure a traffic analysis server.
- B. The network administrator should install and configure a DMZ server.
- C. The network administrator should install and configure a syslog server.
- D. The network administrator should install and configure a network sniffer.

Answer: C

NEW QUESTION 802

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 807

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

Explanation:

A patch is a piece of software designed to fix security vulnerabilities and other bugs, and improving the usability or performance.

NEW QUESTION 812

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

Explanation:

MAC filtering set the security level at layer 2 and port filtering will set the security level on layer 4 so by filtering the traffic on both layers our network will get secure.

NEW QUESTION 817

Which of the following describes a single computer that is setup specifically to lure hackers into revealing their methods, and preventing real attacks on the production network?

- A. Evil twin
- B. Honeypot
- C. DMZ
- D. Honeynet

Answer: B

Explanation:

In computer terminology, a honeypot is a trap set to detect, deflect, or in some manner counteract attempts at unauthorized use of information systems.

NEW QUESTION 819

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 821

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

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

Answer: B

Explanation:

Signature detection involves searching network traffic for a series of bytes or packet sequences known to be malicious. A key advantage of this detection method is that signatures are easy to develop and understand if you know what network behavior you're trying to identify.

NEW QUESTION 825

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 828

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 829

The network administrator has been tasked to create a network segment where resources can be placed for public web access. Which of the following should be implemented?

- A. DMZ
- B. Honeynet
- C. PAT
- D. Port security

Answer: A

Explanation:

In computer security, a 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.

NEW QUESTION 830

A network administrator has been tasked to deploy a new WAP in the lobby where there is no power outlet. Which of the following options would allow the network administrator to ensure the WAP is deployed correctly?

- A. QoS
- B. Install 802.11n WAP
- C. PoE
- D. Parabolic antenna

Answer: C

Explanation:

Power over Ethernet or PoE describes any of several standardized or ad-hoc systems which pass electrical power along with data on Ethernet cabling. This allows a single cable to provide both data connection and electrical power to devices such as wireless access points or IP cameras.

NEW QUESTION 834

Honeypots and honeynets are different in which of the following ways?

- A. Honeynets are managed collections of honeypots.
- B. Honeypots only test software security, not hardware.
- C. Honeynets require specialized hardware to implement.
- D. Honeypots are usually servers and honeynets are routers and switches.

Answer: A

Explanation:

A honeynet is a network set up with intentional vulnerabilities; its purpose is to invite attack, so that an attacker's activities and methods can be studied and that information used to increase network security. A honeynet contains one or more honey pots, which are computer systems on the Internet expressly set up to attract and "trap" people who attempt to penetrate other people's computer systems.

NEW QUESTION 836

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

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

Answer: A

Explanation:

IPFilter (commonly referred to as ipf) is an open source software package that provides firewall services and network address translation (NAT) for many UNIX-like operating systems. The author and software maintainer is Darren Reed. IPFilter supports both IPv4 and IPv6 protocols, and is a stateful firewall.

NEW QUESTION 841

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

Explanation:

Signature detection involves searching network traffic for a series of bytes or packet sequences known to be malicious. A key advantage of this detection method is that signatures are easy to develop and understand if you know what network behavior you're trying to identify.

NEW QUESTION 842

A user is connecting to the Internet at an airport through an ad-hoc connection. Which of the following is the MOST likely security threat?

- A. Man-in-the-middle
- B. Social engineering
- C. Phishing
- D. DoS

Answer: A

Explanation:

A man in the middle attack is one in which the attacker intercepts messages in a public key exchange and then retransmits them, substituting his own public key for the requested one, so that the two original parties still appear to be communicating with each other.

NEW QUESTION 847

An application server is placed on the network and the intended application is not working correctly. Which of the following could be used to make sure sessions are being opened properly?

- A. Antivirus scanner
- B. IDS
- C. Packet sniffer
- D. Toner probe

Answer: C

Explanation:

Packet Sniffer is a tool that can help you locate network problems by allowing you to capture and view the packet level data on your network. So we can capture the session and find the cause of failure.

NEW QUESTION 850

Which of the following is the MOST secure way to prevent malicious changes to a firewall?

- A. SNMPv2 access only
- B. TELNET access only
- C. SSH access only
- D. Console access only

Answer: D

Explanation:

Console access requires physical access to the device, so this is the most secure method.

NEW QUESTION 852

Which of the following allows a malicious attacker to view network traffic if the attacker is on the same network segment as Joe, an administrator?

- A. DoS attack
- B. Man-in-the-middle attack
- C. Smurf attack
- D. Xmas attack

Answer: B

Explanation:

An attack where a user gets between the sender and receiver of information and sniffs any information being sent. In some cases, users may be sending unencrypted data, which means the man-in-the-middle (MITM) can obtain any unencrypted information. In other cases, a user may be able to obtain information from the attack, but have to unencrypt the information before it can be read.

NEW QUESTION 856

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 859

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 861

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 866

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 867

Which of the following tools could attempt to detect operating system vulnerabilities?

- A. nslookup
- B. honeynet
- C. netstat
- D. nessus

Answer: D

NEW QUESTION 870

An administrator configuring remote access opens ports 500/UDP and 10000/UDP on the firewall. Which of the following services are MOST likely being allowed? (Select TWO).

- A. SSL
- B. IPSec
- C. Kerberos
- D. RDP
- E. L2TP
- F. PPTP

Answer: BE

NEW QUESTION 875

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 876

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

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

Answer: D

NEW QUESTION 879

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 880

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

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

Answer: C

NEW QUESTION 884

A network administrator decides to secure their small network by allowing only specific MAC addresses to gain access to the network from specific switches. Which of the following is described by this example?

- A. Packet filtering
- B. Hardware firewalls
- C. Port security
- D. Stateful inspection

Answer: C

NEW QUESTION 887

Which of the following configurations of a wireless network would be considered MOST secure?

- A. WEP using MAC Filtering
- B. WEP and hiding the SSID
- C. WPA2
- D. WPA TKIP and hiding the SSID

Answer: C

NEW QUESTION 890

Which of the following are authentication methods that can use AAA authentication? (Select TWO).

- A. Kerberos
- B. PKI
- C. TKIP/AES
- D. MS-CHAP
- E. RADIUS
- F. TACACS+

Answer: EF

NEW QUESTION 895

Which of the following are considered AAA authentication methods? (Select TWO).

- A. Kerberos
- B. Radius
- C. MS-CHAP
- D. TACACS+
- E. 802.1X

Answer: BD

NEW QUESTION 900

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