COMPTIA JK0-019 EXAM QUESTIONS & ANSWERS

Exam Name: CompTIA Network+ Certification Exam (JK0-019)

Certkiller

QUESTION 1
Sandy, the network administrator, has funding to do a major upgrade of the company's LAN. This upgrade is currently in the planning stage, and Sandy still needs to determine the network requirements, bottlenecks, and any future upgrades in mind. Which of the following is the FIRST step in the planning process?

A. Conduct a vulnerability scan
B. Establish a network baseline
C. Conduct traffic analysis
D. Conduct a risk assessment

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Sandy, a network administrator, wants to be able to block all already known malicious activity. Which of the following would allow her to perform this activity?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
Which of the following should Joe, a technician, do FIRST when setting up a SOHO network?

A. Set up an account with an Internet service provider.
B. Create a list of requirements and constraints.
C. Arrange a domain name with a suitable registrar.
D. Choose the correct operating system version.

Correct Answer: B
Section: (none)
Explanation

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Explanation:

QUESTION 4
Which of the following is an example of two-factor authentication?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Which of the following would Joe, a technician, configure to modify the time a device will hold an IP address provided through DHCP?

A. DNS suffixes
B. Leases
C. Static IP addressing
D. Reservations

Correct Answer: B
Section: (none)
Explanation

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Explanation:

QUESTION 6
Sandy, 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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7

Which of the following network topologies, when a single machine's cable breaks, would only affect one network device and not the rest of the network?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Which of the following is a form of encrypting packets for safe, secure data transmission within a network?

A. RAS
B. PPTP
C. IPSec
D. ICA

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
The location that the local network connection ends and the ISP responsibility begins is known as the:

A. Access point.
B. Default gateway.
C. IDF connection.
D. Demarcation point.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Which of the following sizes is the fixed cell length in ATM?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Which of the following network scanners detects and sends out alerts for malicious network activity?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Which of the following network appliances would facilitate an even amount of traffic hitting each web server?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
For which of the following reasons could a single server's NIC transmit packets from multiple MAC address sources?

A. The server contains several virtual machines and the MAC addresses are from the virtual machines.
B. The server is hosting a web server and the MAC addresses are from connected browsers.
C. The server is hosting a proxy server and the MAC addresses are from the connected clients.
D. The server NIC is starting to fail and should be replaced.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Which of the following cable types would have the LEAST amount of EMI?

A. CAT3
B. CAT5
C. STPCAT6
D. Plenum CAT6

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Sandy, a technician, is asked to not allow FTP traffic on a network. Which of the following ports should be blocked on the firewall to achieve this?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Which of the following network access methods is the MOST secure?

A. PPPoE
B. SIP
C. RSH
D. IPSec

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Which of the following ports carries IMAP traffic, by default, on modern email systems?

A. 23
B. 25
C. 80
D. 143

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
Joe, a customer, shares a building with several other tenants. He reports that an unencrypted wireless network has been getting slower while his internet traffic has steadily been increasing. Which of the following should be configured to resolve this problem?

A. VLAN
B. MTU
C. WPA
D. SSID

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
Which of the following allows for multiple backend web servers to be accessed through a single public IP address?

A. Traffic shaping
B. Caching engines
C. Port address translation
D. Quality of service prioritization

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
Which of the following utilities would Karen, a technician, use to resolve the FQDN of a web server

to its IP address?

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

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 21
Sandy, an administrator, has been tasked with running cables from one office to another neighboring office by running cables over the light fixtures in the ceiling that connects them. To prevent interference, which of the following cable types should Sandy use?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
Joe, the network technician, is configuring the channels being used within the WLAN, to ensure a minimal amount of interference. Which of the following channel setups would be used to avoid overlap?

A. 2, 6, 10
B. 1, 6, 11
C. 1, 7, 10
D. 1, 2, 3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Joe, a network administrator, would like to ensure that the footprint of the company's wireless coverage is limited to the office borders, located on the premises. Which of the following features should he adjust on all of the company's WAPs to make this change?

A. SSID masking
B. PPPOE
C. Transmission power
D. Encryption technology

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 24
Which of the following exterior routing protocols uses an algorithm to determine the quickest route to a destination?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
After installing new cabling, Karen, a technician, notices that several computers are connecting to network resources very slowly. Which of the following tools would BEST help in determining if the new cabling is the cause of the problem?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Which of the following would be an IP address received from APIPA?

A. 10.0.0.100
B. 172.168.0.100
C. 169.254.0.100
D. 192.168.0.100

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Kurt, a technician, wants to prevent users from visiting social networking sites. Which of the following should be configured on the firewall to BEST achieve this?

A. PAT
B. Content filter
C. Implicit deny
D. NAT

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Which of the following OSI model layers is used for logical addressing?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Sandy, the network technician, needs to run a cable through a power distribution room that contains a high voltage transformer. Which of the following would be used to minimize EMI interference?

A. FTP
B. STP
C. UTP
D. RTP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
Kurt, a network technician, is setting up a router and wants to ensure the fastest convergence of the routing information. Which of the following protocols would be BEST for him to use?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
Which of the following is the MOST economical way for Sandy, a technician, to implement 10- Gigabit Ethernet at a datacenter?

A. 10GBaseLR
B. 10GBaseSR
C. 10GBaseX
D. 10GBaseT

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
T568B wiring scheme is typically found on which of the following components?

A. Demarc extension
B. 66 block
C. Patch panel
D. Vertical cross connect

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
Which of the following can Joe, a technician, modify on an 802.11n router that is not available as an option on 802.11g device?

A. SSID
B. Encryption
C. Channels
D. Spectrum

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
VoIP is being implemented throughout a company and Joe, the network technician, needs to ensure that data and voice traffic do not interfere with each other. Which of the following features should be configured on a layer 3 switch to prioritize traffic for VoIP?

A. VLAN
B. VTP
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C. Port security
D. QoS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
Sandy, a technician, is fixing a wireless network that was receiving interference from a user's cordless phone. Which of the following should Sandy configure?

A. Channel
B. Encryption
C. SSID
D. DHCP scope

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Which of the following security threats relies primarily on user deception and misinformation?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
A small office has asked to have six PCs networked together by Joe, a consultant. The office users want file sharing capability with no access to the Internet. Which of the following items will Joe need? (Select TWO).

A. Network bridge
B. RG-59 patch cabling
C. CAT5e patch cabling
D. Firewall
E. Switch

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
Which of the following has a DB-9 connector?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Karen, an administrator, has created a patch cable. Which of the following tools should she use to check the integrity of the cable?

A. Protocol analyzer

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Which of the following tools would Kurt, an administrator, use to identify opens and shorts?

A. Ohmmeter
B. Protocol analyzer
C. Cable tester
D. Multimeter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
A new business' web server has seen a huge spike of legitimate traffic in the last week. The owners want to ensure the site has no problems as the business continues to grow. For Karen, a network administrator, which of the following is the MOST important concern for this company?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Kurt, a customer, has been using a combination of SSID disable and WEP encryption for wireless security. Lately there have been many unauthorized devices on Kurt's wireless network. Which of

the following should also be implemented to prevent unauthorized devices from connecting? (Select TWO).

A. SSID should be changed daily and enabled.
B. WEP should be replaced with WPA encryption.

C. MAC filtering should be enabled and configured.
D. A different WAP manufacturer should be used to prevent commonly used security cracking techniques
E. Omni-directional antennas should be used to limit signal strength

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Joe, a technician, is setting up an IDS security device. Which of the following should be configured on the switch to utilize the IDS?

A. PoE
B. Port mirroring
C. Convergence
D. Port speed

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Joe, a client, has observed non-employees sitting in his parking lot and surfing on his unsecured wireless connection. Which of the following could be employed to potentially prevent this? (Select TWO).

A. PoE
B. VLANs
C. MTU black hole
D. GBIC installation
E. WPA
F. Reduction of signal gain

Correct Answer: EF
Section: (none)
Explanation

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Explanation:

QUESTION 46
Joe, a network technician, blocks access to ports 25,110, and 143 on the firewall. Which of the following application services will be blocked due to this?

A. Email sending and receiving
B. Domain Name Service
C. FTP access to external servers

D. Remote desktop access

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
Which of the following services do TCP connections provide to application layer protocols? (Select TWO).

A. Transport services without error recovery
B. Large data size manageability using segmentation
C. Secure Kerberos password encryption on data
D. Delivery through error recovery
E. Proxy server authentication

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which of the following cable mediums is NOT susceptible to EMI?

A. Wireless
B. Fiber
C. Coaxial
D. UTP
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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
Which of the following defines the range of IP addresses a DHCP server can assign?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 50
CAT6 Ethernet cabling has a rated maximum transmission capability of:

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
DNS lookups for a given host are intermittently failing. Which of the following would Karen, a technician, MOST likely use to verify this problem?

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

Correct Answer: D
Section: (none)
Explanation

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Explanation:

QUESTION 52
Which of the following provides Kurt, a network technician, resource record information about network nodes such as canonical names?

A. Proxy server
B. IPS
C. DNS
D. DHCP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Sandy, an administrator, believes that the network has been attacked and MAC addresses have been captured allowing unauthorized computers to access the network. Which of the following tools did the attackers MOST likely use to accomplish this?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
In which of the following wireless standards is MIMO used?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n
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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
Which of the following would Karen, a technician, do to monitor remote traffic through an access point?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
Kurt, a network administrator, wants to separate the network into broadcast domains. Which of the following can he use? (Select TWO).

A. WAPs
B. Routers
C. Patch panels
D. Hubs
E. Bridges
F. VLANs

Correct Answer: BF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Which of the following is an example of a DHCP failover mechanism?

A. APIPA
B. Inactive lease
C. Reservations
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D. Active lease

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Kurt, an administrator, receives reports from users in an office that their 802.11g wireless connectivity has been problematic since the installation of the new wireless phone system. At which of the following frequencies are both systems operating at to cause this issue?

A. 2.4GHz
B. 900MHz
C. 1.1GHz
D. 5GHz

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
Sandy, an administrator, needs to install a wireless network that will allow legacy devices to connect to the network and also offer both 5GHz and 2.4GHz frequencies. Which of the following would BEST describe the type of WAP needed?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Sandy, a technician, is reporting wireless transmission speeds of 300Mbps. Which of the following wireless standards is being used?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Which of the following VPN methods is BEST used for connecting a remote office to the main company office?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
Kurt, an administrator, configures a device that functions at the network layer, and also has 24 collision domains. Which of the following terms BEST describes this device?

A. Hub
B. VPN concentrator
C. Wireless access point
D. Multilayer switch

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
Karen, a network technician, needs to identify the MAC address of a device that is creating broadcast storms on the network. Which of the following tools will provide the needed information?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
A firewall that operates at Layer 7 of the OSI model is known as a(n):

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
Karen, a network technician, is troubleshooting in a wiring closet in 2011. The cabling to all the equipment does not match the documentation from 2007. Which of the following configuration management methods has been overlooked?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Kurt, a network administrator, is responding to a support ticket. The ticket does not have enough information to determine the problem. Which of the following should Kurt perform FIRST before responding to the ticket?

A. Determine if anything has changed.
B. Test a theory to determine a cause.

C. Establish a plan of action to resolve the problem.
D. Escalate the problem if necessary.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
Sandy, a network administrator, needs to allow all websites to be accessible by the sales team for business purposes. Which of the following ports need to be enabled on the firewall? (Select TWO).

A. 23
B. 25
C. 53
D. 80
E. 443

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Once Kurt, a technician, has implemented the solution to a user's reported problem, which of the following should Kurt do NEXT?

A. Alert the user that everything is repaired.
B. Verify full system functionality.
C. Document findings, actions, and outcomes.
D. Establish a plan of action to resolve the problem

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Joe, a user, reports that his PC is the only one that does not have network connectivity. All the wiring has been tested properly and the problem still exists. Joe is getting an APIPA address.

Which of the following is the MOST likely cause?

A. Crossover cable is being used
B. Switch was powered off

C. PoE is disabled on the port

D. Port on the switch is disabled

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Which of the following issues is a common problem in wireless infrastructures?

A. Incorrect port number

B. Mismatched SSIDs

C. Invalid telnet sessions

D. Too many collisions

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
A switch in IDF 3 has shut down at 3 p.m. every day this week. Which of the following network tools should Karen, a technician, use to troubleshoot this problem?

A. Environmental monitor

B. Cable tester

C. TDR

D. Loopback plug

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Kurt, an administrator, wants to eliminate remote access to a network from all users, except those

users in Kurt's own country. Which of the following security measures could he use to set up this functionality?

A. MAC filtering

B. Port filtering

C. IP filtering

D. TLS

Correct Answer: C
Section: (none)

Explanation

QUESTION 73
Users are unable to access the company's intranet website. Which of the following attacks has the network MOST likely experienced?

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

Correct Answer: D
Section: (none)
Explanation

QUESTION 74
Which of the following technologies would adhere to the AAA model while facilitating ease of login changes for multiple routers and switches?

A. DOCSIS
B. HDLC
C. SNMP
D. TACACS+

Correct Answer: D
Section: (none)
Explanation

QUESTION 75
Joe, a customer, has reported that the wireless signal from a WAP can only be found in one specific corner of a conference room. Which of the following is the MOST likely cause?

A. Incorrect encryption method
B. Incorrect antenna type
C. Incorrect channel
D. Incorrect SSID identifier

Correct Answer: B
Section: (none)
Explanation

QUESTION 76
Joe, a user, accidentally unplugs a cable from the patch panel and plugs it into the switch stack. Now, all users are unable to access any network resources. Which of the following is the MOST likely cause?

A. EMI
B. Mismatched MTUs
C. Looping
D. Faulty module

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Which of the following technologies is used on cellular networks?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
Which of the following terms correctly defines the event in which multiple dynamic routers agree on the state of the network?

A. Convergence
B. Spanning tree
C. Port mirroring
D. Link state

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
Which of the following would Sandy, a technician, find in a network map?

A. QoS standards
B. MDF/IDFs

C. System logs
D. Firewall rules

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
Joe, a network technician, has configured a server with the following IP settings:

IP Address: 192.168.1.40/27

Default Gateway: 192.168.1.64

DNS: 192.168.1.33

The server cannot access the Internet. Which of the following settings needs to be changed?

A. Default gateway
B. IP address
C. VLAN
D. DNS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
Sandy, a technician, is troubleshooting a cable problem. She has checked both ends and suspects an issue 50 yards (46 meters) from the location. Which of the following network tools will confirm this analysis?

A. TDR
B. Protocol analyzer
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C. Multimeter
D. Cable crimper

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
Which of the following is the broadcast address for a network defined as 192.168.0.0/24?

A. 192.168.0.255
B. 192.168.0.1

C. 192.168.0.0
D. 192.168.0.253

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Which of the following network performance methods would Sandy, a technician, use with SIP phones?

A. CARP
B. Load balancing
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C. Qos
D. Caching engines

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
Which of the following BEST describes the point at which an ISP's responsibility for an Internet connection ends?

A. Router
B. MDF
C. IDF
D. Demarc

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
After a switch upgrade, several users report no connection to the Internet, while other users report no problems. Which of the following is the MOST likely problem?

A. Wrong gateway
B. Faulty or missing routes
C. No DNS
D. VLAN port assignments

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
When examining a suspected faulty copper network cable. Karen, the administrator, notices that some of the pairs are untwisted too much. This is MOST likely causing which of the following?

A. DB loss
B. Dispersion
C. Collisions
D. Cross-talk

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
Joe, a network technician, is installing multiple 802.11 g WAPs with the same SSID. Which of the following channel combinations would allow all three WAPs to operate without interfering with each other?

A. 1, 6, 11
B. 2, 6, 10
C. 3, 5, 9
D. 7, 9, 11

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which of the following capabilities of a firewall allows Kurt, an administrator, to block traffic based on keywords

determined by the company?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
Which of the following ports would Kurt, a technician, need to open on a firewall to allow SSH on the default port?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Which of the following technologies has different upload and download speeds?

A. OC12
B. SDSL
C. OC3
D. ADSL

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
Kurt, the network technician, is troubleshooting a network issue by implementing a new security device. After installing and configuring the device, which of the following steps should he take NEXT?

A. Verify full system functionality
B. Identify the main problem and question the user
C. Document their findings, actions, and outcomes

D. Escalate the issue to upper management.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
Karen, an administrator, is attempting to connect a laptop to a server via RJ-45 ports on both a device and a CAT5 patch cable. All of the IP settings have been verified to be correct, yet there is a connectivity problem. Which of the following would MOST likely fix the IP connectivity problem?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
Which of the following is a Class A private IP address?

A. 4.2.2.2
B. 10.1.1.45
C. 169.254.9.15
D. 192.168.0 100

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
Which of the following defines the purpose of a DHCP scope?

A. To allocate a preset range of MAC addresses available for assignment.
B. To tell a DHCP server to exclude IP addresses.
C. To properly configure a DHCP server's allowed bandwidth level.
D. To allocate a preset range of IP addresses available for assignment.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
Which of the following would the telecommunications carrier use to segregate customer traffic over long fiber links?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Sandy, an administrator, wants to limit the wireless guest network traffic to 100Kbps so that utilization issues do not occur on the company's T1 Internet access network. Which of the following optimizations should Sandy implement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Which of the following tools would Sandy, a technician, BEST use to trace a wire through an area where multiple wires of the same color are twisted together?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99

A wireless LAN discovery tool that sends a null probe request to seek out wireless LANs, is a component of which of the following?

A. War driving
B. War chalking
C. WEP cracking
D. An evil twin

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
Karen, a user, took a laptop on vacation and made changes to the configuration in order to use the device at the hotel. She can reach the Internet, but cannot access any internal network resources.

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Which of the following is the MOST likely reason?

A. Incorrect DNS
B. Incorrect subnet mask
C. Duplicate IP address
D. Incorrect SSID

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 101
Karen, a technician, is connecting a new desktop computer to a switch. She was only able to locate one cable in the office for the installation. The wires at each end are color coded as follows:

End A: orange-white, orange, green-white, blue, blue-white, green, brown-white, brown

End B: green-white, green, orange-white, blue, blue-white, orange, brow-white, brown

Which of the following should Karen do to complete the installation?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 102
Which of the following identifies the WLAN Joe, a user, is connected to?

A. SSID
B. Frequency
C. WEP
D. Channel

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 103
Which of the following describes the purpose of DHCP?

A. Applying prioritization to certain types of network traffic.
B. Resolving FQDNs to IP addresses.
C. Filtering web content based on keywords.
D. Dynamic assignment of IP addresses.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 104
Sandy, an administrator, is responsible for one Linux and two Windows servers. She would like to review all server logs centrally. Which of the following services could Sandy use in this scenario?

A. Event logs
B. Baselines
C. Change management
D. Syslog

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 105
Which of the following connectors push and twist-on?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 106
Joe, a customer, has a wireless network and has reported that the network traffic from the wireless access points seems compared to the limited number of wireless devices used. Joe believes that other non-employees are using the wireless network to access the Internet. Which of the following could be used to limit the access to the wireless network? (Select TWO).

A. WPA encryption
B. Changing wireless channels
C. MAC filtering
D. Changing wireless speed standards
E. SSID disable
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Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 107
Which of the following security devices is used in providing packet and MAC address filtering services for the network?

A. Host-based proxy server
B. Network-based firewall
C. IDS
D. IPS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 108
Which of the following media types will block EMI?

A. UTP
B. Serial
C. STP

D. Non-plenum

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 109
Joe, a customer, wants to have wireless network access only in the conference room. He has placed a WAP in the room, but notices that offices across the hall also receive a wireless signal. Which of the following could be done together to solve this problem? (Select TWO).

A. Turn down the signal gain.
B. Increase the encryption method.
C. Change the wireless channel.
D. Replace the WAP's antennas with directional antennas "Pass Any Exam. Any Time." - www.actualtests.com 50
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E. Disable the SSID

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 110
Which of the following devices will allow Sandy, a user, to see a cached copy of websites?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 111
An organization currently has CAT5e cabling throughout its office. Karen, the network technician, is troubleshooting a new CAT6 run that supports network traffic, but does not meet specification when tested with a TDR. Which of the following is MOST likely the cause?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 112
Which of the following is a purpose of a VLAN?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 113
Which of the following layers of the OSI model would a NIC operate on?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 114
Karen, a network administrator, has discovered attempts to penetrate the network and access the customer database. Which of the following methods could she use to provide a false customer database to the attacker?

A. Radius
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B. DMZ
C. Honeypot
D. Kerberos

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 115

Which of the following OSI layers is included in the TCP/IP model's Application layer?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 116
Which of the following DNS records would allow for a website to have more than one FQDN?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 117
Joe, a customer, is looking to implement wireless security. Which of the following provides the WEAKEST encryption?

A. SSH
B. WEP
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C. TLS
D. EAP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 118
Which of the following commands can Sandy, a technician, use on a server to display the default router setting?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 119
A company is expanding and has found that logging into each device to collect error information is consuming too much time. They have asked Sandy, a network administrator, to set up a server that will capture errors from each device automatically. Which of the following technologies would BEST fit this requirement?

A. Syslog
B. RADIUS
C. IPSec
D. Network sniffer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 120
Kurt, a network technician, has configured a new firewall on the network. Users are reporting errors when attempting to access several websites. Kurt attempts to access several popular websites with no errors, however, he does receive an error when attempting to access a bank

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website. Which of the following rules would BEST allow access to the bank website?

A. Allow UDP port 53
B. Allow TCP port 80
C. Allow UDP port 340
D. Allow TCP port 443

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 121
Karen, a user, reports that the web browser is indicating the site certificate is not trusted. Which of the following attacks may be in progress?

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

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 122
Joe, a customer, has requested a solution to allow all internally and externally bound traffic to be monitored. Which of the following would allow a packet sniffer to do this?

A. A VPN client and VPN concentrator
B. A smart jack installed for each network jack
C. A managed switch with port mirroring
D. A proxy server with content filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 123
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Joe, a technician, is asked to install a new wireless router, and make sure access to the new wireless network is secured. Which of the following should be considered for security?

A. The router has the correct antenna type
B. The router has SSID disabled.
C. The router is compatible with 802.11g.
D. The router is broadcasting on the correct frequency.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 124
Which of the following OSI layers performs error detection using a Frame Check Sequence?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 125
Which of the following commands can Sandy, a network technician, use to check whether the DNS server for a

given domain is reachable?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 126
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Kurt, a network technician, has been notified that several PCs are infected and are sending spam emails. He wants to add a rule to the firewall to prevent the sending of emails from the internal network. Which of the following rules will prevent this?

A. Deny TCP port 25 outbound
B. Deny UDP port 53 outbound
C. Deny TCP port 110 outbound
D. Deny UDP port 213 outbound

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 127
Which of the following solutions will detect and disable a rogue access point?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 128
Which of the following layers of the OSI model is above the Session layer?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 129
Kurt, a user, is able to connect to a distant wireless network then loses connection. This is an ongoing problem for Kurt and the only wireless network around. Which of the following is MOST likely causing this problem?

A. Signal strength
B. Encryption type
C. Incorrect SSID
D. Incorrect channel

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 130
Which of the following is the loopback address for IPv6?

A. ::1
B. ::255
C. 127.0.0.1
D. 127:0:0:1

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 131
Which of the following tools would Sandy, an administrator, use to determine if there is a problem with a telephone line?

A. Port scanner
B. Punch down tool
C. Butt set
D. Toner probe

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 132

A firewall that examines all the incoming traffic and decides if the traffic is going to be allowed though or dumped is a example of which of the following?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 133
Joe, a network administrator, has been requested to install wireless access throughout the entire building, while utilizing a single SSID. Which of the following options will meet this requirement?

A. Set a separate VLAN on each WAP with the same encryption type
B. Set the SSID on each WAP and set contiguous WAPs to different channels
C. Set the SSID on each WAP and set contiguous WAPs to the same channel
D. Set a separate VLAN on each WAP with the same frequency

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 134
Which of the following connectors would Karen, a technician, use only for RG-6 cables?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 135
Which of the following allows for multiple operating systems to be run simultaneously on a single server?

A. Dual boot

B. Multiple hard drives

C. PXE boot

D. Virtual machines

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 136
Sandy, a network technician, would like to keep the IP address of the Human Resource department" s server in the same group of 100 DHCP IP addresses that are assigned to the Human Resource department's employee workstations. Which of the following would BEST allow this and have the ability for the server to keep the same IP address?

A. Implement a set of static IPs for the entire human resource department.

B. Use a DHCP reservation for the server IP address.

C. Use a small DHCP scope for the human resource department.

D. Connect the server to a router in the network closet on the same floor.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 137
Which of the following wireless network standards allows for the HIGHEST speeds?

A. 802.11a

B. 802.11b

C. 802.11g

D. 802.11n

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 138
Sandy, a network technician, needs to push changes out to network devices and also monitor the devices based on each device's MIB. Which of the following should she use?

A. SNMP

B. Traffic analysis

C. Syslog

D. Asset management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 139
Which of the following would Joe, a technician, MOST likely use to remotely verify port configuration of a switch?

A. traceroute command
B. SNMP monitor
C. nbtstat command
D. dig command

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 140
Which of the following can be used to view the list of ports on which a server is listening?

A. dig
B. net statistics
C. netstat
D. nslookup

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 141
Which of the following protocols uses port 3389?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 142
Sandy, a technician, needs to customize various cable lengths and verify that the cables are working correctly.
Which of the following tools would be needed to accomplish this? (Select TWO).

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 143
Which of the following is an invalid MAC address?

A. AA:CE:58:FD:90:08
B. 44:98:3E:F8:33:23
C. 56:AD:BX89:55:54
D. 94:9E:FE:EE:8C:DF

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 144
On which of the following layers does a hub function?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 145
Sandy, an administrator, is experiencing availability issues on a Linux server. She decides to check the server
for an IP address conflict on the server. Which of the following commands should Sandy use?

A. Traceroute

B. Tracert
C. Ifconfig
D. Ipconfig

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 146
After Kurt, a technician, has established a plan of action to resolve the problem, which of the following steps should he perform NEXT?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 147
Which of the following protocols does a router use to communicate packets to other routers?

A. RIP
B. VLAN
C. STP
D. VTP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 148
Which TCP/IP model layer does the OSI model layer named 'session' respond to?

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

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 149
Which of the following defines access for a network?

A. ACL
B. RDP
C. RAS
D. ARP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 150
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CompTIA JK0-019 Exam
Which of the following protocols would Sandy, a technician, use to disable switch ports automatically to prevent switching loops?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 151
Karen, an administrator, finds a phone line but does not know where the line goes or if it is active. Which of the following can be used to test if it is active?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 152
After a brownout, Kurt, a user, can connect to the internal network, but not the Internet. Which of the following

is the company's DSL router experiencing that is causing this issue?

A. Switching loop
B. Power failure
C. Broadcast storm
D. Duplicate IP address

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 153
The protocols that use a three way handshake to transfer information can be found within which layer of the OSI model?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 154
Which of the following uses copper wiring?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 155
Teachers and students at a school currently share the same bandwidth. The Internet performance for the teachers in the classroom is becoming extremely slow. Which of the following is the BEST method to mitigate the issue?

A. Increased uptime
B. Caching engines
C. Traffic shaping

D. Load balancing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 156
Which of the following is a reason to use dynamic DNS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 157
Sandy, a network consultant, is asked to set up a wireless network in a home. The home user wants the wireless network to be available in every corner of the house. Which of the following additional information will Sandy need to determine the equipment for the installation? (Select TWO).

A. The length of the house
B. How many rooms are in the house?
C. How many users will be using the wireless network?
D. The building material of the house
E. The cost of the house

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 158
Which of the following tools allows Kurt, an administrator, to test connectivity between two computers?

A. route
B. ping
C. ipconfig
D. tfconfig

Correct Answer: B
Section: (none)
Explanation

QUESTION 159
Which of the following should Joe, a technician, implement to provide high bandwidth to a VoIP application?

A. Caching engines
B. Fault tolerance
C. Load balancing
D. High availability

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 160
Joe, a network technician, is concerned about the environmental effects of power consumption and heat from network resources. Limited space is also a concern. Which of the following technologies should be implemented?

A. Circuit switching
B. Network address translation
C. Power over Ethernet
D. Virtual servers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 161
Which of the following is used by RADIUS to encrypt messages between the server and the client?

A. Public key
B. CSU/DSU
C. Private key
D. Shared secret

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 162
Which of the following is the MAIN purpose of a packet sniffer?

A. To determine open ports on a server
B. To ensure encryption is being used
C. To analyze network traffic
D. To prevent network intrusion

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 3, Main Questions Set C

QUESTION 163
In the 2.4GHz range, which of the following channel combinations are non-overlapping?

A. 1, 6, 11
B. 2, 7, 10
C. 2, 8, 13
D. 3, 6, 9

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 164
Which of the following is the port number used by HTTP?

A. 21
B. 80
C. 443
D. 3389

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 165
Which of the following is most effective against threats when used with an updated server? (Select TWO)

A. Kerberos server
B. Stateful firewall

C. Content filter
D. IDS
E. VPN concentrator

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 166
A crossover cable is MOST commonly associated with which of the following layers of the OSI model?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 167
For security reasons Kurt, a network technician, wants to install a Linux based email server. Microsoft web services, and directory services on different servers. Which of the following technologies would be BEST to reduce hardware costs?

A. VPN concentrator
B. Virtual servers
C. Wireless
D. Multimode fiber

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 168
A company is about to install a second network connection with a new ISP. Which of the following routing protocols is the BEST choice?

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

Correct Answer: B

QUESTION 169
A layer 3 switch can move packets between subnets based on which of the following criteria?

A. 802.1q tag
B. Port
C. Application
D. IP address

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 170
Which of the following would be used to test out the security of a specific network by allowing it to receive security attacks?

A. Honeynet
B. Honeypot
C. Vulnerability scanner
D. Network based IDS
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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 171
A bridge handles frames at which of the following layers of the OSI model?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 172
Joe, an administrator, is using a punch-down tool to connect a cable. To which of the following is Joe MOST

likely connecting?

A. A 110 block
B. A demarc
C. A DB-9
D. A smart jack

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 173
Joe, an administrator, has just finished installing a new switch and connected two servers with IPs of 192.168.105.20 and 30. The servers are able to communicate with each other, but are unable to reach the Internet. Joe sees the following information in the switch configuration:

Interface VLAN 105

IP address 192.168.105.5 255.255.255.0

CompTIA JK0-019 Exam
Joe is able to ping the router at 192.168.105 1 from the switch. Which of the following is the MOST likely cause of the problem?

A. The subnet mask is incorrect.
B. A routing loop has occurred.
C. Joe used a crossover cable to connect the switch to the gateway
D. The server is missing default-gateway information

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 174
Which of the following wireless technologies can support the MOST allowable MIMO streams?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 175

Which of the following devices should Joe, an administrator, connect to a protocol analyzer in order to collect all of the traffic on a LAN segment?

A. Hub
B. VLAN
C. Router
D. Server

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 176
Switch A is configured with VLAN 105 and 106. Switch B is configured with VLAN 105 and 107. Both switches are connected with a fiber cable. In order for packets from all VLANs to cross the fiber cable, which of the following configurations MUST be present?

A. Reverse ARP
B. Full duplex on the fiber link
C. PoE
D. 802.1q trunking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 177
Sandy, a user, is unable to access the company website on a laptop. A network technician verifies that the user can access other Internet pages. According to network troubleshooting methodology, which of the following steps should be taken NEXT?

A. Remotely connect to Sandy's laptop and review the network configuration settings.
B. Ping the web server from inside the network to ensure it is still up and running.
C. Check to make sure the company's website is accessible from the Internet.
D. Ensure the Ethernet cable is securely plugged into Sandy's laptop.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 178
Karen, a network technician, is troubleshooting a problem and has just established a plan of action to resolve the problem. Which of the following is the NEXT step in the troubleshooting methodology?

A. Verify full system functionality and if applicable implement preventative measures.

B. Implement the solution or escalate as necessary.
C. Document findings, actions, and outcomes.
D. Establish a theory of probable cause (e.g. question the obvious).

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 179
Which of the following wireless technologies can support the GREATEST distance on either 2.4GHz or 5GHz frequencies?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 180
A company needs strong wireless security enabled for minimal cost. Which of the following security measures is the BEST to use?

A. WEP
B. Port filtering
C. WPA
D. Longer SSID broadcast intervals

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 181
Which of the following ports is the default telnet port?

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

Correct Answer: D

Explanation/Reference:
Explanation:

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QUESTION 182
Sandy, a network technician, is attempting to map a FQDN to an internal server at the address of 10.0.0.15 without NAT/PAT. Which of the following is the reason this will ultimately not work?

A. This is a private address which cannot be seen by external users.
B. The address does not have the appropriate subnet mask assigned.
C. This is a public address which can only be seen by internal users.
D. This is a private address which can only be seen by external users.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 183
Which of the following is the network topology in which computers connect to form a straight line?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 184
Users have reported slow access times when retrieving information from a server on the company's network. Which of the following tools would provide access time information on each segment of the network to reach the server?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 185
Karen, a network administrator, needs to add an additional connection to a room. She adds a new Ethernet switch and must connect it to an existing switch. Which cable type should Karen use to connect the two switches?

A. CAT3 cable
B. Serial cable
C. Crossover cable
D. Rollover cable

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 186
Which of the following DNS record types provides the hostname to IP address mapping?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 187
The selection of the correct punch down tool to use depends on which of the following?

A. Connector type
B. Demarcation point location
C. Block type
D. Switch location

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 188
Which of the following uses a ring topology?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 189
A company wants to secure access to its internal wireless network. The company wants to use the most secure means to access the network. Which of the following is the BEST choice for wireless security in this situation?

A. WEP encryption
B. Channel rotation
C. Disable SSID
D. WPA encryption

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 190
1000BaseT has a MAXIMUM run distance of:

A. 25 meters (82 feet)
B. 100 meters (328 feet)
C. 500 meters (1640 feet)
D. 1000 meters (3280 feet)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 191
Sandy, an administrator, attempts to open a web page and sees the following error 'Error 404: Page not found'. She then uses the ping command and finds that the default gateway cannot be pinged. At which of the following layers does the problem MOST likely reside?

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

D. Layer 7

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 192
Which of the following protocols is Joe, a technician, using to encrypt data between web servers and web browsers?

A. SMTP
B. SIP
C. HTTP
D. SSL

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 193
Which of the following would Karen, a technician, use in voice over IP communications?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
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Explanation:

QUESTION 194
Kurt, an administrator, needs to install a new 100 foot (30 meter) cable run from an IDF switch to the MDF, through a room that has a large number of motors. Which of the following would be the BEST cable type to choose?

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

Correct Answer: D
Section: (none)
Explanation

QUESTION 195
Karen, a customer, wants to install a wireless network into a shared office space. There are several other wireless networks from other companies that can be detected within the office space. Which of the following should be configured on Karen's wireless network to differentiate it from other wireless network and still provide the BEST performance and security? (Select TWO).

A. SSID
B. Channel
C. Antenna type
D. Wireless standard
E. NAT

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 196
Joe, a user, can no longer access the accounting file share, but others are still able to access the share. Which of the following would be the FIRST step in troubleshooting the issue?

A. Notify senior management of the issue.
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B. Develop a probable cause theory.
C. Ask Joe if anything has changed on the system.
D. Escalate the issue to the vendor.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 197
Which of the following wiring standards would Karen, a technician, MOST likely use to interconnect two devices without the use of a hub or switch?

A. 568A
B. 568B
C. Crossover
D. Loopback

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 198
Which of the following would provide Kurt, a technician, with a performance reference point to refer back to after hardware repair?

A. Baseline
B. Network map
C. Wire scheme
D. Asset management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 199
Which of the following connector types is MOST commonly found with coaxial cabling?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 200
Which of the following connector types will MOST likely be located on a serial cable?

A. DB-9
B. LC
C. ST
D. BNC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 201
Kurt, a user, on a network cannot access any network resources. The link light on his computer shows that a connection is present. Which of the following is the MOST likely cause of the problem?

A. The wrong cable type has been used
B. IDS has shut down the computer's switch port

C. The port on the switch is configured incorrectly
D. Spanning tree protocol was implemented

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 202
Which of the following basic devices blocks ports and can sometimes filter data?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 203
Which of the following protocols is commonly used for VoIP technology?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 204
Which of the following metrics indentifies the number of connections that is between two devices?

A. Hop count
B. MTU
C. Latency
D. Bandwidth

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 205
A router that takes the workstations internal IP address and changes it to another IP address when it sends the
data outside of the network is and example of which of the following?

A. NAT

B. IDS
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C. NMAP
D. DMZ

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 206
Karen, a technician, is asked to run new cabling for an office that is 350 feet (107 meters) away from the
networking equipment. The type of cable being run is CAT6. Karen purchases and installs a 500 foot (152
meters) CAT6 cable, but after installation, notices a weak signal between the office and the networking
equipment. Which of the following would have been the BEST to install instead of the CAT6 cable?

A. Install two CAT6 cables with a repeater.
B. Install a 500 foot (152 meter) CAT5 cable.
C. Install a 500 foot (152 meter) CAT5e cable.
D. Install three CAT6 cables with a repeater.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 207
Kurt, the network administrator, has just finished installing a new 10/100/1000 switch, but receives reports from
the server administrator that servers connected to the new switch seem to be experiencing slow LAN
connections. Kurt checks the port connecting the new switch to the core switch and sees the following
information:

#show run interface GigabitEthernet 0/10

Switchport trunk encapsulation dotlq

Switchport mode trunk

Switchport trunk native VLAN 10

Which of the following is the MOST likely cause of the slow connections?

A. The servers have not had VLAN tagging enabled on their NICs
B. Speed and duplex have not been set
C. VLAN tagging was not set on the trunk
D. The servers have been connected with CAT5 cable

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 208
Karen, an administrator, wants to list all the network connections to and from the server. Which of the following commands would MOST likely be used?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 209
Which of the following regulates the amount of network traffic a single node receives in a server cluster?

A. Load balancer
B. Proxy server
C. Content filter
D. Quality of service

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 210
Before installing a wireless network, which of the following should Karen, a network technician, take into consideration to reduce signal exposure for war drivers?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 211
Which of the following ports would have to be allowed through a firewall to allow SNMP traffic to pass on its default port? (Select TWO).

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

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 212
In which of the following layers of the OSI model does the TCP protocol operate?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 213
Which of the following DNS records would be queried to locate a company's mail server?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 214
Which of the following improves wireless performance only allowing only one wireless transmission on the network at a time?

A. CSMA/CA
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B. CSMA/CD
C. Wireless encryption
D. Wireless bonding

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 215
After a baseline check was completed it was noted that the network was working far below the level of the last baseline. Which of the following should Joe, the technician, do NEXT to determine where the network problems are occurring?

A. Upgrade the firmware on all routers and switches
B. Reboot the entire network one device at a time
C. Conduct a network traffic analysis
D. Rerun the baseline to ensure the results were correct

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 216
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The location where the Telco wiring stops and the clients wiring starts is known as the:

A. MDF
B. demarc
C. IDF
D. 66 block

Correct Answer: B
Section: (none)
Explanation

QUESTION 217
Which of the following layers of the OSI model maps to the Network Interface layer of the TCP stack? (Select TWO).

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

Correct Answer: AC
Section: (none)
Explanation

Topic 4, Practice Questions Volume A

QUESTION 218
Which of the following would help a new administrator quickly determine if a network had a VLAN for its publicly accessible servers?

A. Baselines
B. Regulations
C. Logical network diagrams
D. Wiring schematics

Correct Answer: C
Section: (none)
Explanation

QUESTION 219
A common technique used to prevent the unauthorized network devices from sending traffic across a network is port.

A. spanning
B. address translation
C. mirroring
D. authentication

Correct Answer: D
Section: (none)
Explanation

QUESTION 220
When installing two 802.11g access points in the same building, which of the following channels will MOST likely be used to minimize interference?

A. 5 and 6
B. 1 and 6
C. 6 and 10
D. 2 and 6

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 221
Which of the following devices transmits timed broadcasts onto an active network?

A. Bridge
B. Unmanaged switch
C. DHCP client
D. Firewall

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 222
Which of the following can be an STP cable?

A. RG-6
B. CAT5e
C. Fiber
D. RG-59

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 223
Which of the following is used to identify active hosts along with their network addresses?

A. Port scan
B. Ping sweep

C. IDS
D. NIPS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 224
A section of the building has been having intermittent connectivity problems lately. An action plan and solution has been created. Which of the following steps would an administrator perform NEXT?

A. Document the solution and process.
B. Establish the most probable cause.
C. Implement and test the solution.
D. Identify additional symptoms and problems

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 225
A web server is running correctly but sending a RST packet to any client trying to connect using HTTP on TCP port 80. Which of the following tools should be used to determine the listening port of the web server?

A. Route
B. Ifconfig
C. Netstat
D. Nslookup

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 226
Which of the following is a multifunction device in a SOHO network?

A. Bandwidth shaper
B. Proxy server
C. Wireless router
D. Load balancer

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 227
Which of the following is an EGP routing protocol?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 228
Which of the following is used by RADIUS to encrypt messages between the server and the client?

A. Public key
B. CSU/DSU
C. Private key
D. Shared secret

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 229
Which of the following is the name of the routing update process involved when a change occurs in the routing environment?

A. Supernetting
B. Dynamic
C. Subletting
D. Convergence

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 230
Which of the following is MOST commonly powered using PoE?

A. Routers
B. Switches
C. Laptops
D. Access points

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 231
Which of the following should an administrator do after running a command from the console on the perimeter router?

A. Update the configuration logs
B. Update the network wiring schematics
C. Update the network configuration procedures
D. Compare the configuration with the baseline

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 232
Which of the following features should an administrator configure to allow an IDS to watch the traffic on a switch?

A. ARP spoofing
B. VLAN
C. Mirroring
D. Spanning tree

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 233
Which of the following utilities would be used to display a NIC's cache of MAC addresses?

A. arp
B. nslookup

C. dig
D. netstat

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 234
Which of the following WAN technologies uses a telephone cable?

A. POTS
B. FDDI
C. SONET
D. Cable modem

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 235
Which of the following is an intelligent repeater that is aware of the MAC addresses of the nodes on either side
of the data link?

A. Gateway
B. Hub
C. Bridge
D. Router

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 236
Which of the following security devices would MOST likely be used on a network to screen and prevent
malicious traffic?

A. IDS
B. VPN
C. NIPS
D. HIDS

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 237
At which of the following layers does the ICMP protocol operate?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 238
A user reports sporadic connectivity with their wireless connection. A technician determines the wireless speed reported by the laptop to be 1Mbps. Which of the following is the MOST likely cause of this issue?

A. The client does not support 802.11n.
B. Incorrect frequency on the client is being used.
C. Incorrect encryption on the AP.
D. The client distance from the AP.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 239
Which of the following are common VPN transports? (Select TWO)

A. RDP
B. VNC
C. SSL
D. PPTP
E. RAS

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation: Secure Sockets Layer (SSL), are cryptographic protocols that provide communication security over the Internet.

The Point-to-Point Tunneling Protocol (PPTP) is a method for implementing virtual private networks. PPTP uses a control channel over TCP and a GRE tunnel operating to encapsulate PPP packets

QUESTION 240
Which of the following interfaces is used to connect analog devices to the Internet?

A. POTS
B. ATM
C. VDSL
D. SDSL

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 241
Which of the following would contain information regarding network device alerts using SNMP?

A. Syslog
B. Audit log
C. History log
D. Ping sweep reports

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 242
A network technician arrives to work and discovers users are having a problem connecting the company server. The server operator was working on upgrades the night before. Which of the following documents should the technician use to attempt to discover the problem?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 243
Which of the following are valid MAC addresses? (Select TWO)

A. 00-1C-1F-2C-13-43

B. FFFF.FFFF.FFFF
C. 00-1B-26-3F-B1-16-34
D. 00-01-1E-2F-B3-16-01
E. 001C.1G2F.1234

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 244
Which of the following tools would an administrator use to determine if a DNS server is answering authoritatively for a domain?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 245
Which of the following is a correct IP ACL? (Select TWO)

A. PERMIT 192.268.20.1
B. DROP 00-12-34-56-78-9A
C. DENYO:::0:::0:::3
D. DENY ANY ANY
E. PERMIT 192.168 1.100 80

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 246
Which of the following is an example of a MAC address?

A. 10.0.10.1
B. 1A-23-F9-CD-06-9L
C. 1A-23-F9-CD-06-9B
D. 1A-23-F9-CD-06-9B-23-5C

Correct Answer: C

Explanation/Reference:
Explanation:

QUESTION 247
Which of the following is a performance optimization technology?

A. QoS
B. Trunking
C. Spanning
D. VoIP

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 248
A technician receives an urgent call that the switch in accounting is down. Which of the following should the technician do FIRST to troubleshoot this issue?

A. Identity symptoms and problems
B. Document the process and solutions
C. Establish the most probable cause
D. Escalate if necessary.

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 249
By default, which of the following ports would a network need to have opened to allow for the transmission of incoming and outgoing email? (Select TWO).

A. 21
B. 25
C. 80
D. 110
E. 123

Correct Answer: BD

Explanation/Reference:
Explanation:

QUESTION 250

A Stateful firewall is MOST useful in protecting against which of the following network scans?

A. PING
B. UDP
C. Xmas
D. ACK

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 251
Which of the following would be BEST to use when identifying HTTP traffic running on TCP port 53?

A. Network layer firewall
B. Stateful inspection firewall
C. Zone aware firewall
D. Application layer firewall

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 252
An administrator is setting up a network and would like to prevent users from having the ability to plug their PC into the network to receive an IP address. Which of the following addressing schemes should the technician use?

A. NAT
B. Dynamic
C. Subnetting
D. Static
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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 253
Which of the following features does SNMPv3 have over previous versions when remotely monitoring networking devices? (Select TWO).

A. Trap receivers
B. HTTPS
C. Authentication
D. Privacy

E. Availability

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 254
An administrator only has one public IP address that must be shared among five employees. Which of the following network schemes should be used?

A. SNAT
B. SNAP
C. NAC
D. MPLS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 255
Several users from the same location are reporting problems accessing the intranet server. An administrator has verified that no other remote areas are having issues connecting to the same server. Which of the following steps should the administrator perform NEXT?

A. Determine what has changed
B. Test a solution.
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C. Establish the most probable cause
D. Escalate the problem to the right section

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 256
Which of the following authenticates a web server to the remote client in PKI?

A. FQDN
B. DNS name
C. Public key
D. Private key

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 257
An administrator needs to diagnose problems with a WINS server. Which of the following tools should be used?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 258
Which of the following connector types is used for coax cable?

A. BNC
B. ST
C. LC
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D. SC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 259
In an enterprise setting, access switches providing network connectivity placed throughout a building are typically connected to a backbone called the:

A. MDF
B. Proxy
C. Demarcation point
D. Smart jack

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 260
Which of the following wireless standards has the highest maximum data rate?

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

D. 802.11g

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 261
Which of the following solutions will detect and disable a rogue access point?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 262
A zone transfer occurs over which of the following ports?

A. TCP 53
B. UDP67
C. UDP123
D. TCP 25

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 263
A technician claims to have crimped a patch cable according to the T568A standard on one end and T568B on the other. Which of the following results is to be expected?

A. Since only half the leads are used, the cable will only work at 100Mbps.
B. The cable will only work at a maximum of 100Mbps. since 1Gbps only works on T568B cables.
C. There will be no proper data continuity; the standards utilize two different wiring diagrams.
D. The cable will only work at a maximum of 10Mbps. since 100/1000Mbps only works on T568B pure cables

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 264
An administrator is setting up a security camera that will send the same feed to twelve of the twenty workstations on the network. Which of the following addressing schemes was designed for this scenario?

A. Multicast
B. Unicast
C. Broadcast
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D. Peer-to-peer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 265
Which of the following protocols should be used to monitor network performance?

A. SNTP
B. SMTP
C. HTTP
D. SNMP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 266
A user receives an email slating that their account was compromised and there is a need to verify account credentials by submitting the correct information on a website. Which of the following security threats is occurring?

A. Phishing
B. Smurf attack
C. Denial of service
D. Man-in-the-middle

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 267
Which of the following protocols requests membership to a multicast group?

A. IGMP
B. SNMP
C. SMTP

D. ICMP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 268
A standard installation for wireless will use which of the following antenna types?

A. Sector
B. Patch
C. Yagi
D. Omni-Directional

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 269
Which of the following regulates the amount of network traffic a single node receives in a server cluster?

A. Load balancer
B. Proxy server
C. Content filter
D. Quality of service

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 270
A technician would like to separate the HR department's workstations from the other workstations at the company. Which of the following network topologies should be used?

A. Peer to peer
B. Subnetting
C. VLAN
D. VPN

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 271
A client wants to improve the wireless coverage on the third floor of their house. The wireless router is located in the basement and there is no easy way to run a cable to the third floor. Which of the following devices should be installed to extend the wireless coverage to cover the entire third floor without running cables?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 272
An administrator has completed the installation of a new WLAN. Which of the following configuration management documents needs to be updated?

A. Logical network diagram
B. History logs
C. Baseline configurations
D. Wiring schematics

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 273
Which of the following describes what the number two represents in l00Base2 cabling?

A. Fiber
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B. Coaxial cable
C. UTP
D. Twisted pair

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 274
A crossover cable is MOST commonly associated with which of the following layers of the OSI model?

A. Session
B. Application

C. Network

D. Physical

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 275
Hardware locks, keypads on entry doors, badge readers, and biometric readers are all examples of which of the following security types?

A. Physical

B. Logical

C. Software

D. Authentication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 276
Which of the following has a MAXIMUM distance of 300 meters (984 feet)?

A. 1000BaseT
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B. 10GBaseSW

C. 100BaseFX

D. 100BaseTX

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 277
Which of the following documents should always be kept up-to-date after any major changes are made to a network backbone?

A. Network diagram

B. Performance baseline

C. Network security procedure

D. Company policy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 278
Which of the following is a disadvantage of using the EIGRP protocol?

A. It does not scale well.
B. It converges slower than OSPF.
C. It is a proprietary protocol.
D. It is a distance vector protocol.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 279
Which of the following routing protocols runs over UDP and determines path based upon distance vectors?

A. RIP
B. DSI
C. BGP
D. ISIS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 280
Which of the following is equipment provided by the telephone company that provides remote diagnostic and loopback services for subscriber lines?

A. 66 block
B. Demarc
C. Smart jack
D. 110 block

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 281
An administrator is troubleshooting a communication issue between two computers on the same Layer 2 switch. Which of the following is the BEST way to determine if the switch is causing the issue?

A. Setup an ACL that allows and logs all IP traffic between the two computers

B. Configure a spanning tree to check for a loop
C. Setup a span port on the switch to watch for CRC errors
D. Connect both computers using a crossover cable

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 282
Which of the following devices is used to connect multiple devices to a network and does not stop broadcast traffic?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 283
Which of the following protocols allow the set up, teardown and streaming of VoIP traffic? (Select TWO)

A. NTP
B. VNC
C. RTP
D. SIP
E. TLS

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 284
Which of the following is a secure method of copying information over a public network?

A. SCP
B. SMTP
C. SNMP
D. TFTP

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 285
An administrator needs to authenticate users to the network, authorize network activities, and account for activities done. Which of the following are services that will BEST meet these goals? (Select TWO).

A. TACACS+
B. RADIUS
C. Kerberos
D. 802.1X
E. RRAS

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 286
An administrator receives reports from users in an office that their 802.11g wireless connectivity has been problematic since the installation of the new wireless phone system. At which of the following frequencies are both systems operating at to cause this issue?

A. 2.4GHz
B. 900MHz
C. 1.1GHz
D. 5GHz

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 287
An administrator suspects that an incorrect POTS line is carrying the DSL signal. Which of the following will help diagnose this issue?

A. Multimeter
B. Toner probe
C. Protocol analyzer
D. Butt set

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 288
An administrator wants to test the network MTU. Which of the following commands allows different

size packets to be sent?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 289
Which of the following is used to serve as an emergency backup line to troubleshoot a broadband connection on many routers?

A. DSL
B. POTS
C. VDSL
D. Smart jack

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 290
Which of the following protocols uses UDP to transfer files?

A. FTP
B. SFTP
C. SMTP
D. TFTP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 291
Which of the following would be used to connect two IDFs in the same building with the LAN, while

minimizing crosstalk?

A. RG-6
B. STP
C. CAT3
D. UTP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 292
Which of the following network devices would MOST likely be installed to allow the company's single public IP to be shared and translated into local IPs for network devices?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 293
A technician who separated two departments using VLANs now discovers that the VLANs cannot communicate with each other. Which of the following does the technician need to enable communication between the VLANs?

A. Port spanning
B. VLAN concentrator
C. Firewall
D. Router

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 294
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Which of the following network topologies BEST describes a VPN? (Select TWO)

A. Point to Point
B. Point to Multipoint
C. VLAN
D. Ring
E. Bus

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 295
Which of the following cable speeds would provide the GREATEST theoretical bandwidth?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 296
Which of the following is true about an IP address if the first bit is a zero?

A. The address is a Class A address.
B. The address is a Class B address.
C. The address is a Class C address.
D. The address is a Class D address.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 297
Which of the following tools are BEST used to cut away the outside covering of a CAT5e cable?

A. Stripper
B. Punch down tool
C. Butt set
D. Snips

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 298
Which of the following is typically used In an LAN environment?

A. 10GBaseSW
B. 10GBaseLW
C. 10GBaseSR
D. 10GBaseEW

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 299
After testing a new 100BaseTX cable, the technician determines that only pairs 4, 5, 7, and 8 are straight-thru wires. Which of the following MOST likely describes this cable type?

A. Crossover cable with open pairs
B. Crossover cable
C. Rollover cable
D. Straight-thru cable with open pairs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 300
A server keeps rebooting at various times throughout the day. Which of the following tools would BEST help to diagnose this issue?

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A. Multimeter
B. Temperature monitor
C. Cable tester
D. Toner probe

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 301
Which of the following devices would allow a technician using a packet sniffer to view all the data on a network?

A. GBIC
B. Hub
C. Bridge
D. Modem

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 302
An administrator finds a phone line but does not know where the line goes or if it is active. Which of the following can be used to test if it is active?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 303
Which of the following allows a technician to mask a private network of IP addresses behind one public IP address?

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A. NAT
B. Subnetting
C. DHCP
D. DNS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 304
An administrator is deploying three B/G wireless access points in a new office location. Which of the following channels eliminates interference?

A. 1, 6, and11
B. 3, 6, and 9
C. 11,16, and20
D. 36, 40, and 44

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 305
An administrator receives a contract for a server install at a new building. Which of the following should be completed after installing the server?

A. Log the administrator password used
B. Test the air temperature
C. Update the network diagram
D. Review the evacuation procedures

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 306
Which of the following is a reason to block FTP at the corporate firewall?

A. It does not transfer encrypted files.
B. It cannot be tunneled in a VPN.
C. It is a deprecated protocol.
D. It transmits passwords in clear text.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 307
A network IPS provides which of the following?

A. The layer 3 protocol on which other protocols like TCP and UDP communicate.
B. Enables the IPSec protocol on internal workstations.
C. Packet-based detection and prevention of network attacks.
D. Single mode IP communication for a fiber line between remote sites.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 308
An administrator is configuring IP 10.178.1.5 on a legacy device that will only accept a classful address. Which of the following is the address that can be used in this scenario?

A. 10.178.1.5/1
B. 10.178.1.5/8

C. 10.178.1.5/16
D. 10.178.15/30

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 309
Which of the following should be configured to provide priority to voice traffic?

A. Port mirroring
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B. DMZ
C. Qos
D. Trunking

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 310
Which of the following protocols is the LEAST secure and should be avoided on a wireless network?

A. WEP
B. PEAP
C. WPA
D. TKIP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 311
Which of the following is an invalid subnet mask?

A. 255.0.0.0
B. 255.256.255.0
C. 255.255.255.255
D. 255.255.00

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 312
Which of the following tools would a technician use to check functionality of a physical network connection?

A. Butt set
B. Cable tester
C. Protocol analyzer
D. Voltage event recorder

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 313
Which of the following methods can move files in clear text and can be easily intercepted?

A. RSH
B. SNMP
C. FTP
D. TELNET

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 314
A technician needs to troubleshoot connectivity between two devices located on the same network. Which of the following BEST describes the type of protocol being used?

A. IGP
B. EIGRP
C. EGP
D. BGP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 315
Which of the following ports are used by default for web servers? (Select TWO).

A. 80
B. 110

C. 123
D. 143
E. 443

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 316
An administrator is trying to isolate the location of a persistent connectivity problem caused by a faulty NIC. Which of the following diagrams would assist the technician in finding the machine that is causing the problem?

A. Physical and logical network
B. Physical network
C. Logical network
D. DHCP tables and DNS records

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 317
Which of the following connectivity issues is likely to occur within a token ring network?

A. Crosstalk
B. Broadcast storm
C. Duplex mismatch
D. Collision

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 318
An administrator is having a hard time adding a new switch to the network. After verifying that all the ports are configured correctly on each switch, which of the following should the administrator verily NEXT?

A. Straight-through cable is used to connect both switches
B. Loopback plug is connected
C. Crossover cable is used to connect both switches
D. Cable is a rollover cable

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 319
Which of the following devices would MOST likely integrate a DHCP server?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 320
The helpdesk is receiving calls about the corporate web server being down. Which of the following should be taken NEXT after verifying that the server is unreachable?

A. Escalate the call to a technician
B. Document any changes in the web server configuration.
C. Implement and test a solution.
D. Continuously ping the server until a ping response is obtained

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 321
Which of the following tools would an administrator BEST use to trace a network cable?

A. Toner
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B. Cable tester
C. Butt set
D. Multimeter

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 322
An administrator wants to prevent users from plugging in their personal laptops and accessing the Internet without a member of the IT staff configuring the machine first. Which of the following would MOST likely be installed?

A. Multilayer switch
B. CSU
C. Proxy server
D. IDS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 323
Which of the following technologies allows an administrator to submit traffic to an IDS for review?

A. Spanning tree
B. VLAN
C. PoE
D. Port mirroring

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 324
Which of the following is true of an ACL when a packet matching an ACE is found?

A. The matching ACE is skipped to allow all other ACEs to be examined.
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B. The matching ACE is processed and then the last ACE is examined.
C. The matching ACE is processed and then the next ACE is examined.
D. The matching ACE is processed and the next packet is examined.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 325
Which of the following technologies is used on the backbone of an ISDN?

A. VDSL
B. SDSL
C. OC3
D. ATM

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 326
A user connecting a laptop to a wall jack is prompted for user credentials before being granted access to the network. Which of the following is MOST likely implemented on the switch?

A. MAC filtering
B. PoE
C. IP filtering
D. 802.1X

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 327
A network administrator needs to add an additional connection to a room. The administrator adds a new Ethernet switch and must connect it to an existing switch. Which cable type should be used to connect the two switches?

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A. CAT3 cable
B. Serial cable
C. Crossover cable
D. Rollover cable

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 328
Which of the following is the purpose of QoS?

A. Load balance traffic across multiple LAN and WAN links.
B. Increase speed of network traffic.
C. Classify, mark, and prioritize traffic on WAN and LAN links
D. Guarantee traffic delivery.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 329
Which of the following LAN technology has a MAXIMUM range of 10,000 meters (6 miles)?

A. 10GBaseER
B. 10GBaseSW
C. 10GBaseLW
D. 10GBaseEW

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 330
Prioritizing traffic between data and voice is defined as which of the following?

A. Caching engines
B. Proxy server
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C. QoS
D. Load balancing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 331
A demarcation point is usually installed and managed by which of the following providers?

A. Web host provider
B. VoIP company
C. Telephone company
D. Hardware manufacturer

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 332
Which of the following wiring distribution components should be chosen to provide level integrated diagnostic capabilities?

A. Vampire tap
B. Smart jack
C. Demarcation point
D. Programmable logic controller

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 333
A technician needs to add network capacity. However, when plugging a second switch into the first switch, there is no link light. Which of the following is the cause of this situation?

A. The switches are not stackable.
B. The cable was not wired using 568A.
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C. The cable needs to be a crossover cable
D. The switches have IGMP snooping enabled

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 334
Which of the following allows a WAP to be installed in a location where there are no power outlets available?

A. Port authentication
B. PoE
C. PPTP
D. Trunking

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 335
When testing a CAT5 cable, the technician notices that pin A is open. However, the cable still works fine. Which of the following describes how this is possible?

A. The cable was tested for 100BaseTX.
B. The cable is a 1000BaseT cable.
C. The switch uses link aggregation,
D. The switch was setup to use MDIX.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 336
Users are unable to access the Internet but the users are able to send/receive email from their desktops.
Which of the following ports is MOST likely being blocked?

A. 25
B. 80
C. 110
D. 143

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 337
Which of the following would need to be implemented on a wireless router to allow network access based on a passphrase that the administrator would supply?

A. WPA-PSK encryption
B. SSID broadcast
C. Port forwarding
D. MAC filtering

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 338
Which of the following routing protocols are unable to advertise CIDR networks? (Select TWO)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 339
When installing a wireless network in a large area, which of the following is the FIRST thing that should be considered when trying to get the MOST coverage?

A. SSID naming
B. Device placement
C. Encryption methods

D. Channel selection

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 340
Which of the following utilities would be used to display a network's MX record?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 341
Which of the following is the term used to describe the aggregation of multiple components to form one logical component?

A. Bonding
B. Circuit switching
C. CSMA/CD
D. Channelization

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 342
Which of the following performs posture assessments for unknown devices that connect to the network?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 343
At which of the following OSI model layers is HTTPS encryption performed?

A. Layer 3
B. Layer 5
C. Layer 6
D. Layer 7

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 344
Which of the following network cable types requires grounding?

A. STP
B. UTP
C. Fiber
D. Serial

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 345
An administrator is concerned about users utilizing the company's wireless signal with their personal laptops. Which of the following is the BEST method to use to prevent unauthorized devices from using the company's wireless network?

A. Secure VPN
B. MAC filtering
C. IP filtering
D. Static IP addresses

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 346
Which of the following cables is the MOST susceptible to interference?

A. Fiber
B. Coax

C. UTP
D. STP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 347
Which of the following ports is the default telnet port?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 348
On which of the following network devices would an administrator configure an ACL?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 349
Which of the following analyzes the entire subnet to identify all hosts that are active?

A. Ping sweep
B. Packet sniffer
C. Traceroute
D. Port scanner

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 350
A user is attempting to connect to the network remotely using a laptop and dial-up. The user plugs the cable into the only available laptop connection, but the connector is loose inside the port. The MOST likely reason the connector is loose is the:

A. RJ-11 connector needs to be re-crimped
B. User has plugged into the laptop's NIC port
C. User has plugged the wrong end of the cable into the port
D. RJ-11 connector needs to be replaced with an RJ-45 connector

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 351
Which of the following is true of stateless inspection?

A. It is not able to determine which ports to block.
B. It is able to detect packets from established connections only.
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C. It is able to determine the connection state of all packets going through the firewall
D. It is not able to determine if a packet is related to an established connection.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 352
An administrator would like to know the name of the workstation that is being repaired. Which of the following commands, without parameters, will provide this information?

A. Hostname
B. Ipconfig
C. Netstat
D. Ping

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 353
Which of the following troubleshooting steps should be performed NEXT after a core router has been reported down?

A. Implement a solution.
B. Establish the outage cause.

C. Identify all affected areas.

D. Test a solution.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 354
Which of the following routing protocols involves all routers knowing the connections status of other routers within the network?

A. RIPv2
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B. OSPF

C. IGRP

D. BGP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 355
A technician is working on a SOHO wireless network and notices that the wireless adaptor in the laptop shows excellent connection at 11Mbps. The technician has a wireless N adaptor. Which of the following would BEST describe this connection speed?

A. The laptop is too far away from the WAP.

B. The WAP is using 802.11a frequencies.

C. The laptop is only set to allow 802.11n connections.

D. The technician is on an 802.11b network.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 356
Users report an intermittent degradation of sound on their IP phones. Which of the following would a network administrator do to alleviate the problem?

A. Use plenum cables

B. Provide fault tolerance for the switch

C. Configure VLAN trunking on the switch

D. Configure QoS

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 357
Which of the following network devices would MOST likely be installed on a network to help reduce broadcast traffic and to allow individual virtual networks?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 358
A natural disaster has occurred and the administrator must return the network to a healthy status. Which of the following should the administrator do in this case?

A. Follow the emergency action plan.
B. Wait for an issue to be reported.
C. Establish a new baseline.
D. Determine if escalation is necessary.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 359
Switch A is configured with VLAN 105 and 106. Switch Bis configured with VLAN 105 and 107. Both switches are connected with a fiber cable. In order for packets from all VLANs to cross the fiber cable, which of the following configurations MUST be present?

A. Reverse ARP
B. Full duplex on the fiber link
C. PoE
D. 802.1q trunking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 360
Which of the following connector types is commonly identified by two rows of pins with four in one row and five in the other?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 361
At which of the following layers does the UDP protocol operate?

A. Layer 1
B. Layer4
C. Layer 6
D. Layer 7

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 362
Interior gateway protocols are used for resolving routes:

A. Between networks
B. Within routers
C. Within networks
D. Between WAPs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 363
Which of the following commands would allow a computer to acquire an IP address?

A. ipconfig/release
B. ipconfig/renew
C. ipconfig/all

D. ipconfig/help

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 364
Which of the following protocols can be used to retrieve system and network performance information from a router?

A. LDAP
B. IMAP
C. TFTP
D. SNMP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 365
Which of the following devices can be installed on individual computers throughout the network?

A. NIPS
B. Network-based firewall
C. VPN concentrator
D. Host-based firewall

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 366
Several users are sending emails to CompTIA.org. but they are not being received. Which of the following commands could be used to verify that the company is able to connect to the mail service at CompTIA.org?

A. Ping
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B. Arp
C. Dig
D. telnet

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 367
Which of the following metrics indentifies the number of connections that is between two devices?

A. Hop count
B. MTU
C. Latency
D. Bandwidth

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 368
Which of the following tools can be used to identify the location of a network outage?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 369
Which of the following has a maximum data rate of 11Mbps?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 370
Which of the following networks are reserved for private IP addresses?

A. 168.129.00/24
B. 172.16.128.0/15
C. 192.168.0.0/16
D. 162.17.0.0/12

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 371
A user receives a call from someone reporting to be from the help desk who asks for their password. The user discovers later that the caller did not work for the help desk. Which of the following describes this type of exploit?

A. Phishing scam
B. Social engineering
C. Man-in-the-Middle
D. Shoulder surfing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 372
An administrator needs to terminate network cables that have just been installed in the main communications closet. Which of the following tools is required?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 373
A small business with eight employees has just opened their office in a renovated loft in a busy downtown area. The owner of the building does not want to run any additional wiring beyond power, to preserve the historic nature of the building. Because of this stipulation, almost all tenants in the building have chosen to implement wireless. Which of the following should be the FIRST step in setting up this SOHO network?

A. Run a wireless site survey
B. Speak to tenants to determine their telephone standards.
C. Install and configure a Gigabit switch.
D. Determine the operating system versions.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 374
Two business partners have recently been connected via a dedicated extranet. It has been discovered that each of the companies are using the same private IP address space. Which of the following will help to resolve potential routing issues?

A. Multicast
B. PAT
C. CIDR
D. NAT

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 375
Two autonomous networks who wish to exchange routing data should use which of the following

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protocols?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 376
A computer is able to ping other devices on the same network but is unable to ping devices on another network. Which of the following needs to be configured?

A. DNS primary server
B. Host route
C. Proxy ARP
D. Default gateway

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 377
A technician at a company providing online, real-time media streaming to the Internet needs a network

technology that will reduce bandwidth while delivering high throughput. Which of the following can the technician implement to fit these requirements?

A. Subnetting
B. Unicast
C. Broadcast
D. Multicast

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 378
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Which of the following would be used to lock all of the primary communication equipment of a building, including its demarcation point?

A. MTR
B. MDF
C. Smartjack
D. IDF

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 379
Which of the following restricts network access to a router administrator's interface?

A. IDS
B. SSL
C. ACL
D. SMNPv2

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 380
In which of the following topologies could the failure of one machine cause the entire network to stop functioning?

A. Mesh
B. Token ring
C. Star
D. Spanning tree

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 381
A user reports that their laptop does not have network connectivity, but was working fine last

week. The technician executes IPCONFIG to see what the IP address is but it comes up with a 169.254.254.1 address. This address is not part of the company's subnet. Which of the following MOST likely identifies this address type?

A. Multicast
B. DHCP
C. APIPA
D. Broadcast

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 382
Which of the following address formats uses 32-bit addressing?

A. IPv4
B. MAC address
C. IPv6
D. Host address

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 383
Determining when to retransmit frames is an example of which of the following Ethernet properties?

A. Carrier sense
B. Collision detection
C. Multiple access points
D. Collision avoidance

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 384
The T568B wiring standard slates that CAT5 cables should be coded as follows:

A. White/Orange, Orange, White/Green, Green, Blue, White/Blue, White/Brown, Brown,
B. White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown,
C. White/Orange, Orange, \White/Green, Green, White/Blue, Blue, White/Brown, Brown,
D. White/Orange, Orange, White/Green, Blue,

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 385
Using network monitoring tools would allow an administrator to do which of the following?

A. Configure offline devices
B. Examine performance issues
C. Install additional software and updates
D. View syslog events

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 386
Which of the following WAN protocols is a packet switching technology?

A. Frame Relay
B. POTS
C. PSTN
D. ISDN

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 387
Which of the following layers of the OSI model is the presentation layer?

A. Layer 1
B. Layer 5
C. Layer 6

D. Layer 7

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 388
An administrator has added a new access point to the network to provide additional coverage. A heat-map survey shows coverage now extends beyond company property and is interfering with other wireless networks in the area. How should the administrator modify the new installation to stop the interference?

A. Turn down the transmission strength of the access point.
B. Replace the antenna with a smaller one.
C. Change the wireless password to a more complex one.
D. Change the SSID of the access point

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 389
Which of the following wireless technologies can operate at only 5GHz?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 390
The "1000" in 1000BaseT cabling represents which of the following?

A. The theoretical maximum cable length
B. The theoretical maximum bandwidth
C. The theoretical port limit of the cable
D. The quality level of the copper wiring used

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 391
Which of the following protocols is commonly used by ping?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 392
Which of the following wireless standards has a MAXIMUM throughput, by default, of 11Mbps?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 393
Which of the following WAN protocols is a circuit switching technology?

A. ISDN
B. SONET
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C. Frame Relay
D. ATM

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 394
When verifying a new wireless installation the administrator is unable to see a wireless signal with any wireless laptop. The MOST likely problem is:

A. The SSID is not set to broadcast
B. An incorrect channel is being used
C. Incorrect client security settings are configured

D. Incorrect client configuration on the laptops

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 395
Link aggregation is also known as port:

A. distribution
B. mirroring
C. spanning
D. trunking

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 396
802.11g wireless signals operating at 24GHz has a maximum line of sight range of which of the following?

A. 460 feet (140 meters)
B. 540 feet (165 meters)
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C. 560 feet (171 meters)
D. 840 feet (256 meters)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 397
Which of the following devices allows multiple internal IP addresses to access an external website with minimal impact to the network bandwidth?

A. Proxy
B. Load balancer
C. Router
D. Bandwidth shaper

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 398
Which of the following is a TRUE statement about static routing vs. dynamic routing?

A. Dynamic routing is created adhoc and static routing cannot be changed once implemented.
B. Static routing is hard-coded and requires significant administrative overhead for large networks.
C. Static routing requires little administrative overhead and dynamic routing requires significant administrative overhead.
D. Dynamic routing is the best solution for small networks and static routing is the best solution for large scale networks.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 399
A VPN connection is not working correctly and the technician is unable to ping the VPN server. Which of the following actions should the technician do FIRST?

A. Call their local ISP
B. Verify the IP information of the server
C. Check their local Internet connection
D. Verify the hostname of the server

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 400
A company finished upgrading the wireless encryption to WPA2 Enterprise. The administrator receives a call from a user who is unable to connect to the company wireless. Which of the following is MOST likely causing the connection problem?

A. The laptop is missing the software supplicant
B. The access point SSID is hidden.
C. The laptop only supports TKIP and AES encryption,
D. The access point is on the wrong channel.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 401
Which of the following is used to reduce the number of public IP addresses required?

A. RADIUS

B. SNAT
C. PAT
D. NAT

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 402
Multiple users call from the same location saying that they have no network connectivity. The administrator is unable to ping the main switch at that IDF. Which of the following configuration management documents would the administrator MOST likely consult to troubleshoot the issue?

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A. Baseline configuration
B. Security policy
C. Performance and transaction logs
D. Physical network diagram

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 403
A technician wants to use an existing DHCP server for three additional VLANs. Which of the following features needs to be configured to allow for this addition?

A. DHCP server
B. Proxy server
C. Repeater
D. DHCP relay

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 404
An administrator is troubleshooting wireless connectivity issues at a client's office and discovers that the machine loses connectivity when the wireless phone is being used. Which of the following WAPS should be installed to help resolve the issue?

A. 802.1 1g
B. 802.1X
C. 802.11n
D. 802.11b

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 405
For security reasons a network technician wants to install a Linux based email server, Microsoft web services, and directory services on different servers. Which of the following technologies

would be BEST to reduce hard ware costs?

A. VPN concentrator
B. Virtual servers
C. Wireless
D. Multimode fiber

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 406
A client is having problems connecting remotely after replacing a router. An administrator has just created an action plan. Which of the following is the NEXT step the administrator should perform to resolve this issue?

A. Implement and test the solution.
B. Determine if escalation is necessary.
C. Identify the affected areas of the network.
D. Identify the results and effects of the solution

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 407
Which of the following monitors a server to see which protocols might be in use?

A. Ping sweep
B. Intrusion detection software
C. Port scanner
D. Wireless packet sniffer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 408
Which of the following protocols defaults to port 161?

A. SFTP
B. SNMP
C. SMTP
D. SNTP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 409
Which of the following technologies was designed to provide the FASTEST data rates over analog phone lines?

A. RADSL
B. SONET
C. ADSL
D. MPLS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 410
Which of the following services can an administrator use to reduce latency and prioritize the flow of data?

A. Fault tolerance
B. RADIUS
C. Qos
D. Load balancing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 411
Which of the following wireless standards can be used to avoid the 2.4GHz range? (Select TWO).

A. 802.11g
B. 802.1X
C. 802.11b

D. 802.1 n
E. 802.11a

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 412
A small office in which all workstations are using an ISP provided IP range has noticed a consistent decrease in network traffic speed. The decrease does not occur when the gateway to the ISP is disconnected. Which of the following should the administrator implement?

A. Multicast addressing
B. Load balancing
C. Address translation
D. DHCP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 413
How many bits are in an IPv6 address?

A. 32
B. 64
C. 128
D. 256

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 414
A stateless firewall requires a technician to:

A. Write more packet filters.
B. Write less packet filters.
C. Purchase a license for states.
D. Upgrade definitions manually.

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 415
Which of the following should be used to test an internal NIC without having to connect it to the network?

A. Loopback cable
B. Crossover cable
C. Rollover cable
D. Straight cable

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 416
Which of the following has the HIGHEST data rate speed?

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

Correct Answer: D

Explanation/Reference:
Explanation:

QUESTION 417
Users are reporting that they are still experiencing network issues even though a fix was recently applied.
Which of the following troubleshooting methodology steps is the administrator using?

A. Escalating the problem
B. Testing the solution and identifying the effects
C. Continuing to gather information about the same symptoms
D. Documenting the solution and the entire process

Correct Answer: B

Explanation/Reference:
Explanation:

QUESTION 418
Kerberos is a form of user authentication that:

A. Provides users access to network resources.
B. Performs router commands after user authentication.
C. Provides users with remote access only capabilities.
D. Does not require an authentication server

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 419
After 100 meters (328 feet), CAT6 cabling is known to experience which of the following symptoms?

A. Signal loss
B. Signal bleed
C. Data collision
D. Crosstalk

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 420
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At which of the following does the telephone company's responsibility cease?

A. 66 block
B. Demarc
C. 110 block
D. MDF

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 421
Which of the following tools allows an administrator to determine the MAC address of another computer?

A. ping
B. arp
C. ifconfig
D. ipconfig

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 422
Which of the following is used to create multiple networks from one large network?

A. PAT
B. NAT
C. Multicast
D. Subnetting

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 423
Which of the following wireless standards was the FIRST standard to be ratified and is used to

support legacy wireless devices?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 424
Which of the following commands is used to display other computers running on the network?

A. hostname
B. ipconfig
C. net view
D. nslookup

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 425
Users are reporting problems connecting to servers in the remote company.com domain. The administrator suspects this to be a DNS problem. Which of the following commands would the administrator run to identify the DNS server of the remote company.com?

A. dig company.com ns
B. ipconfig/all
C. ifconfig-a
D. dig company.com mx

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 426
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In an environment with STP disabled, which of the following is the MOST likely cause of the exponential
increase in repeated packets transferred through the network?

A. Incorrect subnet mask
B. Mismatched MTU
C. Switching loop
D. VLAN mismatch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 427
Which of the following is the MOST likely authentication scheme used in 802.1x?

A. CHAP
B. RADIUS
C. TACACS+
D. Kerberos

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 428
Which of the following does not affect security on a wireless access point?

A. Encryption
B. DHCP
C. Password
D. SSID

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 429
A technician needs to ensure that a specific application on a single home user's computer

receives Internet traffic reliably. The home network provides access to three other users and the application
relies on a specific protocol. Which of the following should the technician use?

A. DHCP
B. PAT
C. Proxy
D. IPX

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 430
Which of the following WAN technologies has the GREATEST latency and is not recommended for VoIP?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 431
Which of the following should be changed to secure access to a WAPs configuration management interface?

A. SSID
B. WPA2
C. DHCP
D. Password

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 432
Which of the following denotes the FINAL point of responsibility for a service provider?

A. 66 block
B. Patch panel
C. Wiring closet
D. Demarc

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 433
An administrator is implementing a wireless network. Which of the following encryption technologies is the MOST secure method and will authenticate devices to the network?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 434
Which of the following routing protocols is strictly a distance vector protocol?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 435
Computers on a small network are not able to receive new addresses from the DHCP server.

However, the administrator has checked the server and ensured it is connected, responding, and functional. Which of the following is the MOST likely problem in this scenario?

A. The DHCP server has an incorrect gateway configured.
B. The DHCP server was incorrectly configured with a six hour lease time on addresses.
C. The DHCP server was incorrectly configured with no-expiring lease time on addresses.
D. The DNS server is no longer functional and internal name-address resolution is down.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 436
Physical and logical network diagrams are used for which of the following configuration management goals?

A. Track DHCP distribution
B. Compare MAC and IP addresses
C. Document Internet access history
D. Identity network devices

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 437
Which of the following is the MOST efficient way to troubleshoot network problems?

A. Create an action plan
B. Implement and test a solution
C. Determine if anything has changed
D. Identity a probable cause

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 438
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Which of the following OSI model layers is used for logical addressing?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 439
Which of the following layers is associated with the physical hardware address of a network node?

A. Layer 1
B. Layer 2
C. Layer 6
D. Layer 7

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 440
Which of the following cable types has a MAXIMUM transmission speed of 10Mbps?

A. CAT6
B. CAT5
C. Single-mode fiber
D. CAT3

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 441
An administrator has found interference on a network. Which of the following cable types is the network MOST likely composed of?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 442
When debugging a routing problem, the time-to-live (TTL) value can be used to determine:

A. Number of routes available.
B. Number of router hops.
C. Time that an advertised route is valid.
D. Time to make a round trip.

Correct Answer: D

Explanation/Reference:
Explanation:

QUESTION 443
Web users are reporting issues downloading various types of media. Which of the following should the administrator do FIRST?

A. Find out what has recently changed on the network
B. Create an action plan and solution identifying potential effects.
C. Continue to gather information and see what other problems may exist.
D. Determine the most probable cause.

Correct Answer: C

Explanation/Reference:
Explanation:

QUESTION 444
Which of the following mitigation techniques would an administrator apply to a device in order to restrict remote access?

A. Disable TELNET
B. Disable IGMP snooping
C. Enable TELNET but not SSL
D. Disable ICMP/ping on device

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 445
An administrator wants to limit access of a wireless network without requiring authorized users to enter a password or network key. Which of the following methods would MOST likely be implemented on the wireless network?

A. Disable SSID
B. WPA
C. MAC filtering
D. RAS

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 446
Which of the following improves wireless performance by allowing only one wireless transmission on the network at a time?

A. CSMA/CA
B. CSMA/CD
C. Wireless encryption
D. Wireless bonding

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 447
When ordering aT1 line, the network technician tells the telecommunications company that a particular device is not needed since it is built-in to the router's T1 port. Which of the following

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devices is the technician referring to?

A. CSU/DSU
B. ATM
C. TDR
D. DWDM

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 448
Which of the following is the full range of address block 192.16876.0/23?

A. 192.168.76.0-192.168.77.255
B. 192.168.76.0-192.168.76.255
C. 192.168.76.0-192.168.76.23
D. 192.168.76.0-192.168.78 0

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 449
Which of the following is the MOST secure method to enable remote users to access a company's internal network resources?

A. VPN concentrator

B. Network-based firewall
C. DMZ
D. Stateful firewall

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 450
A network at a small business utilizes a star topology and is experiencing frequent collisions

among data packets. Which of the following devices is MOST likely being used?

A. Unmanaged switch
B. Hardware firewall
C. Hub
D. Managed switch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 451
A technician temporarily needs an additional network connection in their office to test a new workstation. Which of the following is the BEST solution to add a temporary network connection?

A. Install a small network switch
B. Use port mirroring on the switch
C. Split the pairs of the existing jack
D. Install a CSU/DSU

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 452
A technician is troubleshooting a network connectivity issue with a user's desktop configured to use a static IP address. The technician notes the following configuration:

IP 172.16.2.0

NETMASK 255.255.254.0

DEFAULT GATEWAY 172.16.1.1

DNS 192.168.1.1

Which of the following changes will allow the desktop to communicate properly with remote networks?

A. Changing the DNS to 172.16.1.100
B. Changing the WINS server to 172.174.136
C. Changing the netmask to 255.255.255.0
D. Changing the default gateway to 1 72.16.3.1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 453
An administrator needs to know the workstation name of a user who called in for support in order to remotely manage it. After calling the user and having the user open a command prompt, which of the following commands would the administrator ask the user to type?

A. Netstat
B. Ifconfig
C. Hostname
D. Ping

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 454
A user is trying to connect their new desktop to the network but is unable to get an IP address. The technician tests the cable and finds that there are too many open pairs. Which of the following wiring standards needs to be used in the replacement cable?

A. 568B
B. Crossover
C. 569-A
D. 607-A

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 455
When the DHCP server is unavailable for a network, how will PCs attempt to configure their NICs?

A. PCs will attempt to use the last address assigned to them.

B. PCs will pull from a static address pool.

C. PCs will use APIPA.

D. PCs will prompt the user for an address.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 456
Which of the following protocols uses port 119, by default?

A. NNTP

B. NTP

C. TFTP

D. FTP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 457
A company plans to implement a wired network between several computers. The company wants this network to be able to have a transmission rate of 1Gbps. Which of the following cable types should be purchased?

A. Coaxial

B. CAT3

C. CAT5

D. CAT5e

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 458
Session affinity is a feature of which of the following devices?

A. DNS server

B. DHCP server

C. Load balancer

D. IPS

Correct Answer: C
Section: (none)
Explanation

QUESTION 459
Which of the following describes 1Gigabit Ethernet?

A. 10GBaseER
B. 10Base2
C. 1000BaseT
D. 100Base5

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 460
A user in the accounting department reports that their office is able to connect to the network, but they are unable to connect to the Internet. Which of the following documentation would be the MOST useful to the administrator in diagnosing this issue? (Select TWO).

A. Physical network diagram
B. Job log
C. Acceptable use policy
D. Baseline documentation
E. Wiring schematic

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 461
Which of the following remote access methods allows an administrator to take control of a user's machine and block the user from seeing the active session?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 462

Which of the following is primarily used for VoIP?

A. TLS
B. RDF
C. NTP
D. RTP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 463
Which of the following tools would allow an administrator to push out a software update to all switches on the network?

A. Network management
B. Protocol analyzer
C. Network monitoring
D. System diagnostic

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 464
Which of the following wiring distribution components uses a bridge clip to connect both sides of the block?

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A. 110 block
B. Demarc
C. Smart jack
D. 66 block

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 465
Administrators are performing a war drive around their company's complex. Which of the following are they attempting to detect?

A. Worms
B. Rogue access points
C. DDoS attacks
D. Bluesnarfing attacks

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 466
Which of the following is an interior routing protocol that is used to provide routing within autonomous systems?

A. ARP
B. IGP
C. BGP
D. EGP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 467
On a network switch, which of the following is the default native VLAN?

A. 0
B. 1
C. 1024
D. 4096

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 468
When setting up a wireless network to cover a large area, which of the following needs to be considered FIRST?

A. Device placement
B. Encryption methods
C. Wireless channels
D. SSID name

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 469
Which of the following security threats involves making phone calls?

A. Phishing
B. Vishing
C. DDoS
D. Xmas attack

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 470
Which of the following LAN technologies is defined as fast Ethernet?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 471
A network consultant is asked to set up a wireless network in a home. The home user wants the wireless network to be available in every comer of the house. Which of the following additional information will the technician need to determine the equipment for the installation? (Select TWO).

A. The length of the house
B. How many rooms are in the house
C. How many users will be using the wireless network
D. The building material of the house
E. The cost of the house

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 472
A user plugged a cable between two network jacks that attach to the same switch and caused a broadcast storm. Which of the following would have prevented the broadcast storm?

A. Spanning tree
B. VLAN tagging

C. 802.1x
D. Port mirroring

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 473
Which of the following protocols is used to encrypt data between web servers and web browsers?

A. SMTP
B. SIP
C. HTTP
D. SSL

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 474
Which of the following devices separates a LAN segment into two collision domains, without affecting the broadcast domain?

A. Firewall
B. Bridge
C. Repeater
D. Router

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 475
When configured. MPLS can increase routing redundancy by providing which of the following network topology types?

A. Bus
B. Mesh
C. Multipath
D. Ring

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 476
On which of the following cables would a technician find a BNC connector installed?

A. CAT6
B. RG-6
C. Fiber
D. CAT3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 477
Which of the following ping parameters will set the size of the outgoing packet?

A. c
B. i
C. R
D. s

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 478
Which of the following WAN technologies modulates 24 channels into a 1 5Mbps signal?

A. ISDN
B. PSTN
C. OC-24
D. T1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 479
A company wants to secure access to its internal wireless network. The company wants to use the most secure means to access the network. Which of the following is the BEST choice for wireless security in this situation?

A. WEP encryption
B. Channel rotation
C. Disable SSID
D. WPA encryption

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 480
A user on a network cannot access any network resources. The link light on the computer shows that a connection is present. Which of the following is the MOST likely cause of the problem?

A. The wrong cable type has been used.
B. IDS has shut down the computer's switch port.
C. The port on the switch is configured incorrectly
D. Spanning tree protocol was implemented.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 481
At which of the following layers does the TCP protocol operate?

A. Layer 1
B. Layer4
C. Layer 6
D. Layer 7

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 482
A technician is troubleshooting a network connectivity issue. Given the following abbreviated trace route output:

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1 192.168.1.1

2 172.16.40.1

310.4.0.1

4172.16.40.1

Which of the following is MOST likely occurring?

A. Switching loop
B. Broadcast storm
C. IP conflict
D. Routing loop

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 483
Which of the following configuration management documentation types would an administrator use to know how and when to property install new network devices on the LAN?

A. Baseline configuration
B. Logical network diagram
C. Network policy
D. Wiring schematic

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 484
Which of the following applications is MOST likely to require QoS to ensure proper functionality?

A. HTTP
B. VoIP
C. SNMPv3
D. Peer to peer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
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Explanation:

QUESTION 485
An administrator wants to limit the wireless guest network traffic to 100Kbps so that utilization issues do not occur on the company's T1 Internet access network. Which of the following optimizations should the administrator implement?

A. Load balancing
B. Caching engine
C. Traffic shaping

D. Quality of service

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 486
Which of the following commands would be used to display the IP address on a UNIX/Linux computer?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 487
A technician wants to test the DNS server ns.company.com to ensure it is able to resolve the company web address. Which of the following command sequences will test DNS functionality?

A. nslookup
   set type=mx
   www.company.com
B. nslookup
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   Set type=ns
   @ns.company.com www
C. nslookup
   domain ns.company.com
   lookup www
D. nslookup
   server ns.company.com
   www.company.com

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 488
Which of the following components is typically used for voice transmissions and has a 10Mbps maximum transfer speed?

A. 110 block
B. Patch panel
C. Vertical cross connect

D. 66 block

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 489
An administrator wants to be alerted when a network-based attack is underway, but the company policy prohibits blocking or dropping network connections. Which of the following MUST be deployed?

A. IDS
B. IPS
C. Firewall
D. Managed PKI

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 490
A company is about to install a second network connect on with a new ISP. Which of the following routing protocols is the BEST choice?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 491
A customer wants to network several computers within a large warehouse. The warehouse has one computer at the very far end of the warehouse that is 170 meters (557 feet) from the network switch. Which of the following cable types should a technician use for this computer?

A. CAT3
B. CAT5
C. CAT6
D. Fiber

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 492
Office A is located 500 miles (805 kilometers) away from Office B, yet they are on the same private network. Which of the following is MOST likely being used to accomplish this scenario?

A. Trunking
B. LAN
C. VPN
D. Peer to peer

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 493
Which of the following represents the physical address of a network access card?

A. FF01:D2:C4:87::11
B. 00-30-48-83-9B-C8
C. 08-9D-35-22-L2-34-FF-21
D. 2D1A:C3:0:1C3B:2AD:FF:FEBE:9D3A

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 494
New service from the telephone company is delivered over fiber, but the technician does not have a fiber module for the router. Which of the following would remedy this issue?

A. OTDR
B. Media converter
C. CSU/DSU
D. Fiber repeater

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 495
An administrator needs to update a router configuration for a router that does not support SSH. Which of the following can be used to securely update the router configuration?

A. FTP
B. SNMPv2
C. TFTP
D. HTTPS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 496
Which of the following is an invalid IPv4 address?

A. 225.0.0.1
B. 254.254.0.0
C. 256.0.0.4
D. 224.2.1.4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 497
A layer 3 switch can move packets between subnets based on which of the following criteria?

A. 802.1q tag
B. Port
C. Application
D. IP address

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 498
Which of the following features is essential in a firewall if it is to support RTP sessions?

A. Remote console
B. Statefulness
C. Address translation
D. Zones

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 499
1000BaseT has a MAXIMUM run distance of:

A. 25 meters (82 feet)
B. 100 meters (328 feet)
C. 500 meters (1640 feet)
D. 1000 meters (3280 feet)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 500
Which of the following features would BEST be used to optimize real-time voice and video chat? (Select TWO)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 501
An administrator is unable to ping a workstation. Which of the following tools would BEST help to resolve the issue?

A. Cable tester
B. Multimeter
C. Toner probe
D. Protocol analyzer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 502
A new company has been given one public IP address. The company employs 200 users requiring Internet access from the headquarters. Which of the following can be implemented to provide Internet access for all the employees?

A. Multicasting
B. Proxy server
C. NAT
D. Subnetting

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 503
A technician is reporting wireless transmission speeds of 300Mbps. Which of the following wireless standards is being used?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 504
A user took a laptop on vacation and made changes to the configuration in order to use the device at the hotel. The user can reach the Internet, but cannot access any internal network resources.
Which of the following is the MOST likely reason?

A. Incorrect DNS
B. Incorrect subnet mask
C. Duplicate IP address
D. Incorrect SSID
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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 505
Which of the following ports does POP3 services use, by default?

A. 25
B. 110

C. 143
D. 443

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 506
In which of the following layers of the OSI model does the TCP protocol operate?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 507
Which of the following would MOST likely be used to punch down LAN cables before connecting them to the main switch?

A. IDF
B. 66 block
C. MDF
D. 110 block

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
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Explanation:

QUESTION 508
A technician needs to manage a switch by using the management port on the back of the switch. Which of the following cables would the technician use?

A. Straight
B. Console
C. Crossover
D. Loopback

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 509
A network technician wants to use a packet analyzer to troubleshoot a reported problem with a user's workstation with IP address 192.168.1.45. To identify the workstation's packets the technician wants to use the workstation's MAC address. Which of the following protocols would provide the needed information?

A. DHCP
B. ARP
C. DNS
D. PING

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 510
Which of the following network appliances can BEST be described as allowing multiple servers to share requests for a website through the same public IP address?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 511
A workstation is having connectivity issues when being added to the domain. Which of the following commands would allow the administrator to see the DNS and WINS servers that are currently configured for the workstation?

A. Ipconfig
B. Nslookup
C. Netstat
D. Nbtstat

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 512

A SONET network typically uses which of the following transmission media?

A. Single-mode fiber
B. Multimode fiber
C. Copper
D. Wireless

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 513
In order for computers with private IP addresses to access the public Internet, which of the following must the router perform?

A. NAT
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B. BGP
C. DHCP
D. APIPA

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 514
A link light on a switch is an example of which of the following Ethernet properties?

A. Collision detection
B. Multiple access points
C. Carrier sense
D. Collision avoidance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 515
Which of the following is required if ports from VLANs on two separate switches need to broadcast to each other?

A. Port mirroring
B. VPN
C. Trunking

D. Port authentication

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 516
A new department is formed and a new section of the building is being built out for them All 50 new employees will need access to the wireless network. Which of the following should Joe, a technician, complete to allow these new employees access to the wireless network?

A. Frequency settings should be changed
B. Additional WAPs should be installed
C. Channels should be changed
D. VLANs should be added

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 517
Which of the following describes an area where communications equipment is stored?

A. HVAC
B. MDF
C. 110 block
D. Demarc

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 518
Which of the following operates in the 2.4GHz range and has a MAXIMUM distance of 10 meters (33 feet)?

A. x-10
B. Bluetooth
C. 802.11a
D. 802.11b

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 519
Which of the following networks would MOST likely require EGP routing?

A. Networks that use OSPF in addition to static routes
B. Networks with classless Internet domain routing
C. Networks with multiple ISPs
D. Networks that use encryption

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 520
A company needs strong wireless security enabled for minimal cost. Which of the following security measures is the BEST to use?

A. WEP
B. Port filtering
C. WPA
D. Longer SSID broadcast intervals

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 521
A user reports being occasionally disconnected from the server. Which of the following tools could the technician use to determine if it is the client or the server that is dropping the connection?

A. Packet sniffer
B. Multimeter
C. Load balancer
D. Throughput tester

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 522
Which of the following LAN technologies is considered fast Ethernet and uses two pairs of cabling, one pair for sending and the other pair for receiving?

A. 100BaseT4
B. 100BaseTX
C. 100BaseX
D. 100BaseFX

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 523
A technician needs to install additional access points for a new high speed connection being added in the new office space. Which of the following will MOST likely be installed to allow additional CAT5 cable connections?

A. Smart Jack
B. Demarc
C. 110 Block
D. 66 Block

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 524
An administrator is implementing a second server due to the increased usage. Which of the following optimization techniques is the administrator using?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 525
Which of the following would be used to test out the security of a specific network by allowing it to receive security attacks?

A. Honeynet
B. Honeypot
C. Vulnerability scanner
D. Network based IDS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 526
A network technician is installing a new managed 10/100 Mbps switch on the network. The network has an older printer with a 10Mbps network adapter that will be moved to the new switch. Which of the following settings on the switch will need to be configured to support the printer?

A. MAC filtering
B. IP address
C. PoE
D. Port speed

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 527
An administrator is using a protocol analyzer to monitor traffic between two servers. However, the only traffic that appears is broadcast and traffic originating from the administrator's PC. Which of the following devices is the administrator plugged into?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 528
Which of the following is a secure method of remote access via command line?

A. RCP
B. Telnet
C. RSH
D. SSH

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 529
Which of the following DNS records would be queried to locate a company's mail server?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 530
Which of the following uses copper wiring?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 531
Which of the following protocols is used to disable switch ports automatically to prevent switching loops?

A. RIP
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B. 0S: F
C. STP
D. EGP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 532
Which of the following commands provides similar information about the current configuration of active local Ethernet adapters? (Select TWO).

A. traceroute
B. ipconfig
C. ifconfig

D. route

E. hostname

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 533
Which of the following would be used to optimize network performance and increase bandwidth availability?

A. Packet analysis

B. QoS

C. Traffic shaping

D. Fault tolerance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 534
A technician is using a packet sniffer to identify a server. The technician observes the following network traffic:

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HOST-A TCP 80 -> HOST-B TCP 1328 PUSH

HOST-B TCP 1328 -> HOST-A TCP 80 PUSH ACK

HOST-A UDP 69 -> HOSTC UDP 1235

HOST-C ICMP -> HOST-D ICMP

Which of the following is MOST likely to be the server?

A. HOST-A

B. HOST-B

C. HOST-C

D. HOST-D

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 535
When ordering switches for a new building, which of the following is the BEST way for the technician to determine the number of switches to put in each network closet?

A. Review the architectural plans to see how many drops go to each closet.

B. Count the number of rooms near each closet and standardize eight drops per room.
C. Wireless is the new standard and no network switches will be needed in the building,
D. Count the number of phone ports and configure two network ports for each phone port.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 536
The network technician is troubleshooting a network issue by implementing a new security device. After installing and configuring the device, which of the following steps should the technician take NEXT?

A. Verity full system functionality
B. Identify the main problem and question the user
C. Document their findings, actions, and outcomes
D. Escalate the issue to upper management
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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 537
Which of the following would provide a technician with a performance reference point to refer back to after hardware repair?

A. Baseline
B. Network map
C. Wire scheme
D. Asset management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 538
A user is unable to access the company website on a laptop. A network technician verifies that the user can access other Internet pages. According to network troubleshooting methodology, which of the following steps should be taken NEXT?

A. Remotely connect to the user's laptop and review the network configuration settings
B. Ping the web server from inside the network to ensure it is still up and running.
C. Check to make sure the company's website is accessible from the Internet.
D. Ensure the Ethernet cable is securely plugged into the user's laptop

Correct Answer: C

Explanation/Reference:
Explanation:

QUESTION 539
Which of the following uses a ring topology?

A. DSL
B. Ethernet
C. DOCSIS
D. SONET
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Correct Answer: D

Explanation/Reference:
Explanation:

QUESTION 540
After a baseline check was completed it was noted that the network was working far below the level of the last baseline. Which of the following should the technician do NEXT to determine where the network problems are occurring?

A. Upgrade the firmware on all routers and switches
B. Reboot the entire network one device at a time
C. Conduct a network traffic analysis
D. Rerun the baseline to ensure the results were correct

Correct Answer: C

Explanation/Reference:
Explanation:

QUESTION 541
Which of the following wiring standards would MOST likely be used to interconnect two devices without the use of a hub or switch?

A. 568A
B. 568B
C. Crossover
D. Loopback

Correct Answer: C

Explanation/Reference:
Explanation:

QUESTION 542

Which of the following ports would have to be allowed through a firewall to allow SNMP traffic to pass on its default port? (Select TWO).

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

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 543
Which of the following defines access for a network?

A. ACL
B. RDF
C. RAS
D. ARP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 544
The administrator's ISP indicates that they will need an autonomous system number to begin routing external network traffic. Which of the following protocols should the ISP plan to use?

A. is-is
B. RIPv2
C. OSPF
D. BGP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 545
After a brownout, a user can connect to the internal network, but not the Internet. Which of the following is the company's DSL router experiencing that is causing this issue?

A. Switching loop

B. Power failure

C. Broadcast storm

D. Duplicate IP address

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 546
An administrator is experiencing availability issues on a Linux server. The administrator decides to check the server for an IP address conflict on the server. Which of the following commands should the administrator use?

A. traceroute

B. tracert

C. ifconfig

D. ipconfig

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 547
Which of the following protocols is commonly used for VoIP technology?

A. Telnet

B. SMTP

C. SIP

D. SNMP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 548
A router that takes the workstations internal IP address and changes it to another IP address when it sends the data outside of the network is an example of which of the following?

A. NAT

B. IDS

C. NMAP

D. DMZ

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 549
A company has recently received a new ADSL backup Internet connection. Which of the following will MOST likely be used between the modem and the ISP?

A. PPPoE
B. RAS
C. IPSec
D. MSCHAP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 550
Which of the following would MOST likely be used with multimode fiber?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 551
When each routing device has a consistent view of the network topology, the network is said to be:

A. fault tolerant
B. converged
C. autonomous
D. vectored

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 552
A network technician is concerned about the environmental effects of power consumption and heat from network resources Limited space is also a concern. Which of the following technologies should be implemented?

A. Circuit switching
B. Network address translation
C. Power over Ethernet
D. Virtual servers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 553
Which of the following should be used to ensure that all packets are received by every connected device?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 554
Which of the following devices will allow a technician to measure the amount of data that is capable of traversing the network?

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A. Event logs
B. Throughput tester
C. Packet sniffers
D. OTDR

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 555
Which of the following devices should an administrator connect to a protocol analyzer in order to collect all of the traffic on a LAN segment?

A. Hub
B. VLAN
C. Router
D. Server

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 556
The network administrator has just finished installing a new 10/100/1000 switch, but receives reports from the server administrator that servers connected to the new switch seem to be experiencing slow LAN connections. The network administrator checks the port connecting the new switch to the core switch and sees the following information:

#show run interface GigabitEthernet0/10

Switchport trunk encapsulation dot1q

Switchport mode trunk

Switchport trunk native VLAN 10

Which of the following is the MOST likely cause of the slow connections?

A. The servers have not had VLAN tagging enabled on their NICs.
B. Speed and duplex have not been set.
C. VLAN tagging was not set on the trunk.
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D. The servers have been connected with CAT5 cable.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 557
Which of the following protocols can be found at the application layer?

A. Telnet
B. TCP
C. SNMP
D. UDP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 558
Users report that there Internet connection is slow. The network technician has a suspicion that users are streaming video and music. Which of the following would BEST confirm the technician's theory?

A. Traffic analysis
B. SNMP

C. History logs
D. System logs

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 559
A technician is at a client's site to figure out an intermittent network problem. The technician has implemented the solution. Which of the following is the NEXT step in the troubleshooting methodology?

A. Document the solution and the entire process.
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B. Create an action plan and identify potential effects.
C. Determine if escalation is necessary.
D. Determine if anything has changed

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 560
Which of the following wireless technologies can support the GREATEST distance on either 2.4GHz or 5GHz frequencies?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 561
Which of the following should Karen, a technician, update when new computers are purchased?

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

Correct Answer: A
Section: (none)
Explanation

QUESTION 562
Which of the following DNS record types provides the hostname to IP address mapping?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 563
Which of the following holds multiple connections and is usually maintained by the telephone company?

A. Demarc
B. IDF
C. MDF
D. 110 block

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 564
Which of the following processes translates a private IP address for a public IP address?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 565
Which of the following technologies facilitates the conversion of internal private IP addressing to external public IP addressing?

A. DHCP
B. TCP/IP

C. NAT
D. SNMP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 566
An administrator replaced a router with a switch. End users are able to access network shares but are not able to access the Internet. Which of the following is the BEST explanation why the users are unable to access the Internet?

A. Router routes traffic between different networks and a switch does not
B. The new switch is faulty and needs to be replaced and configured correctly
C. The firewall needs to be setup to allow traffic to reach the Internet
D. The switch needs to be setup to forward data traffic to the Internet

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 567
Which of the following is a hybrid network topology used for fault tolerance, in which all computers MUST connect to each other?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 568
Which of the following protocols requests membership to a multicast group?

A. IGMP
B. SNMP
C. SMTP
D. ICMP

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 569

Which of the following cable types is intended to be used on short distances and is immune to any type of interference?

A. Singlemode fiber
B. Multimode fiber
C. Shielded twisted pair
D. Unshielded twisted pair

Correct Answer: B

Explanation/Reference:
Explanation:

QUESTION 570

An administrator attempts to open a web page and sees the following error: 'Error 404: Page not found'. The administrator then uses the ping command and finds that the default gateway cannot be pinged. At which of the following layers does the problem MOST likely reside?

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

Correct Answer: A

Explanation/Reference:
Explanation:

QUESTION 571

Which of the following protocols is Karen, a user, utilizing if no handshake or data reliability are required?

A. TCP
B. FTP
C. TFTP
D. UDP

Correct Answer: D

Explanation/Reference:
Explanation:

QUESTION 572
Sandy, a network administrator, needs to facilitate traffic from several VLANs over a single port. Which of the following configuration changes would facilitate access?

A. Traffic filtering
B. Trunking
C. MAC filtering
D. Port mirroring

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 573
Which of the following colors represents the outer leads on a connector head of a 568B patch cable? (Select TWO).

A. Blue, brown/white
B. Green/white, blue
C. Orange/white, orange
D. Blue, blue/white
E. Brown/white, brown

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 574
Karen and Kurt, attackers, use which of the following network scanners to see the protocols that are being used? (Select TWO).

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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 575
A company has decided to increase wireless infrastructure security by moving from WEP encryption to WPA2. Technicians change each WAP to the new encryption standard and users are given the new passwords. Many users are able to reconnect using the new authentication, but several users report an inability to reconnect. Which of the following is the MOST likely cause of the problem?

A. The users who cannot connect are using older NICs without WPA2 support.
B. The users who cannot connect are in areas without wireless coverage.
C. The users who cannot connect have not been placed in the correct VLAN.
D. The users who cannot connect have not specified the correct signal strength "Pass Any Exam. Any Time." - www.actualtests.com 215 CompTIA JK0-019 Exam

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 576
Which of the following is the MAXIMUM distance a single 1000BaseT segment can cover?

A. 100 kilometers (62 miles)
B. 10 kilometers (6 miles)
C. 1000 meters (3281 feet)
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D. 100 meters (328 feet)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 577
Which of the following authentication solutions also provides AAA and uses TCP?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 578
Which of the following network optimization methods would be BEST to implement to increase bandwidth for an internal streaming video server?

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

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 579
A managed switch offers which of the following benefits over an unmanaged switch? (Select TWO).

A. 802.1q
B. SNMP
C. Gigabit
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D. Layer 2 forwarding
E. Fewer collision domains

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 580
Which of the following can be configured to restrict specific ports and IP addresses from accessing the internal network? (Select TWO).

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

Correct Answer: CF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 581
Which of the following subnet masks would allow for 192.168.0.3 and 192.168.0.240 to be in the same subnet?

A. 255.255.255.0
B. 255.255.255.128
C. 255.255.255.192
D. 255.255.255.248

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: