

COMPTIA N10-004 EXAM BUNDLE

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COMPTIA N10-004 EXAM BUNDLE

Exam Name: Comptia CompTIA Network+ (2009 Edition)

Exam A

QUESTION 1

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

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which of the following ports is default for DNS?

- A. 53
- B. 69
- C. 80
- D. 143

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following components would be used to terminate all distribution and trunk cables in a central office or PBX?

- A. 66 block
- B. MDF
- C. Demarc
- D. IDF

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

A technician has received a call from a customer stating that the customer has logged in, but cannot access the Internet. The technician asks the customer if the gateway and the firewall can be pinged. This is an example of which of the following troubleshooting skills?

- A. Information gathering
- B. Implementing and testing

- C. Escalation
- D. Documenting the solution

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

Which of the following components is used to terminate a T1 connection?



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- A. 66 block
- B. Patch panel
- C. Smart jack
- D. 110 block

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following protocols can be found at the transport layer?

- A. FTP
- B. SMTP
- C. TCP
- D. DNS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

Which of the following is used to relay queries from a private network to the Internet?

- A. Content filter
- B. Load balancer
- C. Proxy server
- D. Stateful firewall

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

A technician has been tasked to reduce the administrative time spent on the network. The network uses several VLANs. Which of the following is a protocol that can be added to the switches to help reduce administrative time?

- A. MTU
- B. WLAN
- C. SIP
- D. VTP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

Which of the following tools could an administrator use to determine a workstations default gateway?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Which of the following routing protocols is based on being open and takes the shortest path FIRST?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

An administrator needs to obtain the MAC address of all systems on a small SOHO network. Which of the following is the BEST way to accomplish this?

- A. Run nslookup for each IP address.
- B. ARP each IP, then look in the ping table.
- C. ARP poison the router, then run a network sniffer.
- D. Ping each IP then look in the ARP table.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Installing specialized devices in between network resources and the Internet to distribute network requests and ensure availability of resources is an example of which of the following network management techniques?

- A. Port mirroring
- B. Load balancing
- C. Port address translation
- D. QoS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

Which of the following wireless technologies uses point-to-multipoint for data transmission?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following naming conventions takes place in the data link layer of the OSI model and is often used in conjunction with IPv6?

- A. MAC-48
- B. EUI-48

- C. EUI-64
- D. IP address

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

A technician is setting up a network for 25 users at a remote location. All of the users share a single Internet connection. The ISP provides a single IP address for the location. Which of the following addressing mechanisms should the technician use to provide access and IP addresses for all 25 users?

- A. NAT
- B. Proxy
- C. Gateway
- D. DNS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

Which of the following is MOST likely to be used for telephone wires connected to the plain old telephone service (POTS)?

- A. 66 block
- B. 110 block
- C. CAT6 patch panels
- D. Smart jacks

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

Which of the following would an administrator do NEXT once an action plan has been created?

- A. Find new symptoms and issues.
- B. Identify more areas that may be affected.
- C. Determine if escalation is necessary.
- D. Implement the plan and test it.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following logical topologies uses distributed authentication?

- A. Client/server
- B. VLAN
- C. VPN
- D. P2P

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

A helpdesk team is unable to agree on a solution to an issue. Each technician presents their own solution to the problem. When a solution is agreed upon, which of the following documentation MOST likely needs to be reviewed and possibly updated?

- A. Baseline
- B. Wiring Schematics
- C. Procedures
- D. Regulations

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following devices should be used to connect a router to a T1 line?

- A. CSU/DSU
- B. Firewall
- C. Proxy server
- D. Switch

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Which of the following is a 32-bit address?

- A. MAC

- B. IPv6
- C. WWN
- D. IPv4

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

Which of the following would a switch port be an example of?

- A. Broadcast domain
- B. Spanning-tree loop
- C. Routing table entry
- D. Collision domain

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which of the following tools is BEST used to find where a CAT5e cable is terminated?

- A. Cable tester
- B. Butt set
- C. Toner probe
- D. OTDR

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Several mobile users from various areas are reporting intermittent connectivity issues. Which of the following is the MOST likely cause?

- A. Encryption strength
- B. SSID mismatch
- C. Interference
- D. Weak signals

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

A company uses wiring standard 568A throughout their network. However, a contractor for the company installs a lab using 568B. While the lab technically works, this may cause problems because:

- A. the 568B standard conflicts with the 568A standard and causes interference in the network.
- B. different crimping tools are needed to adhere to the 568B standard.
- C. when replacing connectors other technicians may use the wrong wiring scheme.
- D. crosstalk between pairs will be greatly increased due to standard incompatibility.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

When testing a network wire, the network testing device reports Warning! Voltage on-line. Which of the following would cause this?

- A. Attenuation on the wire is too low.
- B. The wire is being used on the phone system.
- C. There is crosstalk on the wire.
- D. The wire is being used on a satellite connection.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

A user has accidentally looped two open network jacks together with a spare patch cable. Which of the following is MOST likely to occur?

- A. Domain collision
- B. Signal bleed
- C. Broadcast storm
- D. Signal loss

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

E1/T1 service ordered from the local telecommunications company is typically delivered over which of the following?

- A. Copper
- B. Cellular
- C. Fiber
- D. Wireless

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following would allow an administrator to confirm maximum bandwidth is being utilized?

- A. Throughput tester
- B. Load testing
- C. Packet sniffer
- D. Protocol analyzer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

IGP differs from EGP because IGP is designed for use in which of the following?

- A. Communication between WANs
- B. Communication between networks
- C. Single autonomous network
- D. Single non-autonomous network

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following network cables would test the ports on a switch?

- A. Crossover
- B. Rollover
- C. Loopback
- D. Straight

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following is the BEST protocol to use when a user would like to keep emails synchronized over multiple devices?

- A. IGMP
- B. IMAP4
- C. HTTP
- D. POP3

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

Which of the following is a required option of a DHCP lease?

- A. BootP
- B. DNS address
- C. Default gateway
- D. TFTP server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

A technician spoke to a user regarding a network problem. The technician searched all the logs associated with the problem and pulled the change logs for the network environment. Which of the following should the technician perform NEXT?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

An administrator wants to control and limit access to company computers from remote users. Which of the following services would the administrator MOST likely disable?

- A. TELNET
- B. HTTP

- C. RDP
- D. RCP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

An administrator would like to implement a technology that requires no configuration on the client side and filters out specified port ranges. Which of the following would accomplish this?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

An administrator is replacing a hub on a network. Which of the following devices would be the BEST replacement choice?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Which of the following is a Layer 2 device that would MOST likely be used to connect network segments of different topologies?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which of the following tools is used to determine if a phone line is in working order?

- A. Voltage event recorder
- B. Toner probe
- C. Multimeter
- D. Butt set

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Port scanners are MOST likely used to:

- A. generate up-to-date routing tables.
- B. identify unused ports on a switch.
- C. map a companys network topology.
- D. identify running services on a host.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

When implementing a WAP, which of the following can be disabled to help prevent unauthorized people from locating the network?

- A. DHCP
- B. MAC filtering
- C. DNS

D. SSID

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following would allow an administrator to implement port level security?

- A. PKI
- B. RADIUS
- C. 802.1x
- D. MAC filtering

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Some switches are capable of implementing a specialized technique to segregate network traffic according to specific rules. This technology is known as:

- A. CIDR.
- B. PoE.
- C. VLAN.
- D. trunking.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following offers the GREATEST throughput?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

Multiple crossover and straight cables must be created. Which of the following would the administrator use to create these cables?

- A. Wiring documents
- B. Logical network diagrams
- C. Company policies
- D. Baselines configurations

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

A web server that provides shopping cart capabilities for external end users will likely function with which of the following protocols?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

An administrator is installing a new IDS. Which of the following must be configured on the switch to allow the IDS to capture all company network traffic?

- A. Port mirroring
- B. Virtual Trunk Protocol
- C. Spanning tree
- D. Trunking

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following devices is MOST likely to rely on up-to-date signatures to provide accurate services?

- A. Caching server
- B. Content filter
- C. Router
- D. Switch

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

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 51

Which of the following technologies must be used to ensure remote Internet hosts will respond to packets leaving a company by connecting to another company's honeypot?

- A. DNS
- B. DHCP
- C. WINS
- D. SNAT

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Which of the following can be disabled to help make wireless networks harder to find?

- A. DMZ
- B. SSID



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- C. DHCP
- D. WPA

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

A technician needs to identify the type of fiber being used in a distribution panel. The marking the technician finds on the cable is 62.5/125. Which of the following optical cables has the technician found?

- A. Multi-mode fiber
- B. Plenum
- C. Single-mode fiber
- D. Coaxial

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 54

Which of the following is true of IGP?

- A. IGPs are not used within autonomous systems
- B. OSPF, IS-IS and BGP are IGPs
- C. Includes routing protocols used for choosing routes between autonomous systems
- D. OSPF, RIP, and IS-IS are IGPs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

Which of the following WAN technology types does not use an Ethernet cable as a medium for communication and is used for long distances?

- A. DSL
- B. WiMAX
- C. E3/T3
- D. ATM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

Which of the following is MOST effective in filtering incoming malicious packets at the gateway router?

- A. IP filtering
- B. MAC filtering
- C. 802.1x
- D. VLAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

A technician accidentally plugs both ends of a cable into the same switch. However, this did not cause a network loop. Which of the following explains this situation?

- A. Spanning tree protocol is enabled on the switch.
- B. The switch has IGMP snooping enabled.
- C. PoE has disabled the ports.
- D. The ports are in the same VLAN.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

Which of the following commands will test the connectivity of a remote website?

- A. netstat
- B. ping
- C. nslookup
- D. dig

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

Which of the following represents the BEST method of securing physical access to a network backbone?

- A. Installing biometric security in all server room doorways.
- B. Forcing all remote users connecting to the network externally to use encrypted SSL VPN.
- C. Installing hardened deadbolts in all server room doorways.
- D. Requiring users to authenticate network accounts via complex passwords and smart cards.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

Which of the following cable types transmits data at 1Gbps?

- A. 100Base-Fx
- B. 1000Base-T
- C. 100Base-TX
- D. 10Base-T

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

Which of the following devices should be installed if a client wants to extend their wireless coverage area in their building?

- A. Bridge
- B. Media converter
- C. Hub
- D. Access point

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

An administrator has replaced a faulty 1000BaseT NIC on the server switch with a new 1000BaseFX. Which of the following should the administrator do NEXT?

- A. Reboot the switch to enable the new connection
- B. Update the logical network diagram
- C. Update the switch configuration logs
- D. Update the wiring schematics

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

An administrator suspects an IP address conflict with two systems on the local network. Which of the following tools would be used to verify this conflict?

- A. route

- B. ping
- C. nslookup
- D. arp

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

A technician is troubleshooting a cable problem. The technician 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
- C. Multimeter
- D. Cable crimper

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 65

A technician needs to test if domain name resolution is functioning properly. Which of the following software tools would be used to accomplish this? (Select TWO).

- A. arp
- B. dig
- C. route
- D. nslookup
- E. netstat

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 66

Which of the following cable technologies is BEST suited to provide 1Gbps throughput for a given network?

- A. CAT6
- B. ThickNet
- C. CAT5
- D. CAT3

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

When comparing 802.11a to 802.11g, which of the following is the major difference?

- A. Power
- B. Speeds
- C. Frequency
- D. Encryption type

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

Which of the following features is required for information to be passed between VLANs on switches?

- A. PoE
- B. Port authentication
- C. Spanning tree
- D. Trunking

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 69

A homeowner wants to add DSL and make it available to all rooms of the house. Which of the following should the homeowner install to provide the BEST coverage?

- A. DSL modem
- B. ADSL modem
- C. 4 port wireless DSL modem
- D. Cable modem

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 70

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

- A. Traffic shaping

- B. Proxy server
- C. VPN concentrator
- D. High availability

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 71

Which of the following is MOST likely to affect IP based surveillance systems?

- A. Vishing
- B. Social engineering
- C. Man-in-the-middle
- D. Mantrap

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

A printer needs to be moved from one switch to another. Which of the following tools can be used to find out which printer cable is connected on the switch?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 73

Which of the following are common security threat mitigation techniques?

- A. Allowing unauthorized devices to connect to the network
- B. User training, updating policies and procedures
- C. Letting users update their own virus definitions
- D. Setting up a PAP connection to provide a point-to-point connection

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

A technician is at a clients site to resolve a wireless network connectivity issue. The technician has found out that the issue is only happening in the marketing department. Which of the following is the NEXT step the technician should take?

- A. Create an action plan and identify the potential effect.
- B. Establish the most probable cause.
- C. Identify the affected areas of the network.
- D. Determine if anything has changed.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

Which of the following services typically has the highest amount of latency?

- A. ATM
- B. Frame relay
- C. Cable modem
- D. Satellite

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

After receiving reports of network performance issues, the technician sees a 12ms return time when pingging the remote site. Which of the following should the technician do NEXT?

- A. Refer to network documentation baseline to see if the return time is normal.
- B. Reboot the routers on both sides of the connection.
- C. Determine which machine at the remote site is ping flooding the connection.
- D. Increase the bandwidth to the remote site.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

Which of the following devices needs to be installed FIRST before implementing a WLAN?

- A. Bridge
- B. WAP

- C. Repeater
- D. Modem

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

Which of the following TCP/IP and OSI model layers retransmits a TCP packet if it is not received successfully at its destination?

- A. The transport OSI model layer and the transport TCP/IP model layer.
- B. The transport OSI model layer and the Internet TCP/IP model layer.
- C. The network OSI model layer and the transport TCP/IP model layer.
- D. The network OSI model layer and the Internet TCP/IP model layer.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

Due to space limitations, LAN cables were installed directly over power lines to certain offices. The offices have been reporting network connectivity issues. Which of the following MOST likely represents the cause of the issues?

- A. Open pairs on the cable
- B. EMI
- C. Crosstalk
- D. Duplex mismatch

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

A company is growing rapidly and is looking for ways to reduce time spent on IT infrastructure administration. The administrator has decided one way to meet this need will be to reduce 802.1q management duties. Which of the following technologies would help centralize 802.1q management?

- A. VTP
- B. BGP
- C. CIDR
- D. VLAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

For the BEST performance, wireless signals should use:

- A. redundant channels
- B. non-overlapping channels
- C. different encryption types
- D. overlapping channels

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

Which of the following routing protocols would a technician use if they needed to connect multiple large networks together where routers advertise all routes to each other?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

Which of the following protocols operates locally between a client and a router to negotiate the flow of multicast traffic?

- A. ICMP
- B. PIM
- C. IGMP
- D. DVMRP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

An administrator needs to block a virus infected computer. Which of the following provides the HIGHEST level of network security?

- A. IDS at the network perimeter
- B. Changing the client port to half duplex
- C. MAC ACL on the switch
- D. IP ACL on the router

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

Which of the following LAN technologies has the GREATEST throughput speed?

- A. 10BaseFX
- B. 10BaseF
- C. 10BaseTX
- D. 10BaseT

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 86

Which of the following networking protocols is often used for booting or loading programs on diskless workstations?

- A. SSH
- B. RTP
- C. SNMP
- D. TFTP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

Which of the following can provide clients access to network resources such as a web server as well as providing Internet usage reports?

- A. DHCP server
- B. Proxy server
- C. Host based firewall
- D. Bandwidth shaper

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

A network technician is concerned that an attacker is attempting to penetrate the network, and wants to set a rule on the firewall to prevent the attacker from learning which IP addresses are valid on the network. Which of the following protocols needs to be denied?

- A. TCP
- B. SMTP
- C. ICMP
- D. ARP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

Which of the following has a maximum transfer rate of 54Mbps and operates at the 5GHz frequency?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Exam B

QUESTION 1

Where would a technician MOST likely place the company MX and A records?

- A. Proxy server
- B. Load balancer
- C. DNS server
- D. Firewall

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

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: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following packet addresses represents a single NIC?

- A. Broadcast address
- B. Unicast address
- C. Multicast address
- D. Broadcast domain

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Which of the following cable types has immunity from EMI?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

A network engineer needs to troubleshoot a remote router within the WAN. Which of the following user authentications would be the BEST to implement?

- A. MS-CHAP
- B. Kerberos
- C. TACACS+
- D. PKI

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following encryption methods is the MOST secure?

- A. WEP
- B. WPA
- C. WPA2
- D. WEP-TKIP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:



<http://www.gratisexam.com/>

QUESTION 7

Which of the following would be used to quickly check for availability of the HTTP service on the server?

- A. Reserved ports
- B. Protocol analyzer
- C. Packet sniffers
- D. Port scanners

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Which of the following would be used to identify the hot zone in a server room?

- A. OTDR
- B. Temperature monitor
- C. Cable stripper
- D. Voltage event monitor

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

Which of the following is the BEST tool to use when terminating a network jack?

- A. Snips
- B. Cable stripper
- C. Toner probe
- D. Punch down

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Which of the following mitigation techniques would be used in order to defend against social engineering?

- A. Updating antivirus definitions
- B. Implementing patch management solutions
- C. Enabling audit logs on all workstations
- D. Revising security and network policies

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

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

- A. 20

- B. 21
- C. 22
- D. 23
- E. 25

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

A 66 block is MOST commonly used in which of the following networks?

- A. Voice
- B. Cloud
- C. SONET
- D. Data

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

Which of the following components have home runs from different locations to the telecommunications closet?

- A. Smart jack
- B. Patch panel
- C. Demarc
- D. Demarc extension

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

A user reports that some normally accessible external sites are not responding, but most other sites are responding normally. Which of the following is MOST likely the cause?

- A. VLAN tag mismatch
- B. Port filtering
- C. Smurf attack
- D. Faulty routing rule

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

After a technician has established a plan of action to resolve the problem, which of the following steps should be performed 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 16

Which of the following standards is implemented in 802.11af?

- A. WiMAX
- B. Power over Ethernet
- C. Fast Ethernet
- D. 5GHz Wireless

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

An administrator is creating a patch cable. Which of the following devices should the administrator use to terminate the ends?

- A. Cable tester
- B. Certifier
- C. Cable stripper
- D. Data crimper

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

Which of the following tools would be BEST used 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 19

An administrator suspects the computer they are working on has lost its default gateway and its specific route to the HR department. Which of the following commands should be run to verify the route setting?

- A. route add default gateway 192.168.1.1
- B. route -nr
- C. ipconfig /all
- D. route print

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

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 21

Which of the following connector types would MOST likely be used in combination with a GBIC?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

A home user reports an issue with the wireless network connection on a laptop. It seems to occur only when the phone rings. Which of the following should be changed to resolve the issue?

- A. Change the channel of the WAP.
- B. Change the wireless security that is being used.
- C. Rename the SSID.
- D. Relocate the antenna to another area.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which of the following technologies relies on up-to-date signatures to protect the network and block malicious network-based attacks?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following features of a switch allows WAPs to be installed in locations where no power sources are available?

- A. Aggregation
- B. Port forwarding
- C. PoE
- D. VLAN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

A small office has asked to have their Ethernet NIC enabled PCs networked together by a consultant. The office users want file sharing capability with no access to the Internet. Which of the following items will the consultant 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 26

Which of the following is an encrypted client/server authentication?

- A. IPSec
- B. VNC
- C. IP filtering
- D. MAC filtering

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

Which of the following has similar functionalities as a wireless repeater?

- A. Basic switch
- B. Wireless access point
- C. Basic firewall
- D. DHCP server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

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 29

Which of the following should an administrator use to identify where all the MDFs are located within the network?

- A. Wiring schematics
- B. Security and network policies
- C. Physical network diagram
- D. Baseline configurations

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following attacks is a social engineering attack?

- A. Man-in-the-middle
- B. Rootkits
- C. Vishing
- D. DDoS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following BEST describes how packets are delivered to the destination node?

- A. Routing table
- B. Metrics
- C. Convergence
- D. Neighbor status

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

When testing CAT5e cables that were recently terminated, the testing device reports near end crosstalk. Which of the following is the MOST likely cause of this problem?

- A. The cable jacket is plenum rated.
- B. The cable is shielded.

- C. The technician used RJ-11 connectors on the wire.
- D. The technician did not leave enough twists on the pairs.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

A technician installed a wireless network, and it worked as expected during testing. However during the conference, the network was intermittent at best. Which of the following BEST describes what is occurring?

- A. Interference from the satellite dish is causing a broadcast storm.
- B. PoE requirements are much greater with multiple users.
- C. The AP has reached capacity.
- D. The network switches have overheated due to capacity.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Which of the following devices will forward broadcast traffic by default?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

Which of the following WAN technologies uses a maximum line rate of 2.048Mbps?

- A. T3
- B. E1
- C. ISDN PRI
- D. ISDN BRI

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

Which of the following network protocols is required to allow two computers to communicate within the same network segment?

- A. SSH
- B. POP3
- C. ARP
- D. DNS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Which of the following devices is unable to differentiate the appropriate destination of intended traffic on a network?

- A. Bridge
- B. Unmanaged switch
- C. Hub
- D. Managed switch

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

Which of the following should occur when closing a network project?

- A. Update documentation
- B. Validate the design
- C. Configure the new network devices
- D. Develop a project plan

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Which of the following utilities would a technician use to determine the location of lost packets on a routed network?

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

D. tracert

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

A user has reported a problem with a network device. The network technician has theorized that the device is faulty and has tested to confirm the theory. Which of the following steps in the troubleshooting methodology should the technician do NEXT?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

A technician is setting up a temporary wired network for a conference being hosted at the company headquarters. The purpose of the network is to share files between guests laptops, with no Internet access. Which of the following devices would BEST accomplish this scenario at a low cost?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following devices is a technician MOST likely to be connecting to if they are using a rollover cable?

- A. Hub
- B. Router
- C. UPS
- D. Unmanaged switch

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following is the address length of an IPv6 address?

- A. 32
- B. 64
- C. 128
- D. 256

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following is intended to be used over existing SONET equipment?

- A. 10GBaseER
- B. 1000BaseT
- C. 10GBaseEW
- D. 10GBaseLR

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

A company is adding more users and has leased more office space five floors below their current office. The company should install which of the following in the additional space?

- A. Smart jack
- B. EDF
- C. IDF
- D. MDF

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

An administrator would like to display active TCP connections on a computer. Which of the following commands would BEST accomplish this?

- A. route
- B. nslookup
- C. ifconfig

D. netstat

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Access point placement is determined during which phase of the wireless network project?

- A. Site survey
- B. Hand-off
- C. Installation
- D. Testing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following services does UDP connections provide to application layer protocols?

- A. Manage large data sizes using segmentation
- B. Secure Kerberos password encryption
- C. Transport means without error recovery
- D. Ensure delivery through error recovery

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

A customer has reported that when using a cable to connect an older laptop to a 100Mbps switch that the link light does not illuminate. When testing the same cable with a newer 1Gbps switch, it works fine. Which of the following is the MOST likely cause of the problem?

- A. The port on the old switch has failed.
- B. The cable is pinned as a crossover.
- C. The older switch is not compliant with the new cable specifications.
- D. The laptop has a failed network card.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Which of the following tools will allow an administrator to troubleshoot connectivity problems between two networks?

- A. winipcfg
- B. ipconfig
- C. tracert
- D. ifconfig

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

After upgrading the network switch to a gigabit, one users connection no longer works. Which of the following would an administrator use to verify the network cable will work at a gigabit speed?

- A. Toner probe
- B. Certifier
- C. Snips
- D. Cable stripper

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

Which of the following would be a primary concern to the physical security in a wireless network installation?

- A. MAC filtering
- B. Key logger
- C. Antenna placement
- D. WAP placement

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

An administrator is at a clients site to figure out an intermittent network problem. Which of the following is the FIRST step in the troubleshooting methodology that should be performed?

- A. Implement and test the solution.
- B. Create an action plan and solution identifying potential effects.
- C. Identify the affected areas of the network.
- D. Gather information.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 54

Which of the following uses 802.1q?

- A. VLAN
- B. QoS
- C. Port mirroring
- D. 802.1x

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

Which of the following cable types are acceptable to use in an environment where EMI/RFI are present? (Select TWO).

- A. MMF
- B. UDP
- C. CAT5e
- D. STP
- E. ST

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

A user browsing the Internet sees a page displaying the following information: Company policy prohibits access to the following website.

Which of the following is MOST likely in place at the users company?

- A. Content filter
- B. Application layer firewall
- C. Web load balancer
- D. NIDS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

Which of the following allows the LARGEST distance to be covered in a single segment?

- A. 10GBaseLR
- B. 10GBaseT
- C. 10GBaseSR
- D. 10GBaseER

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

Which of the following protocols operates securely at the transport layer?

- A. TCP
- B. SNMP
- C. TLS
- D. TCP/IP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

A port scanner identifies that port 143 is open on the firewall and port 25 is closed. Which of the following protocols is being used by the company?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

A technician changes a VLAN name from VLAN10 to VLAN20 in a switch. Which of the following should be updated?

- A. Wiring diagram
- B. Physical network diagram
- C. Network baseline

D. Logical network diagram

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

In which of the following wireless standards is MIMO used?

A. 802.11a

B. 802.11b

C. 802.11g

D. 802.11n

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

Clients begin having network problems and ask the technician to expand the pool of available IP addresses. On which of the following servers should this be done?

A. DNS

B. TFTP

C. DHCP

D. PKI

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

The 10GBaseT specification is an example of a:

A. transport layer protocol

B. data link layer protocol

C. physical layer protocol

D. network layer protocol

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

If network devices are all plugged into an Ethernet switch, the physical network topology is a:

- A. star
- B. mesh
- C. ring
- D. point-to-point

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 65

Which of the following mitigation techniques would be BEST used against cross-site scripting?

- A. Content filtering
- B. MAC filtering
- C. Policies and procedures
- D. User training

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 66

A technician has deployed multiple temperature monitoring devices with IP addresses in the 10.137.24.0/25 network. Such devices must receive an ICMP keep-alive packet from the server every five minutes. Which of the following destination IP addresses must the technician configure on the server to send keep-alive packets to all the devices?

- A. 10.137.24.0
- B. 10.137.24.1
- C. 10.137.24.127
- D. 10.137.24.128

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

Which of the following protocols can be found at the transport layer?

- A. HTTP
- B. UDP
- C. FTP
- D. DNS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

Which of the following authentication protocols is typically employed in Cisco networks?

- A. NTLMv2
- B. TACACS+
- C. Kerberos
- D. MS CHAP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 69

Which of the following encryption types is an administrator MOST likely to enable on a public WAP in order to provide better security?

- A. WPA
- B. WPA2
- C. WEP
- D. IPSec

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 70

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 71

While troubleshooting DHCP configurations, a technician notices that the address pool is full of active leases

although the workstations may not even be on the network. Which of the following would be the BEST solution?

- A. Disabled the DHCP server and set static IP addresses
- B. Increase the lease time on the DHCP server
- C. Shorten the lease time on the DHCP server
- D. Subnet the IP address

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

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 73

Which of the following uses eight groups of characters for addressing?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

Which of the following WAN technologies uses labels to make forwarding decisions?

- A. MPLS
- B. Frame-relay
- C. ISDN
- D. ATM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

An administrator would like to monitor the network to evaluate which employees are using an excessive amount of bandwidth on peer to peer sharing services. Which of the following monitoring techniques would BEST be used?

- A. Stateful packet inspection
- B. Load balancing
- C. Packet sniffing
- D. Throughput testing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

A user is getting very weak signals while trying to connect to wireless. Which of the following should the user do to help with signal strength?

- A. Call the wireless provider and ask for a T3 circuit.
- B. Move the wireless router to a better location where line of sight is obtained.
- C. Reinstall the operating system to the PC to ensure the newest patches are installed.
- D. Install a hub to ensure there is a clear path for the cables to run.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

Which of the following is the BEST reason why satellite connectivity for VoIP applications should not be used?

- A. Latency sensitivity
- B. EMI
- C. Low bandwidth
- D. Crosstalk

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

A network technician is installing multiple 802.11g 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 80

Which of the following identifies the WLAN a user is connected to?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

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 83

Which of the following configuration management documents will allow an administrator to troubleshoot a connectivity problem with a CAT5e cable?

- A. Wiring schematic
- B. Logical network diagram
- C. Physical network diagram
- D. Baseline configuration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

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 85

A user has network connectivity per the link lights on the NIC, but cannot access any network resources or the

Internet. Which of the following commands should the technician run FIRST?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 86

Which of the following is the default port for SMTP?

- A. 21
- B. 23
- C. 24
- D. 25

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

Which of the following connector types is used to connect a serial cable?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

Which of the following is BEST used to proactively identify if a web server has crashed?

- A. IPS
- B. Packet sniffer
- C. Port scanner
- D. Caching engine

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 90

A customer shares a building with several other tenants. The customer reports that an unencrypted wireless network has been getting slower while their 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 91

A network administrator is tasked to deploy wireless in a new building. The building will be used by a company that manufactures 5GHz cordless phones. Additionally, the wireless system must support a minimum speed of 54Mbps. Which of the following should be deployed to meet the requirements and avoid interference?

- A. 802.11a
- B. 802.11b
- C. 801.11g
- D. 802.11n

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 92

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:

Exam C

QUESTION 1

Which of the following features can be used to prevent inappropriate websites from being viewed by employees?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

A network technician needs to attach a cable to a 110 block. Which of the following tools would be used to accomplish this?

- A. Toner probe
- B. Crimper
- C. OTDR
- D. Punch down tool

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following can determine the last time an address lease was renewed on a network device?

- A. System log
- B. Packet sniffer
- C. Time domain reflectometer
- D. Stateful packet filter

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

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 5

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

- A. Wireless
- B. Fiber
- C. Coaxial
- D. UTP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

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 7

A network technician needs to require users on the network to log in, log access to network resources, and control access to network resources. Which of the following will provide all of the requirements?

- A. Multifactor authentication
- B. WPA
- C. AAA



<http://www.gratisexam.com/>

D. Asset management

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

A customer in a shared office space wants to secure the companys wireless network. The customer wants to be able to allow clients to come in and still be able to connect to the wireless network without any changes to the network. Which of the following should be implemented to allow for a secure wireless network for the customer while meeting the customers requirements? (Select TWO).

- A. WPA encryption
- B. MAC filtering
- C. Omni-directional antennas
- D. WEP encryption
- E. SSID disable

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

A technician is setting up an IPS security device. Which of the following should be configured on the switch to utilize the IPS?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

IDS is used to detect which of the following traffic types?

- A. Harmful

- B. Stateful
- C. DHCP
- D. DNS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

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 12

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

Which of the following allows access to a network, based on the hardware address of a network card?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following networking protocols is used to standardize correct time on network devices?

- A. NTP
- B. RTP
- C. FTP
- D. TFTP

Explanation:

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A network technician has configured a new firewall to allow TCP port 80 traffic and deny UDP traffic. Users have reported that they are unable to access Internet websites. The technician verifies by attempting to access a popular website. Which of the following will MOST likely correct the error?

- A. HTTP uses UDP
- B. DNS port 23 needs to be allowed
- C. HTTP needs port 443 allowed
- D. UDP port 53 needs to be allowed

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

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 servers 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 18

Which of the following capabilities of a firewall allows an administrator to block traffic based on key words determined by the company?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which of the following technologies is used to connect networks at large distances without the use of physical medium?

- A. Satellite
- B. ISDN
- C. OC3
- D. OC12

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Users have reported issues accessing an Internet website. The network technician wants to verify network layer connectivity. Which of the following tools can provide the verification?

- A. ping
- B. netstat
- C. route
- D. arp

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 21

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 22

Which of the following network performance methods would be used with SIP phones?

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

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 23

Which of the following can be changed to help limit war driving?

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 24

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 servers 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 25

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 26

A technician discovers that a malware infection has damaged part of the Windows TCP/IP stack. Which of the following commands can help repair the damage?

- A. netsh lan
- B. netsh interface
- C. netsh wlan
- D. netsh winsock

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

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:BX:89:55:54
- D. 94:9E:FE:EE:8C:DF

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

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 30

A network technician has configured a new firewall on the network. Users are reporting errors when attempting to access several websites. The technician attempts to access several popular websites with no errors, however, the technician does receive an error when attempting to access a bank 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 31

Which of the following allows for technology to be hosted in the cloud?

- A. NaaS
- B. NAS
- C. NCP
- D. NAC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

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 33

A user is connected to the wireless network but is unable to access any network resources. Which of the following is the MOST likely cause?

- A. Interference
- B. WAP placement
- C. SSID mismatch
- D. Weak signal

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

On busy days at the office, a user notices that the VoIP telephone system sounds choppy and periodically echoes or loses the calls. Which of the following is the MOST likely cause of these issues?

- A. Routing tables
- B. Network latency
- C. Caching issues
- D. Convergence

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION NO: 243

When configuring a WAP for a SOHO, which parameter will BEST limit access to the office area?

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

Answer: A

QUESTION 35

A user cannot see the companys wireless network from a new laptop. Other users who have connected previously and are in the same general vicinity are communicating on the wireless network without any issues. Which of the following has been configured on the wireless network?

- A. SSID disabled
- B. Channel selection
- C. Signal gain
- D. Latency

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

A network administrator wants to be able to block all already known malicious activity. Which of the following would allow the network administrator 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 37

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 the administrator use?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

Which of the following is the LARGEST difference between 802.11b and 802.11n standards?

- A. Frequency
- B. Transmission speed
- C. Antenna angle
- D. Number of wireless channels

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

The network technician needs to configure access to specific protocols on certain layer 2 and 3 devices. Which of the following would need to be configured to accomplish this need?

- A. Port mirroring
- B. ACLs
- C. QoS
- D. VLANs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

A senior technician is inspecting a junior technician created patch cables. There is a visible space between the ends of the copper wiring and the top of the plastic at each end of the cables. Which of the following is the reason these cables cannot be used?

- A. Bad connectors
- B. Open shorts
- C. UTP
- D. EMI

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Which of the following has a rated MAXIMUM speed of 100Mbps?

- A. CAT3
- B. CAT5
- C. CAT5e
- D. CAT6

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

A company needs to run cabling through a ceiling. The cabling must support Gigabit speeds and meet proper fire codes. Which of the following cable types would be required?

- A. Multimode fiber
- B. Coaxial cabling
- C. Plenum cabling
- D. STP patch cables

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

A network technician receives a ticket that all users can no longer access an Intranet web application. The network monitoring tool shows that the server hosting the web application responds to ICMP echo requests and DNS resolves. Which of the following is the FIRST question the network technician should ask the server administrator?

- A. Have any changes been implemented on the server?
- B. Is there a backup server available?
- C. Is the application listening port active?
- D. How many connections are currently established?

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following protocols is used to transmit outgoing email?

- A. RDP
- B. NTP
- C. POP3

D. SMTP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following ports does a web browser use by default?

A. 22

B. 23

C. 67

D. 80

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

A technician needs to be able to direct all incoming HTTP requests containing the company cookie to the DMZ web server and all other incoming HTTP requests to the internal web server. Which of the following can the technician deploy to accomplish this?

A. Content switch

B. Network layer proxy server

C. Multilayer switch

D. Network layer load balancer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

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 48

A pest control contractor attempts to gain access to the datacenter; however, the manager on duty notes that a pest control inspection was not on the schedule. Which of the following attacks is in progress?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following could be used to inspect connection setup, request, and response headers for users connecting to a web server?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Which of the following utilities would 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 51

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 52

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 53

A network administrator wants to separate the network into broadcast domains. Which of the following can be used? (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 54

If a wireless key gets compromised, which of the following would MOST likely prevent the device from getting onto the network?

- A. Device placement
- B. Wireless standard
- C. Encryption type
- D. MAC filtering

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

A technician has noticed that one of the network wires attached to a 110 block is too long and has been draped across the floor causing a tripping hazard. After cutting the cable shorter, which of the following tools would the technician use to reattach the cable to the 110 block?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

169.254.0.100 is an IP address which would MOST likely come from which of the following?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

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 58

Which of the following should be done 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

Explanation/Reference:

Explanation:

QUESTION 59

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 60

Which of the following commands can be used on a server to discover other devices on the network simultaneously?

- A. ping
- B. traceroute
- C. arp
- D. nbtstat

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

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 62

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

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 65

When examining a suspected faulty copper network cable, 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 66

The unit responsible for the successful shaping and transmissions of a digital signal is called:

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

Which of the following LAN technologies is used on cellular networks?

- A. Ethernet
- B. CSMA
- C. Token
- D. POTS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

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 69

Which of the following commands can be used 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 70

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 71

Which of the following network topologies allows only communication to take place from one node at a time by passing a token around the network?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

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 73

A network technician is tasked with installing a router and firewall to get an office working with Internet access. Which of the following features **MUST** be configured to allow sharing of a single public IP address?

- A. QoS
- B. POP3
- C. PAT
- D. SMTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

A network technician is tasked with implementing a wireless network at a corporate office with a broad coverage area for the wireless employees. Wireless network throughput should be maximized. Which of the following would **BEST** meet these requirements?

- A. WAPs with wireless repeater mode support
- B. WAPs with wireless bridge mode support
- C. Wireless Distribution System
- D. WLAN roaming with hotspot support

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

Several users in a SOHO are having problems staying connected to the WAP. The technician notices the WAP supporting the SOHO is located in a broom closet down the hall. Which of the following will **MOST** likely alleviate the problem?

- A. Move the WAP from the closet to a central location.
- B. Ensure all the workstations are on the MAC address filter.
- C. Turn up the signal strength to 120%.
- D. Change the channel on the WAP.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

After plugging a cable into a computer, a user reports there is no network access. Which of the following tools would the technician MOST likely check to verify that the cable was crimped correctly?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

A technician is configuring a wireless network. Which of the following should the technician setup in order to prevent intruders if the encryption key gets compromised?

- A. WAP placement
- B. MAC filtering
- C. WPA2
- D. Disable SSID

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

A customer wants to have wireless network access only in the conference room. The customer 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 WAPs antennas with directional antennas.
- E. Disable the SSID.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

Which of the following cable types is MOST likely used for transmitting cable television signals into a house?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

Which of the following is a routing protocol that has the FASTEST convergence?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

Which of the following would 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 82

A network administrator is setting up an internal IIS server with a static IP address. When a user types the IP address for the IIS server into a web browser, it opens up to the printer configuration page. Which of the following is MOST likely the cause?

- A. Wrong default gateway
- B. Wrong subnet mask
- C. Duplicate IP address
- D. VLAN assignment

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

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

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

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

VoIP is being implemented throughout a company and 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
- C. Port security
- D. QoS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 86

Which of the following BEST describes the operation of a VLAN?

- A. A VLAN gives higher priority to packets of a specific type to ensure consistent throughput.
- B. A VLAN allows for multiple logical subnets to coexist on a single physical switch.
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- C. A VLAN tracks user network traffic throughout the network to detect improper usage.
- D. A VLAN is used to scan all packets entering a network to ensure no viruses are present.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

Which of the following wireless standards has an indoor range MAXIMUM of 60 feet (18 meters)?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

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 89

An administrator wants to verify which protocols are in use on the network. Which of the following tools should be used?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 90

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 91

Which of the following features will a firewall MOST likely use to detect and prevent malicious traffic on the network?

- A. Zone filtering
- B. Signature identification
- C. Port identification
- D. Port scanner

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 92

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 93

A customer needs to assign a publically resolvable FQDN to a local server in their small office. The Internet connection to the office has an IP address that changes daily. Which of the following is the SIMPLEST solution?

- A. A POTS connection
- B. STP cabling
- C. A VPN router
- D. Dynamic DNS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 94

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 95

A company only wants preapproved laptops to be able to connect to a wireless access point. Which of the following should be configured?

- A. SSID disable
- B. ACL rules
- C. WPA encryption
- D. MAC filtering

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 96

Which of the following access methods is BEST to replace telnet if a secure connection is required?

- A. FTP
- B. WEP
- C. SSH
- D. PPP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

A technician is configuring a wireless access point. Which of the following channels should the technician use if the LEAST interference potential is desired?

- A. 1,6,11
- B. 2,5,10
- C. 3,7,10
- D. 7, 8, 9

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 98

An administrator needs to install a new WAP that will allow new devices to be connected and stream media at the HIGHEST available bandwidth. Which of the following would the administrator MOST likely install?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 99

Two duplicate pieces of equipment can be used in conjunction for which of the following purposes? (Select TWO).

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

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:



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