

Question #1 of 50

Question ID: 1191911

Match the IPv4 addresses on the left with the IPv4 address type that describes it. Each address will only match to a single address type, and each address type will only match a single address.

{UCMS id=5720933929058304 type=Activity}

Question #2 of 50

Question ID: 1191890

Match the protocol from the left with the default port it uses on the right. Move the correct items from the left column to the column on the right to match the protocol with the correct default port.

{UCMS id=5769159096926208 type=Activity}

Question #3 of 50

Question ID: 1171597

What is the maximum data transmission speed for Bluetooth technology?

- A) 54 Mbps
 - B) 100 Mbps
 - C) 11 Mbps
 - D) 3 Mbps
-

Question #4 of 50

Question ID: 1175652

Which of the following server roles is responsible for the assignment of IP addresses?

- A) DHCP server
- B) Web server

- C) Proxy server
 - D) DNS server
-

Question #5 of 50

Question ID: 1171590

Your company has a wired 1000BaseT small office network that connects to the Internet via a DSL connection. Users have been issued laptop computers that have wireless network cards. A wireless network must be set up for these users. The wireless network will need access to the internal network and the Internet.

While configuring the wireless access point, you change the administrative username and password and change the SSID from its default setting. Then you disable SSID broadcasts. Finally, you enable MAC filtering and configure the list of MAC addresses that are allowed to connect via the wireless network. Now you need to connect the wireless access point to your local network. To which device should it be connected?

- A) A router
 - B) A hub
 - C) A firewall
 - D) The DSL modem
-

Question #6 of 50

Question ID: 1171577

While performing routine maintenance on your company's firewall, you discover that port 3389 is open. Which service uses this port?

- A) File Transfer Protocol
 - B) Remote Assistance
 - C) Hypertext Transfer Protocol
 - D) Secure Hypertext Transfer Protocol
-

Question #7 of 50

Question ID: 1191891

What would allow you to install a wired network without running additional network cables?

- A) Firewall
 - B) Ethernet over Power
 - C) Router
 - D) Cloud-based network controller
-

Question #8 of 50

Question ID: 1171591

You have deployed several 802.11b wireless networks at your company's location. Recently, users complained that they were having trouble connecting to the wireless networks. After troubleshooting, you determine that each wireless network is using different non-overlapping channels. You suspect that the problem is being caused by interference. Which device can cause interference with the WLANs?

- A) Electrical wiring
 - B) Cell phones
 - C) Cable TV cabling
 - D) Microwave ovens
-

Question #9 of 50

Question ID: 1171575

Jeffrey wants to purchase some software for his department from Dreamsuites.com. After researching company policies, you inform him that he can only make the purchase if it is from a secure site. Which port and protocol qualify as secure?

- A) Port 80 HTTP
 - B) Port 23 Telnet
 - C) Port 110 POP3
 - D) Port 443 HTTPS
-

Question #10 of 50

Question ID: 1191901

Which wireless technology is associated with the Internet of Things (IoT)?

- A) 5G
 - B) 3G
 - C) 4G
 - D) LTE
-

Question #11 of 50

Question ID: 1171602

Which address is a MAC address?

- A) 00120193:06F1A345CA11
 - B) ACA1:1345:1::123.23.0.1
 - C) AD-4F-C1-A9-12-CB
 - D) 122A::ABCA:0:0:2100
 - E) 1234:EF14:45:ADD1:EA23:222:1290:A
 - F) 124.24.0.2
-

Question #12 of 50

Question ID: 1191902

Which radio frequency band does the 802.11b standard use?

- A) 4.3 GHz
 - B) 2.4 GHz
 - C) 1.9 GHz
 - D) 5.0 GHz
-

Question #13 of 50

Question ID: 1171596

What is the operating range for Class 2 Bluetooth devices at the maximum transmission speed?

- A) 100 meters or 328 feet
- B) 200 meters or 656 feet

- C) 10 meters or 33 feet
 - D) 1 meter or 3 feet
-

Question #14 of 50

Question ID: 1191892

What piece of equipment would help transmit an Ethernet signal to the far end of a hotel that is 400 meters (m) long?

- A) Cloud-based network controller
 - B) Repeaters
 - C) Patch panel
 - D) Ethernet patch cable
-

Question #15 of 50

Question ID: 1191898

Your company has decided to implement a wireless network. The wireless network users must be able to connect to resources on your internal network, including file, print, and DHCP services. Which options should you implement? (Choose all that apply.)

- A) Ad hoc mode
 - B) A wireless access point
 - C) Static IP addresses
 - D) APIPA
 - E) Infrastructure mode
-

Question #16 of 50

Question ID: 1191905

You have a single switch, and you need to separate the network traffic for the Marketing and Accounting departments. What would be the easiest way to accomplish this?

- A) Link-local address
- B) NAT
- C) VLAN

Question #17 of 50

Question ID: 1175651

Which of the following is NOT an Internet appliance?

- A) DNS
 - B) IPS
 - C) UTM
 - D) IDS
-

Question #18 of 50

Question ID: 1171615

You administer a TCP/IP network. You want to enable the hosts on your network to be automatically configured with IP configurations such as an IP address, subnet mask, and default gateway address. The IP configurations should be leased to the clients for a limited period. Which protocol should you use to accomplish this task?

- A) SMTP
 - B) HTTP
 - C) BOOTP
 - D) DHCP
 - E) IPP
-

Question #19 of 50

Question ID: 1191908

Which TCP/IP configuration information must a computer on a network have before it can communicate with the Internet? (Choose three.)

- A) Default gateway
- B) Proxy server address
- C) MAC address of router
- D) Public key

- E) FTP server address
 - F) Subnet mask
 - G) TCP/IP address
-

Question #20 of 50

Question ID: 1171579

Which well-known UDP port does DNS use?

- A) 80
 - B) 110
 - C) 53
 - D) 161
-

Question #21 of 50

Question ID: 1171582

Which applications use UDP?

- A) ICMP, ARP, FTP
 - B) NFS, TFTP, SNMP
 - C) NFS, FTP, TFTP
 - D) ARP, NFS, FTP, SMTP
-

Question #22 of 50

Question ID: 1171614

You administer computers on a Microsoft Windows 2003 TCP/IP network. On the network, you want to use a domain name-to-Internet Protocol (IP) address name resolution system that provides a central database on a server to resolve domain names to IP addresses. Which options should you implement on your network?

- A) The Windows Internet Name Service (WINS)
- B) The HOSTS file
- C) The LMHOSTS file

Question #23 of 50

Question ID: 1171604

Which type of address does a hardware vendor assign?

- A) Internet zip code
 - B) Physical device address
 - C) Logical network address
 - D) Physical Internet address
-

Question #24 of 50

Question ID: 1171611

Which of the following is a valid Automatic Private IP Addressing (APIPA) address?

- A) 169.254.2.120
 - B) 172.16.4.36
 - C) 10.1.1.131
 - D) 192.168.16.45
-

Question #25 of 50

Question ID: 1191889

Match the protocol from the left with the default port it uses on the right. Move the correct items from the left column to the column on the right to match the protocol with the correct default port.

{UCMS id=5691317109653504 type=Activity}

Question #26 of 50

Question ID: 1191909

Which improvements does IPv6 provide over the current IP addressing scheme? (Choose two.)

- A) The IP address size increased from 128 bits to 156 bits with simpler auto-configuration of addresses.
 - B) Some header fields have been dropped or made optional.
 - C) The IP address size is increased from 64 bits to 128 bits with simpler auto-configuration of addresses.
 - D) Header fields have been made mandatory to reduce processing requirements.
 - E) A new type of address is used to deliver a packet to a specific address node.
 - F) The IP header options allow more efficient forwarding and less rigid length limits.
-

Question #27 of 50

Question ID: 1191906

What is the network prefix that is used to denote an unsubnetted Class C IP address?

- A) /8
 - B) /24
 - C) /16
 - D) /32
-

Question #28 of 50

Question ID: 1171587

Your company has both a wired and a wireless network. You have been asked to increase the security of the wireless network. Which of the following options should you implement?

- A) MAC filtering
 - B) War driving
 - C) SSID broadcast
 - D) Rogue access points
-

Question #29 of 50

Question ID: 1191895

Wireless users who are using a 5 GHz wireless access point are experiencing issues when conferencing through Skype for Business. You need to improve their connectivity. What wireless settings should you configure?

- A) QoS
 - B) Admin password
 - C) Channels
 - D) Encryption
-

Question #30 of 50

Question ID: 1191888

Which protocol is used by Active Directory?

- A) SFTP
 - B) LDAP
 - C) SSH
 - D) SMB
-

Question #31 of 50

Question ID: 1171576

You administer your company's 100BaseTX Ethernet network. TCP/IP is the networking protocol used on the network. You want the routers on the network to send you notices when they have exceeded specified performance thresholds. Which protocol should you use to enable the routers to send the notices?

- A) Telnet
 - B) SNMP
 - C) ARP
 - D) SMTP
-

Question #32 of 50

Question ID: 1171585

You need to connect two computers for a customer. The customer does not have a network and does not wish to purchase a concentrator, but both computers include functional Ethernet network interface cards with RJ-45

connectors. Which component will allow you to meet your customer's needs?

- A) A crossover cable
 - B) An Accelerated Graphics Port (AGP) card
 - C) A protocol analyzer
 - D) A passive hub
-

Question #33 of 50

Question ID: 1191910

Match the IPv6 addresses on the left with the IPv6 address type to which each belongs. Each address will only match to a single address type, and each address type will only have a single address.

{UCMS id=5689718576513024 type=Activity}

Question #34 of 50

Question ID: 1171609

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

- A) 127.0.0.1
 - B) 192.1.0.1
 - C) fe80::200:f8ff:fe21:67cf
 - D) 00-0C-F1-56-98-AD
-

Question #35 of 50

Question ID: 1171598

You want to set up a wireless network with data throughput of 54 Mbps. Which two wireless specifications will provide a data throughput of 54 Mbps? (Choose two.)

- A) 802.11a
- B) 802.11g
- C) 802.11
- D) 802.11b

Question #36 of 50

Question ID: 1191903

Match the frequency and speed characteristics on the left to the wireless specification on the right. Move the correct items from the left column to the column on the right to match the characteristics with the correct specification.

{UCMS id=5133200940597248 type=Activity}

Question #37 of 50

Question ID: 1171588

A user needs to connect to a wireless network. Which information must be provided to connect?

- A) Wi-Fi Protected Access (WPA)
 - B) Wired Equivalent Privacy (WEP)
 - C) Service set identifier (SSID)
 - D) Access point (AP)
-

Question #38 of 50

Question ID: 1191904

When designing a network, which network configuration concept would you use to easily configure the IP address of printers, projectors, routers, or wireless access points?

- A) Link-local addresses
 - B) NAT
 - C) DHCP reservations
 - D) VLAN domain
-

Question #39 of 50

Question ID: 1191900

Which of these wireless networking protocols would most likely be employed in an anti-theft alarm system in a retail store?

- A) NFC

- B) RFID
 - C) Zigbee
 - D) Z-Wave
-

Question #40 of 50

Question ID: 1171586

You are an IT technician at your company. The company has two small offices in different cities. The company's head office contains a DNS server and a DHCP server. The branch office does not contain a DHCP server. A user travels frequently between the head office and the branch office. You are configuring the IP address on this user's laptop. You must ensure that the user is able to connect to the Internet from both offices. How should you configure the Internet Protocol (TCP/IP) Properties dialog box on the user's laptop while expending the least administrative effort?

- A) Configure the General tab to use the DHCP server at the head office. Configure a static IP address from the branch office network range on the Alternate Configuration tab.
 - B) Configure the General tab and the Alternate Configuration tab to use a static IP address from the branch office network range.
 - C) Configure the General tab and the Alternate Configuration tab to use the DHCP server.
 - D) Configure a static IP address from the head office network range on the General tab. Configure a static IP address from the branch office network range on the Alternate Configuration tab.
-

Question #41 of 50

Question ID: 1171593

You have implemented a hardware firewall on a small office network. You need to ensure that all HTTP packets are automatically sent to the web server. What should you do?

- A) Enable QoS.
 - B) Enable NAT.
 - C) Enable port forwarding.
 - D) Enable port triggering.
-

Question #42 of 50

Question ID: 1171581

You use a computer named Wkst1 on a TCP/IP network, which is installed with an application that uses UDP to send a file from your computer to a computer named Wkst2. Data collisions occur, and several data packets are lost during transmission. What will most likely occur as a result of losing the packets during transmission? (Choose two.)

- A) The application will automatically retransmit the packets.
 - B) The protocol will drop the packets.
 - C) The protocol will automatically retransmit the packets.
 - D) The application will drop the packets.
-

Question #43 of 50

Question ID: 1175650

Which of the following might you find on a network in a legacy system?

- A) TCP/IP
 - B) DNS
 - C) DHCP
 - D) NetBEUI protocol
-

Question #44 of 50

Question ID: 1171606

Which properties are true regarding IPv6? (Choose two.)

- A) It uses 32-bit addresses.
 - B) It has 340 undecillion available addresses.
 - C) It uses 128-bit addresses.
 - D) It has 4 billion available addresses.
-

Question #45 of 50

Question ID: 1171610

Which IP address is used by a Class A private network?

- A) 127.0.0.1
 - B) 10.0.0.0
 - C) 172.16.0.0
 - D) 192.168.0.0
-

Question #46 of 50

Question ID: 1171595

Which operating frequency band is used by Bluetooth technology?

- A) 860 MHz to 930 MHz
 - B) 125 KHz to 134 KHz
 - C) 13.56 MHz
 - D) 2.4 GHz to 2.485 GHz
-

Question #47 of 50

Question ID: 1171589

Your company has a wireless network for its small office network. The wireless network does not broadcast its service set identifier (SSID). You configure a user's Windows Vista computer to connect to the wireless network by manually setting the SSID. You need to ensure that the user's computer does not send probe requests to discover if the wireless network is in range. What should you do?

- A) Ensure the Connect automatically when this network is in range option on the Connections tab of the wireless connection is selected.
 - B) Ensure the Connect even if the network is not broadcasting option on the Connections tab of the wireless connection is selected.
 - C) Ensure the Connect even if the network is not broadcasting option on the Connections tab of the wireless connection is cleared.
 - D) Ensure the Connect automatically when this network is in range option on the Connections tab of the wireless connection is cleared.
-

Question #48 of 50

Question ID: 1191907

Which IP address is used by Class B private networks?

- A) 172.16.0.0
 - B) 192.168.0.0
 - C) 127.0.0.1
 - D) 10.0.0.0
-

Question #49 of 50

Question ID: 1171601

For what purpose have IP addresses in the 192.168.0.0 through 192.168.255.255 range been reserved?

- A) Government organizations other than the military
 - B) Multicasting
 - C) Military installations only
 - D) Private networks
-

Question #50 of 50

Question ID: 1171578

Which statement is TRUE concerning DHCP?

- A) DHCP is used to resolve NetBIOS names to IP addresses.
- B) DHCP is used to resolve host names to IP addresses.
- C) DHCP is used to verify the IP address on a Windows-based computer.
- D) DHCP is used to automate IP address assignment.