

## 98-366 Dumps

### MTA Networking Fundamentals

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**NEW QUESTION 1**

Your home computer is having problems accessing the Internet.

You suspect that your Internet router's DHCP service is not functioning, so you check your computer's IP address.

Which address indicates that your router's DHCP service is NOT functioning?

- A. 169.254.1.15
- B. 172.16.1.15
- C. 192.168.1.15
- D. 10.19.1.15

**Answer: B**

**NEW QUESTION 2**

You work at a coffee shop. Your supervisor asks you to help set up a computer network.

The network needs to have the following items:

- ? A public facing web server
- ? A Wi-Fi network for customers
- ? A private network for the point of sale terminals
- ? An office PC
- ? A file/print server
- ? A network printer

You need to set up a perimeter network to protect the network.

Which two items should you include in the perimeter network? (Choose two.)

- A. Network printer
- B. Web server
- C. File server
- D. Wi-Fi network
- E. Point of sale terminals

**Answer: AB**

**NEW QUESTION 3**

This question requires that you evaluate the underlined text to determine if it is correct.

Each IPv4 address consists of a MAC address and data-link layer address.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. Network ID and a host ID
- B. DNS record and a default route
- C. 64-bit binary number divided into octets
- D. No change is needed

**Answer: A**

**NEW QUESTION 4**

Two companies want to share data by using the Internet. Which type of network provides the solution?

- A. Ethernet
- B. Intranet
- C. Extranet
- D. Perimeter

**Answer: C**

**NEW QUESTION 5**

Which command is used to verify that a server is connected to the network?

- A. IPCONFIG
- B. ROUTE
- C. PING
- D. CHECK

**Answer: C**

**NEW QUESTION 6**

Which of the following determines the media access method that is used in a network?

- A. Number of hosts connected to the network
- B. Number of domain servers on the segment
- C. Maximum speed of the media
- D. Topology and protocols

**Answer: D**

**NEW QUESTION 7**

Which two features of a Windows Server 2008 R2 server should you install to use that server as a software router? (Choose two.)

- A. Network Policy and Access Services
- B. Routing and Remote Access Services
- C. Remote Administration
- D. DirectAccess

**Answer:** AB

**NEW QUESTION 8**

In addition to switching, multilayer switches also:

- A. Provide Layer 3 routing functions.
- B. Interface with CAT3, CATS, CAT5e, and fiber optics.
- C. Support 10 MB, 100 MB, and 1 GB local area network (LAN) ports.
- D. Operate by using only Layer 1 and 2 protocols.

**Answer:** A

**NEW QUESTION 9**

In a physical star topology, the central device is referred to as a:

- A. Bridge
- B. Server
- C. segmenter
- D. Hub

**Answer:** D

**NEW QUESTION 10**

The service that resolves fully qualified domain names (FQDN) to IP addresses is:

- A. Windows Internet Name Service (WINS).
- B. Domain Name Service (DNS).
- C. Internet Service Provider (ISP).
- D. Address Resolution Protocol (ARP).

**Answer:** B

**NEW QUESTION 10**

The default gateway address identifies the:

- A. Device that will connect the computer to the local network.
- B. Device that will connect the computer to a remote network.
- C. Server that will provide name services for the computer.
- D. Server that will authenticate the user of the computer.

**Answer:** B

**NEW QUESTION 12**

Which Microsoft network service can you use to establish a connection to a corporate LAN without any user action?

- A. VPN
- B. Remote Desktop
- C. DirectAccess
- D. Nap

**Answer:** A

**NEW QUESTION 15**

A Layer 2 device that connects multiple computers within a network is a:

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

**Answer:** B

**NEW QUESTION 16**

Which IEEE 802.11 Wi-Fi networking standard requires dual antennas so it can run in all of its supported frequencies?

- A. 802.11a
- B. 802.11b

C. 802.11g  
D. 802.11n

**Answer:** D

**NEW QUESTION 19**

What is the maximum cable length for a single Cat5 UTP cable run?

A. 285 feet/86.87 meters  
B. 328 feet/99.97 meters  
C. 432 feet/131.67 meters  
D. 600 feet/182.88 meters

**Answer:** B

**NEW QUESTION 24**

DRAG DROP

Match the TCP ports to the corresponding service.

To answer, drag the appropriate port number from the column on the left to its service on the right. Each port number may be used once, more than once, or not at all. Each correct match is worth one point.

Ports	Answer Area
80	SMTP Port
53	FTP Port
25	HTTPS Port
21	
443	

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Ports	Answer Area
80	SMTP 25
53	FTP 21
25	HTTPS 443
21	
443	

**NEW QUESTION 28**

DRAG DROP

Match the IPv4 address type to the corresponding definition.

To answer, drag the appropriate definition from the column on the left to the address type on the right. Each definition may be used once, more than once, or not at all. Each correct match is worth one point.

Definitions	Answer Area
assigned to a single network interface located on a specific subnet on the network and used for one-to-one communications	<div>Multicast</div> <div>Definition</div>
assigned to the variable portion of an IPv4 address that is used to identify a network node's interface on a subnet	<div>Broadcast</div> <div>Definition</div>
assigned to one or more network interfaces located on various subnets on the network and used for one-to-many communications	<div>Unicast</div> <div>Definition</div>
assigned to all network interface located on a subnet on the network and used for one-to-everyone-on-a-subnet communications	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Definitions	Answer Area
assigned to a single network interface located on a specific subnet on the network and used for one-to-one communications	<div>Multicast</div> <div>assigned to one or more network interfaces located on various subnets on the network and used for one-to-many communications</div>
assigned to the variable portion of an IPv4 address that is used to identify a network node's interface on a subnet	<div>Broadcast</div> <div>assigned to all network interface located on a subnet on the network and used for one-to-everyone-on-a-subnet communications</div>
assigned to one or more network interfaces located on various subnets on the network and used for one-to-many communications	<div>Unicast</div> <div>assigned to a single network interface located on a specific subnet on the network and used for one-to-one communications</div>
assigned to all network interface located on a subnet on the network and used for one-to-everyone-on-a-subnet communications	

NEW QUESTION 32

To protect a network when it is connected to the Internet, you should use a:

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

Answer: B

NEW QUESTION 33

This question requires that you evaluate the underlined text to determine if it is correct.  
An Address Resolution Protocol (ARP) table is used to associate IP addresses with host names.  
Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct.

- A. MAC addresses
- B. HomeGroup membership
- C. Preferred routers
- D. No change is needed

**Answer:** A

#### NEW QUESTION 34

If a router cannot determine the next hop for a packet, the router will:

- A. Forward the packet to the default route.
- B. Send the packet back to the packet's source.
- C. Broadcast the packet.
- D. Store the packet in the memory buffer.

**Answer:** A

#### NEW QUESTION 37

The default port used for telnet is:

- A. 23
- B. 25
- C. 80
- D. 8080

**Answer:** A

#### NEW QUESTION 42

DRAG DROP

Match the OSI layer to its corresponding description.

To answer, drag the appropriate OSI layer from the column on the left to its description on the right. Each OSI layer may be used once, more than once, or not at all. Each correct match is worth one point.

OSI Layers	Answer Area
Data Link	It provides network services directly to the user's application. TELNET, SMTP, and NTP operate on this layer.
Network	It controls dialogue between source and destination nodes. RPC and NETBIOS operate on this layer.
Session	It relies on upper layers for reliable delivery and sequencing. IPX, X.25, and NLSP operate on this layer.
Application	It ensures that reassembled bits are in the correct order, and it requests retransmission of frames if an error occurs. Switches and WAPs operate on this layer.
	It is responsible for path determination and delivery of packets, but does not guarantee delivery. ICMP, RIP, and ARP operate on this layer.
	It checks for errors by adding CRC to the frame. Bridges and NICs operate on this layer.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

OSI Layers	Answer Area	
Data Link	It provides network services directly to the user's application. TELNET, SMTP, and NTP operate on this layer.	Application
Network	It controls dialogue between source and destination nodes. RPC and NETBIOS operate on this layer.	Session
Session	It relies on upper layers for reliable delivery and sequencing. IPX, X.25, and NLSP operate on this layer.	Network
Application	It ensures that reassembled bits are in the correct order, and it requests retransmission of frames if an error occurs. Switches and WAPs operate on this layer.	Data Link
	It is responsible for path determination and delivery of packets, but does not guarantee delivery. ICMP, RIP, and ARP operate on this layer.	Network
	It checks for errors by adding CRC to the frame. Bridges and NICs operate on this layer.	Data Link

#### NEW QUESTION 45

This question requires that you evaluate the underlined text to determine if it is correct. WEP wireless encryption is the most susceptible to interception and decryption.

Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct

- A. WPA-AES
- B. WPA2
- C. WPA-PSK
- D. No change is needed

**Answer:** D

#### NEW QUESTION 46

DRAG DROP

Match the VPN connection type to the corresponding definition.

To answer, drag the appropriate VPN term from the column on the left to its definition on the right. Each term may be used once, more than once, or not at all. Each correct match is worth one point.

Terms	Answer Area	
Point-to-Point Protocol	allows a remote user to connect to a private network from anywhere on the Internet	Term
SSL VPN	securely connects two portions of a private network or two private networks	Term
Layer 2 Tunneling Protocol	creates an unencrypted connection between two network devices	Term
Site-to-Site VPN		

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Terms		Answer Area
Point-to-Point Protocol		allows a remote user to connect to a private network from anywhere on the Internet
SSL VPN		securely connects two portions of a private network or two private networks
Layer 2 Tunneling Protocol	•••••	creates an unencrypted connection between two network devices
Site-to-Site VPN		

**NEW QUESTION 51**

Which feature of Category 5e STP cable reduces external interference?

- A. Crosstalk
- B. Shielding
- C. Length
- D. Twisting

**Answer:** C

**NEW QUESTION 53**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area	Yes	No
Quality of Service (QoS) allows you to define the priority traffic on the network.	<input type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to control bandwidth.	<input type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to assign protocols dynamically.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

	Yes	No
Quality of Service (QoS) allows you to define the priority traffic on the network.	<input checked="" type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to control bandwidth.	<input checked="" type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to assign protocols dynamically.	<input type="radio"/>	<input checked="" type="radio"/>

### NEW QUESTION 55

Security is a concern on wireless networks due to:

- A. The radio broadcast access method.
- B. Spread spectrum issues.
- C. Frequency modulation issues.
- D. The potential for cross-talk.

**Answer:** A

### NEW QUESTION 57

In which physical network topology is each computer connected to a central point?

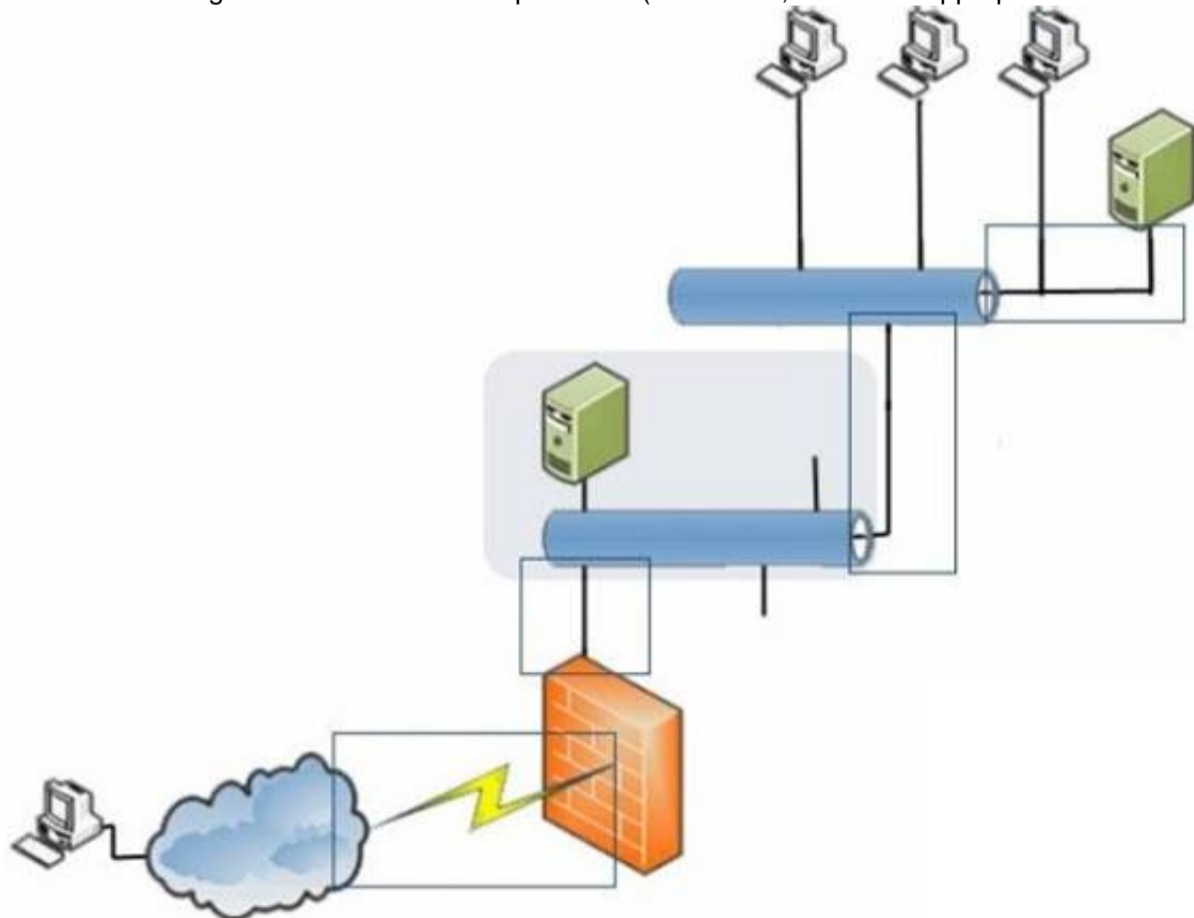
- A. Star
- B. Mesh
- C. Ring
- D. Bus

**Answer:** A

### NEW QUESTION 61

HOTSPOT

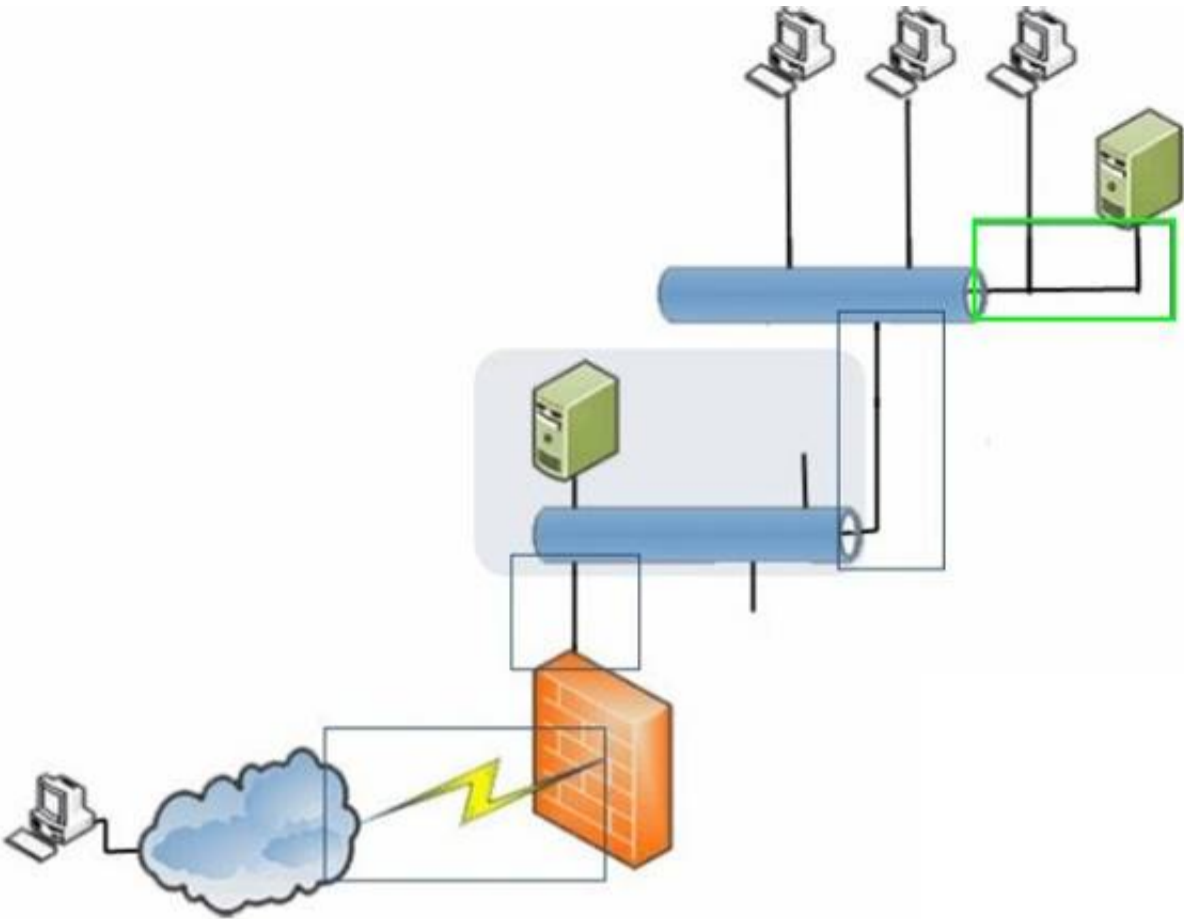
Where in the diagram is a T3 connection possible? (To answer, select the appropriate connection in the diagram in the answer area.)



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 62**

To which IP configuration does the CIDR notation 192.168.1.1/25 refer?

- A. 192.168.1.1 255.255.255.64
- B. 192.168.1.1 255.255.255.1
- C. 192.168.1.1 255.255.255.32
- D. 192.168.1.1 255.255.255.256
- E. 192.168.1.1 255.255.255.128

**Answer:** E

**NEW QUESTION 66**

The default subnet mask for a Class B network is:

- A. 0.0.0.255
- B. 0.0.255.255
- C. 255.0.0.0
- D. 255.255.0.0

**Answer:** D

**NEW QUESTION 70**

DRAG DROP

Match each IP address to its corresponding IPv4 address class.

To answer, drag the appropriate IP address from the column on the left to its IPv4 address class on the right. Each IP address may be used once, more than once, or not at all. Each correct match is worth one point.

IP Addresses	Answer Area
133.234.23.2	Class A IP Address
224.100.20.3	Class B IP Address
201.111.22.3	Class C IP Address
64.123.12.1	Class D IP Address

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

IP Addresses	Answer Area
133.234.23.2	Class A 64.123.12.1
224.100.20.3	Class B 133.234.23.2
201.111.22.3	Class C 201.111.22.3
64.123.12.1	Class D 224.100.20.3

#### NEW QUESTION 72

The command-line tool used to list a host's active incoming connections is:

- A. NETSTAT
- B. IPCONFIG
- C. NSLOOKUP
- D. PING

**Answer:** A

#### NEW QUESTION 76

A user reports that she cannot connect to network resources from a computer on the company network. The user was able to connect to the network resources yesterday.

You verify that the user's computer is properly physically connected to the network. You discover that the computer's IP address is 169.254.48.97.

You need to restore access to network resources. What should you do next?

- A. Flush the cache on the DNS server.
- B. Reset the user's password on the server.
- C. Check your router's current routing tables.
- D. Verify that the DHCP service is available.

**Answer:** D

#### NEW QUESTION 81

VPNs are implemented to provide:

- A. A secure connection within a private network.
- B. A secure connection through public networks.
- C. Additional encryption by using IPSec.
- D. Additional security for selected computers.

**Answer:** B

#### NEW QUESTION 84

Attenuation in a wireless network signal is a result of:

- A. Number of wireless nodes connected.
- B. Distance from the access point.
- C. Interference from cellular phones.
- D. Encryption of the signal.

**Answer:** B

#### NEW QUESTION 87

The host name of the fully qualified domain name (FQDN) mail.exchange.corp.nwtraders.com is:

- A. corp
- B. com
- C. nwtraders
- D. exchange
- E. mail

**Answer:** E

**NEW QUESTION 90**

What are two differences between switches and hubs? (Choose two.)

- A. Switches are slower than hubs because of the extra addressing functions that switches perform.
- B. Switches send data to all of the computers that are connected to them for efficiency.
- C. Switches are capable of sending and receiving data at the same time.
- D. Switches identify the intended destination of the data that they receive.

**Answer:** BC

**NEW QUESTION 91**

A network device that associates a Media Access Control (MAC) address with a port is a:

- A. DSL modem
- B. Hub
- C. Router
- D. Switch

**Answer:** D

**NEW QUESTION 92**

Which network device interconnects computers in a workgroup, is able to be remotely configured, and provides the best throughput?

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

**Answer:** A

**NEW QUESTION 97**

Which of the following services masks internal IP addresses from outside the network?

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

**Answer:** C

**NEW QUESTION 102**

Which setting is used to determine the Domain Name System (DNS) settings on a client computer?

- A. TELNET
- B. NSLOOKUP
- C. PATHPING
- D. NETSTAT

**Answer:** B

**NEW QUESTION 104**

This question requires that you evaluate the underlined text to determine if it is correct.

IPSec policies for two machines on a LAN can be modified by using the IPSec policy snap- in on Windows 7.

Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct.

- A. Windows Firewall with Advanced Security snap-in
- B. LAN adapter properties
- C. Remote Access snap-in
- D. No change is needed

**Answer:** A

**NEW QUESTION 109**

The protocol that maps IP addresses to a Media Access Control (MAC) address is:

- A. Internet Message Access Protocol (IMAP).

- B. Dynamic Host Configuration Protocol (DHCP).
- C. Routing Information Protocol (RIP).
- D. User Datagram Protocol (UDP).
- E. Address Resolution Protocol (ARP).

**Answer:** E

#### NEW QUESTION 110

In local area network (LAN) topologies, the primary media access methods are: (Choose two.)

- A. Contention
- B. Negotiation
- C. Kerberos
- D. Token passing

**Answer:** AD

#### NEW QUESTION 113

Which of the following are features of DHCP? (Choose two.)

- A. IP address resolution to canonical names
- B. Secure shell connections
- C. Address reservation
- D. Network file transfer
- E. IP address exclusion

**Answer:** CE

#### NEW QUESTION 116

When a client's DHCP-issued address expires, the client will:

- A. Select a new address and request approval from the DHCP server.
- B. Require manual configuration with a static IP address.
- C. Attempt to obtain a new address by broadcasting.
- D. Continue to use the address until it is notified to stop.

**Answer:** C

#### NEW QUESTION 121

A computer that has an IP address of 169.254.0.1 cannot access the network. Which of the following services should you confirm is available?

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

**Answer:** C

#### NEW QUESTION 124

What is the bit rate for a North American T3 circuit?

- A. 6.312 Mbit/s
- B. 44.736 Mbit/s
- C. 274.176 Mbit/s
- D. 400.352 Mbit/s

**Answer:** B

#### NEW QUESTION 127

Which subnet mask is valid?

- A. 255.255.255.240
- B. 255.255.255.228
- C. 255.255.255.164
- D. 255.255.255.245

**Answer:** A

#### NEW QUESTION 131

Which two are published IEEE 802.11 wireless transmission standards? (Choose two.)

- A. 802.11f
- B. 802.11g
- C. 802.11k
- D. 802.11m

E. 802.11n

Answer: BE

**NEW QUESTION 135**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

**Answer Area**

	Yes	No
The TCP/IP model has four layers, which correspond with the OSI model's seven layers.	<input type="radio"/>	<input type="radio"/>
The TCP/IP application layer corresponds with the top four layers of the OSI model.	<input type="radio"/>	<input type="radio"/>
The TCP/IP transport and Internet layers correspond with layers 3 and 4 of the OSI model.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

	Yes	No
The TCP/IP model has four layers, which correspond with the OSI model's seven layers.	<input checked="" type="radio"/>	<input type="radio"/>
The TCP/IP application layer corresponds with the top four layers of the OSI model.	<input type="radio"/>	<input checked="" type="radio"/>
The TCP/IP transport and Internet layers correspond with layers 3 and 4 of the OSI model.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 138**

Tracert is used to:

- A. Manage routing tables dynamically.
- B. Manage session-oriented connections between nodes.
- C. Report the route taken by packets across an IP network.
- D. Report the shortest route between different networks.

Answer: C

**NEW QUESTION 140**

Which of these is an application layer protocol?

- A. TCP
- B. FTP
- C. IP
- D. UDP

Answer: B

**NEW QUESTION 141**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

**Answer Area**

	Yes	No
HTTP, TELNET, FTP, and SMTP protocols operate on Layer 7 of the OSI model.	<input type="radio"/>	<input type="radio"/>
Layer 4 of the OSI model controls dialogue between computers.	<input type="radio"/>	<input type="radio"/>
Layer 3 of the OSI model controls routing between network devices.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

	Yes	No
HTTP, TELNET, FTP, and SMTP protocols operate on Layer 7 of the OSI model.	<input checked="" type="radio"/>	<input type="radio"/>
Layer 4 of the OSI model controls dialogue between computers.	<input type="radio"/>	<input checked="" type="radio"/>
Layer 3 of the OSI model controls routing between network devices.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 143**

You are helping a friend set up a public-facing web server for a home office. Your friend wants to protect the internal network from intrusion. What should you do?

- A. Set the web server in a perimeter network.
- B. Set the web server to block access on ports 80 and 443.
- C. Configure the firewall to block access on ports 80 and 443.
- D. Set the IP address of the web server to be within the LAN.

**Answer:** A

**NEW QUESTION 145**

A network that separates an organization's private network from a public network is a/an:

- A. Firewall
- B. Extranet
- C. Perimeter
- D. Internet

**Answer:** C

**NEW QUESTION 146**

What is an example of a Layer 3 device that connects multiple computers and networks?

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

**Answer:** A

**NEW QUESTION 150**

This question requires that you evaluate the underlined text to determine if it is correct. According to the OSI model, encryption takes place on the transport layer. Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct.

- A. Presentation
- B. Network
- C. Application
- D. No change is needed

**Answer:** A

**NEW QUESTION 153**

The ipconfig command will:

- A. Configure routers
- B. Display a client's address
- C. Display a client's broadcast mode
- D. Configure DHCP clients

**Answer:** B

**NEW QUESTION 158**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

**Answer Area**

	Yes	No
IPsec can be used to secure network communications between two machines.	<input type="radio"/>	<input type="radio"/>
IPsec can be used to secure network communication between two networks.	<input type="radio"/>	<input type="radio"/>
IPsec network traffic is always encrypted.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

	Yes	No
IPsec can be used to secure network communications between two machines.	<input checked="" type="radio"/>	<input type="radio"/>
IPsec can be used to secure network communication between two networks.	<input checked="" type="radio"/>	<input type="radio"/>
IPsec network traffic is always encrypted.	<input type="radio"/>	<input checked="" type="radio"/>

**NEW QUESTION 162**

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

## Answer Area

	Yes	No
With a recursive DNS query, the DNS server will contact any other DNS servers it knows about to resolve the request.	<input type="radio"/>	<input type="radio"/>
When an iterative query cannot be resolved from local data, such as local zone files or a cache of previous queries, the query needs to be escalated to a root DNS server.	<input type="radio"/>	<input type="radio"/>
A DNS server makes an iterative query as it tries to find names outside of its local domain when it is not configured with a forwarder.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

	Yes	No
With a recursive DNS query, the DNS server will contact any other DNS servers it knows about to resolve the request.	<input checked="" type="radio"/>	<input type="radio"/>
When an iterative query cannot be resolved from local data, such as local zone files or a cache of previous queries, the query needs to be escalated to a root DNS server.	<input type="radio"/>	<input checked="" type="radio"/>
A DNS server makes an iterative query as it tries to find names outside of its local domain when it is not configured with a forwarder.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 167

This question requires that you evaluate the underlined text to determine if it is correct.

When a client computer is unable to reach a DHCP server, it will automatically assign an IP address in the 10.0.0.0 -10.0.0.255 range.

Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct.

- A. 127.0.0.0-127.0.0.255  
B. 169.254.0.0-169.254.255.255  
C. 192.168.100.0 -192.168.100.255  
D. No change is needed

**Answer:** B

### NEW QUESTION 169

An Action Center alert recommends that you enable Windows Firewall. After enabling the firewall, you can no longer access websites.

Which two TCP ports should you add exceptions for on the firewall? (Choose two.)

- A. Port 21  
B. Port 23  
C. Port 25  
D. Port 80  
E. Port 443

**Answer:** DE

NEW QUESTION 174

Which technology can you use to extend an internal network across shared or public networks?

- A. VLAN
- B. Microsoft ASP-NET
- C. Microsoft .NET Framework
- D. VPN

Answer: D

NEW QUESTION 177

DRAG DROP

Match each set of characteristics to the corresponding 802.11 standard.

To answer, drag the appropriate set of characteristics from the column on the left to its

802.11 standard on the right. Each set may be used once, more than once, or not at all. Each correct match is worth one point.

Sets		Answer Area
Frequency range: 2.4-2.485 Ghz Data rate: 11 Mbps		802.11a Set
Frequency range: 2.4-2.485 Ghz Data rate: 54 Mbps	⋮	802.11b Set
Frequency range: 2.4-2.485 Ghz or 5.1-5.8 Ghz Data rate: 65-600 Mbps		802.11g Set
Frequency range: 5.1-5.8 Ghz Data rate: 54 Mbps		802.11n Set

- A. Mastered
- B. Not Mastered

Answer: A

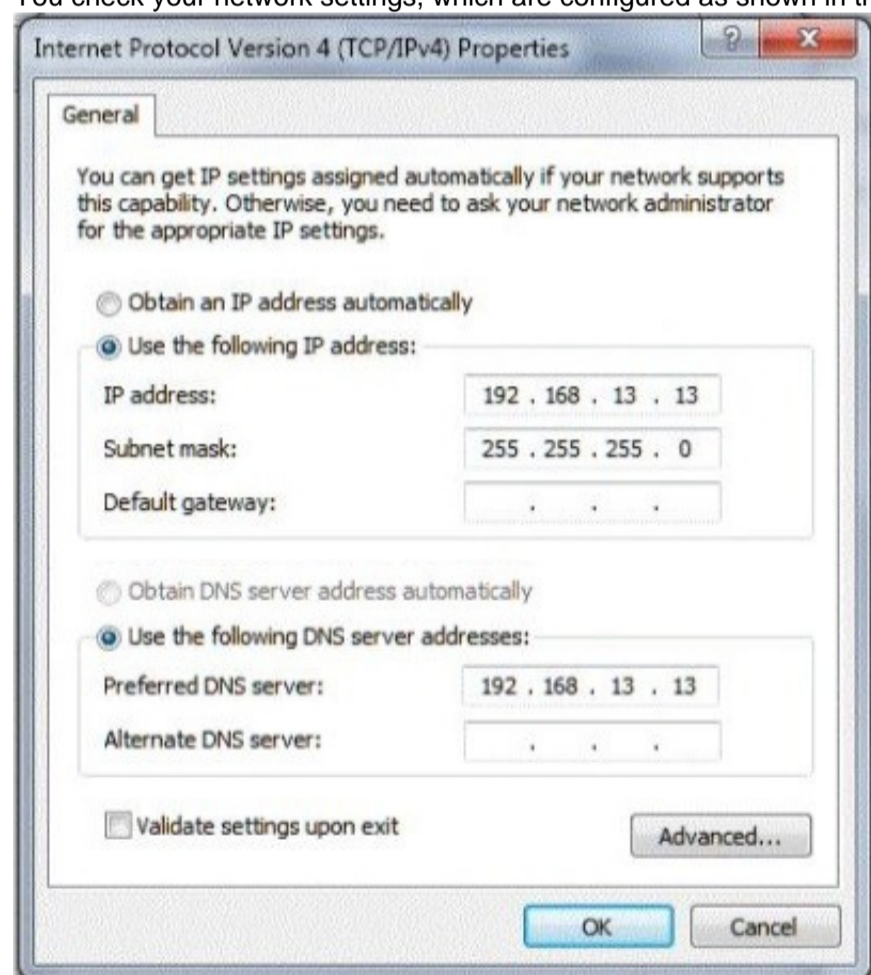
Explanation:

Sets	Answer Area
Frequency range: 2.4-2.485 Ghz Data rate: 11 Mbps	802.11a Frequency range: 5.1-5.8 Ghz Data rate: 54 Mbps
Frequency range: 2.4-2.485 Ghz Data rate: 54 Mbps	802.11b Frequency range: 2.4-2.485 Ghz Data rate: 11 Mbps
Frequency range: 2.4-2.485 Ghz or 5.1-5.8 Ghz Data rate: 65-600 Mbps	802.11g Frequency range: 2.4-2.485 Ghz Data rate: 54 Mbps
Frequency range: 5.1-5.8 Ghz Data rate: 54 Mbps	802.11n Frequency range: 2.4-2.485 Ghz or 5.1-5.8 Ghz Data rate: 65-600 Mbps

#### NEW QUESTION 178

##### HOTSPOT

You cannot get to any site on the Internet or on the school's intranet. Your school uses DHCP. You check your network settings, which are configured as shown in the following image:



You need to change the settings to access websites.

Use the drop-down menus to select the answer choice that completes each statement. Each correct selection is worth one point.

## Answer Area

Changing the IP address settings to **[answer choice]** will allow Internet access.

have a default gateway address of 192.168.1.1  
have a default gateway address of 192.168.13.13  
obtain an IP address automatically

Setting the DNS server settings to **[answer choice]** will allow the user's computer to look up website addresses.

obtain DNS server address automatically  
set Preferred DNS server to Nothing  
set Alternate DNS server to 192.168.13.13

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

Changing the IP address settings to **[answer choice]** will allow Internet access.

have a default gateway address of 192.168.1.1  
have a default gateway address of 192.168.13.13  
obtain an IP address automatically

Setting the DNS server settings to **[answer choice]** will allow the user's computer to look up website addresses.

obtain DNS server address automatically  
set Preferred DNS server to Nothing  
set Alternate DNS server to 192.168.13.13

### NEW QUESTION 179

What is the DNS record type that specifies an alias name of another address record?

- A. MX
- B. CNAME
- C. NS
- D. SOA

**Answer:** C

### NEW QUESTION 183

The type of connector used on a 100BaseT Ethernet cable is:

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

**Answer:** B

### NEW QUESTION 188

Which DNS record type specifies the host that is the authority for a given domain?

- A. NS
- B. MX
- C. CNAME
- D. SOA

**Answer:** B

### NEW QUESTION 193

DRAG DROP

Match each address type to its appropriate range.

To answer, drag the appropriate address type from the column on the left to its range on the right. Each address type may be used once, more than once, or not at all. Each correct match is worth one point.

Address Types		Answer Area
Loopback addresses		127.0.0.0 – 127.255.255.255 Address Type
Multicast addresses	⋮	192.168.0.0 – 192.168.255.255 Address Type
Private network addresses		224.0.0.0 – 239.255.255.255 Address Type

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Address Types		Answer Area
Loopback addresses		127.0.0.0 – 127.255.255.255 Loopback addresses
Multicast addresses	⋮	192.168.0.0 – 192.168.255.255 Private network addresses
Private network addresses		224.0.0.0 – 239.255.255.255 Multicast addresses

#### NEW QUESTION 195

Which of the following is a public IP address?

- A. 10.156.89.1  
B. 68.24.78.221  
C. 172.16.152.48  
D. 192.168.25.101

Answer: B

#### NEW QUESTION 200

This question requires that you evaluate the underlined text to determine if it is correct.

The NTP value in a resource record indicates a length of time that other DNS servers use to determine how long to cache information for a record before expiring

and discarding it.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. TTL
- B. GPS
- C. SOA RR
- D. No change is needed

**Answer:** A

**NEW QUESTION 204**

If an 802.11g Internet connection has connectivity problems, what may be the cause?

- A. A cordless phone
- B. A cellular phone
- C. Incandescent lights
- D. Electromagnetic interference (EMI)

**Answer:** D

**NEW QUESTION 207**

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