

## 98-366 Dumps

### MTA Networking Fundamentals

<https://www.certleader.com/98-366-dumps.html>



**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**

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 4**

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 5**

In which OSI layer does routing occur?

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

**Answer:** B

**NEW QUESTION 6**

You need to run four Ethernet network drops. Each drop is approximately 125 feet/46.33 meters.

An interference exists along the path of each drop.

You need to ensure that interference is reduced. Which cable type should you use?

- A. STP Cat5e
- B. UTPCat5e
- C. Cat3
- D. UTPCat6

**Answer:** A

**NEW QUESTION 7**

**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
Dynamic Routing provides the ability to add networks automatically by learning them from other RIP routers.	<input type="radio"/>	<input type="radio"/>
Dynamic Routing provides the ability to automatically remove routes from the routing table when other RIP neighbors delete them.	<input type="radio"/>	<input type="radio"/>
Dynamic Routing provides the ability to select the best route based on routing metrics.	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Explanation:** **Answer Area**

	Yes	No
Dynamic Routing provides the ability to add networks automatically by learning them from other RIP routers.	<input checked="" type="radio"/>	<input type="radio"/>
Dynamic Routing provides the ability to automatically remove routes from the routing table when other RIP neighbors delete them.	<input checked="" type="radio"/>	<input type="radio"/>
Dynamic Routing provides the ability to select the best route based on routing metrics.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 8**

**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 <input type="text" value="Port"/>
53	FTP <input type="text" value="Port"/>
25	HTTPS <input type="text" value="Port"/>
21	
443	

Answer:

Explanation:

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

#### NEW QUESTION 9

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 10

What happens when an 802.11a node broadcasts within the range of an 802.11g access point?

- A. The access point transmits, but the node is unable to receive.
- B. A connection occurs.
- C. Both the node and the access point are unable to transmit.
- D. The node transmits, but the access point is unable to receive.

Answer: C

#### NEW QUESTION 10

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

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. Static routing
- B. Default route
- C. Least cost routing
- D. No change is needed

Answer: D

#### NEW QUESTION 14

DRAG DROP

Match each protocol to its description.

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

Protocols	Answer Area
TCP	connectionless, message-based protocol with best-effort service
ICMP	connection-oriented protocol with guaranteed service
ARP	resolves IP addresses to MAC addresses
UDP	
IGMP	

Answer:

Explanation:

Protocols	Answer Area
TCP	connectionless, message-based protocol with best-effort service
ICMP	connection-oriented protocol with guaranteed service
ARP	resolves IP addresses to MAC addresses
UDP	
IGMP	

#### NEW QUESTION 16

Which of the following represents a Media Access Control (MAC) address?

- A. GV:ZC:KK:DK:FZ:CA
- B. 255.255.255.0
- C. 05:35:AB:6E:AI:25
- D. 127.0.0.1

Answer: C

#### NEW QUESTION 17

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 22**

What are two characteristics of fiber optic cable? (Choose two.)

- A. Conducts electricity
- B. Requires metal conduit
- C. Supports splicing
- D. Requires a polish for end connectors

**Answer:** AC

**NEW QUESTION 27**

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 29**

Internet Key Exchange (IKE) is responsible for which two functions? (Choose two.)

- A. Establishing network speed parameters
- B. Verifying the client's patch level
- C. Negotiating algorithms to use
- D. Exchanging key information

**Answer:** AB

**NEW QUESTION 32**

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 36**

A university has network links between various locations. Where would a T3 connection be appropriate?

- A. Server to network in the main campus server room
- B. Main campus to a large satellite campus
- C. Computer lab PC to lab printer
- D. Library laptop PC to Internet

**Answer:** A

**NEW QUESTION 37**

The top-level domain of [www.adventureworks.com](http://www.adventureworks.com) is:

- A. www
- B. adventureworks
- C. adventureworks.com
- D. com

**Answer:** D

**NEW QUESTION 39**

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 43

A node within a local area network (LAN) must have which two of the following? (Choose two.)

- A. Username and password
- B. Share name
- C. NIC
- D. IP address
- E. Table of all network nodes

**Answer:** BE

#### NEW QUESTION 48

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 51

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 53

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

A secondary zone is the first DNS zone to which all updates for the records that belong to that zone are written.

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. Primary zone
- B. Stub zone
- C. Conditional forwarding zone
- D. No change is needed.

**Answer:** A

#### NEW QUESTION 55

Which technology provides the highest bit rate?

- A. T1
- B. E1
- C. DS3
- D. ISDN

**Answer:** C

#### NEW QUESTION 59

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

A/an virtual private network (VPN) protects a network's perimeter by monitoring traffic as it enters and leaves.

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. Extranet
- B. Firewall
- C. Intranet
- D. No change is needed

**Answer:** B

#### NEW QUESTION 62

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 64**

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 65**

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 66**

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

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

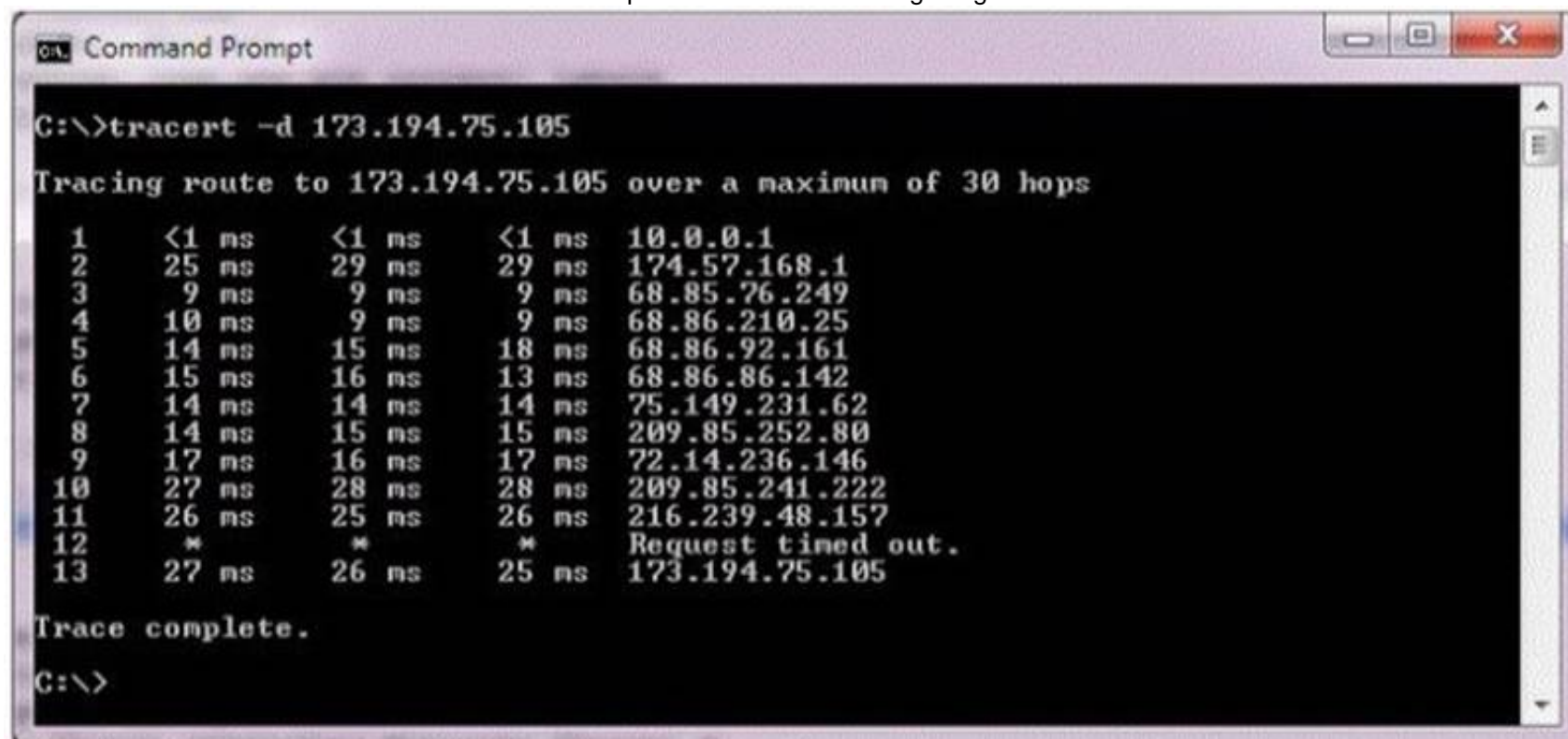
**Answer:** B

**NEW QUESTION 68**

HOTSPOT

You are trying to access a music sharing service on the Internet. The service is located at the IP address 173.194.75.105. You are experiencing problems connecting.

You run a trace route to the server and receive the output shown in the following image:



```
C:\>tracert -d 173.194.75.105

Tracing route to 173.194.75.105 over a maximum of 30 hops

  0  <1 ms    <1 ms    <1 ms    10.0.0.1
  1  25 ms    29 ms    29 ms    174.57.168.1
  2   9 ms     9 ms     9 ms    68.85.76.249
  3  10 ms     9 ms     9 ms    68.86.210.25
  4  14 ms    15 ms    18 ms    68.86.92.161
  5  15 ms    16 ms    13 ms    68.86.86.142
  6  14 ms    14 ms    14 ms    75.149.231.62
  7  14 ms    15 ms    15 ms    209.85.252.80
  8  17 ms    16 ms    17 ms    72.14.236.146
  9  27 ms    28 ms    28 ms    209.85.241.222
 10  26 ms    25 ms    26 ms    216.239.48.157
 11  *        *        *        Request timed out.
 12  27 ms    26 ms    25 ms    173.194.75.105

Trace complete.

C:\>
```

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



## Answer Area

Each hop in the trace route is a **[answer choice]**

▼

router.  
switch.  
firewall.

The trace route completed **[answer choice]**

▼

successfully.  
unsuccessfully.  
with an unknown status.

**Answer:**

**Explanation:** Answer Area

Each hop in the trace route is a **[answer choice]**

▼

router.  
switch.  
firewall.

The trace route completed **[answer choice]**

▼

successfully.  
unsuccessfully.  
with an unknown status.

### NEW QUESTION 72

A Media Access Control (MAC) address identifies a/an:

- A. UPnP device.
- B. Local broadcast domain.
- C. Network interface card (NIC).
- D. Local area network (LAN).

**Answer:** C

### NEW QUESTION 75

Which wireless authentication method provides the highest level of security?

- A. Wired Equivalency Privacy (WEP)
- B. IEEE 802.11n
- C. Wi-Fi Protected Access (WPA)
- D. IEEE 802.11a

**Answer:** C

### NEW QUESTION 80

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
A wireless bridge connects Ethernet-based devices to the network.	<input type="radio"/>	<input type="radio"/>
A wireless bridge increases the wireless signal strength of the access point.	<input type="radio"/>	<input type="radio"/>
Wireless bridges always work in pairs.	<input type="radio"/>	<input type="radio"/>

Answer:

Explanation: **Answer Area**

	Yes	No
A wireless bridge connects Ethernet-based devices to the network.	<input checked="" type="radio"/>	<input type="radio"/>
A wireless bridge increases the wireless signal strength of the access point.	<input type="radio"/>	<input checked="" type="radio"/>
Wireless bridges always work in pairs.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 81

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 86

A VPN is a/an:

- A. Encrypted connection across the Internet.
- B. Virtual network within your local area network (LAN).
- C. Communication tunnel between VLANs.
- D. Personal network for your use only.

Answer: A

### NEW QUESTION 89

To directly connect the Ethernet network interface cards (NICs) of two computers, you should use a:

- A. Crossover cable
- B. Straight cable
- C. Rollover cable
- D. Coaxial cable

Answer: A

### NEW QUESTION 94

One reason to replace an unmanaged switch with a managed switch is to:

- A. Manage the routing tables.
- B. Support multiple VLANs.
- C. Reduce collision domains.
- D. Route between networks,

**Answer:** B

**NEW QUESTION 98**

A node within a local area network (LAN) must have a network interface device and a:

- A. Network account
- B. Table of all network nodes
- C. Host address
- D. Resource to share

**Answer:** C

**NEW QUESTION 101**

What are two advantages of using star topology rather than ring topology in a computer lab workgroup? (Choose two.)

- A. Failure of a central connectivity device does not bring down the entire network.
- B. A central connection point allows for flexibility and scalability.
- C. Data travels on redundant paths, so one cable cannot stop its transmission.
- D. A cable problem within the group affects two nodes, at most.

**Answer:** BD

**NEW QUESTION 102**

Which metric does Routing Information Protocol (RIP) use to determine the least costly route?

- A. Delay
- B. Host ID
- C. Hop count
- D. Interface

**Answer:** A

**NEW QUESTION 104**

DRAG DROP

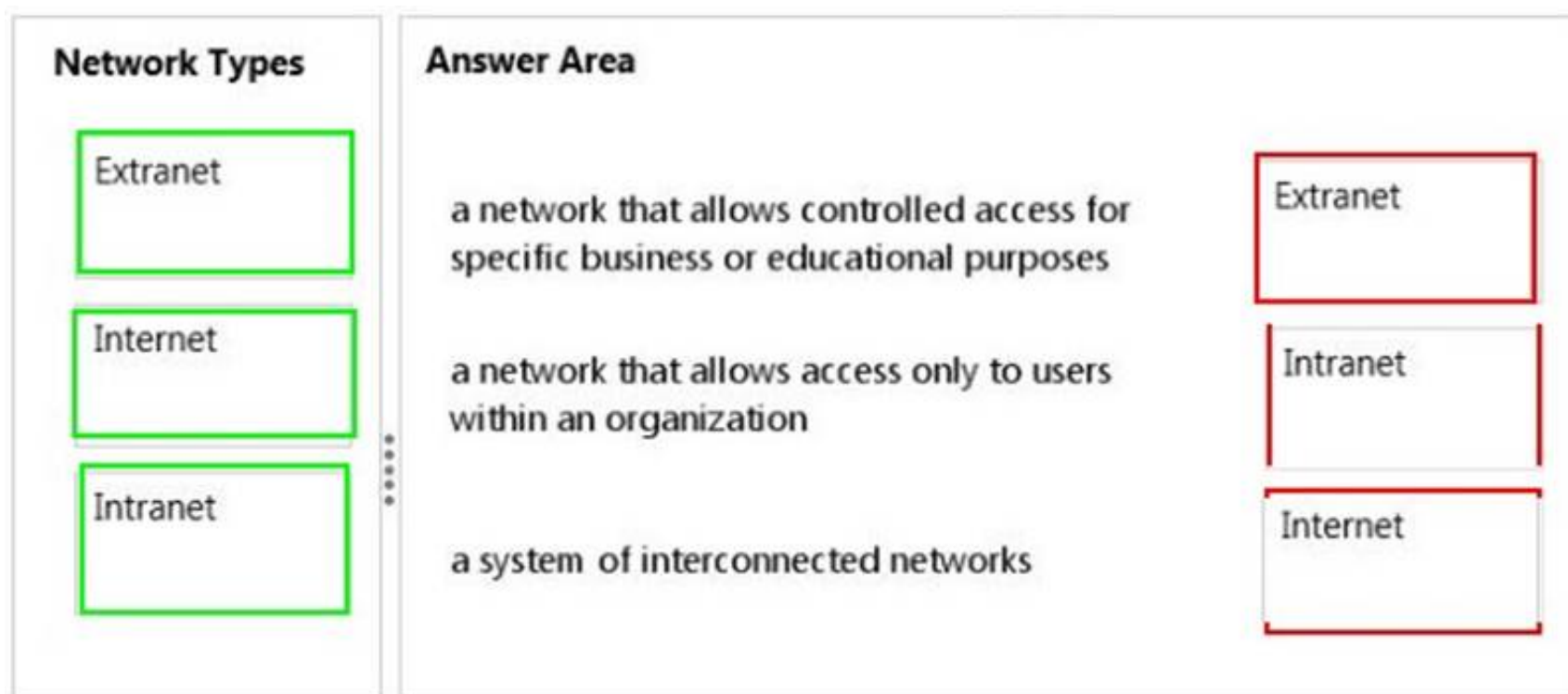
Match each network type to its corresponding definition.

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

Network Types	Answer Area
Extranet	a network that allows controlled access for specific business or educational purposes
Internet	a network that allows access only to users within an organization
Intranet	a system of interconnected networks

**Answer:**

**Explanation:**



**NEW QUESTION 107**

What are three advantages of VLANs? (Choose three.)

- A. They can logically address packets by using IP.
- B. They require a router to connect to VLANs on another switch.
- C. They compartmentalize a network and isolate traffic.
- D. They are efficient because a single switch can implement only a single VLAN.
- E. They act as though they are on the same LAN regardless of physical location.

**Answer:** CDE

**NEW QUESTION 109**

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 111**

Which of these is a public address space?

- A. 192.168.0.0/16
- B. 197.16.0.0/12
- C. 10.0.0.0/8
- D. 172.16.0.0/12

**Answer:** D

**NEW QUESTION 113**

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"/>



Answer:

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 118**

Which of these is an application layer protocol?

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

Answer: B

**NEW QUESTION 123**

You run the ipconfig command. The output is shown in the following image:

```
Windows IP Configuration

Wireless LAN adapter Wireless Network Connection 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wireless Network Connection:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2602:304:aecf:a929:cce2:4be1:be2a:260
    Temporary IPv6 Address. . . . . : 2602:304:aecf:a929:f09e:893:6519:6a2
    Link-local IPv6 Address . . . . . : fe80::cce2:4be1:be2a:260%17
    IPv4 Address. . . . . : 192.168.1.65
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :
```

From these settings, you can tell that the computer:

- A. Will have limited Internet access
- B. Will have full Internet access
- C. Will not be able to access the Internet
- D. Will not be able to access the local network

Answer: A

**NEW QUESTION 125**

A router's static route is set by the:

- A. Adjacent network
- B. Next upstream router
- C. Network administrator
- D. Routing protocol

Answer: C

**NEW QUESTION 129**

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"/>

Answer:

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 132

Teredo tunneling is a protocol that:

- A. Translates Internet Protocol version 4 (IPv4) to Internet Protocol version 6 (IPv6).
- B. Allows IPv6 connectivity through IPv4 devices.
- C. Provides VPN security.
- D. Dynamically allocates IPv6 addresses.

Answer: B

### NEW QUESTION 133

You need to divide a network into three subnets. Which device should you use?

- A. Hub
- B. Bridge
- C. Router
- D. Segmenter

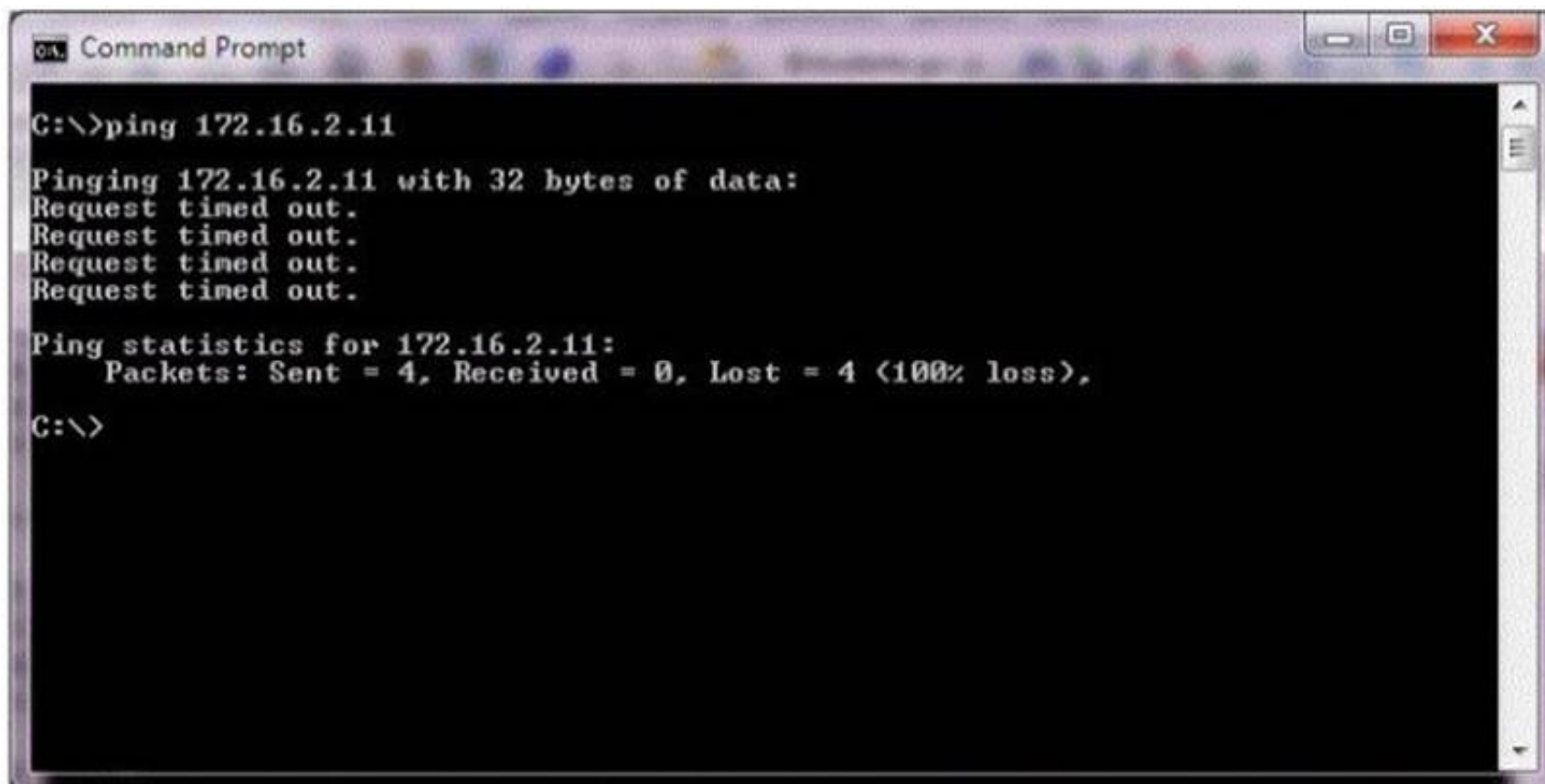
Answer: C

### NEW QUESTION 137

HOTSPOT

You receive a call from a family member who is unable to connect to a game server. You learn that the server's IP is 172.16.2.11. To help, you ping the server and receive the information shown in the following image:





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

Answer Area

The server [answer choice] your ping requests.

The server status is [answer choice]

Answer:

Explanation: Answer Area

The server [answer choice] your ping requests.

The server status is [answer choice]

#### NEW QUESTION 141

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 146

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

Plain old telephone service (POTS), most ISDN lines, and switched T1 lines are all examples of Message Switching.

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. Circuit Switching
- B. Packet Switching
- C. FDDI Switching
- D. No change is needed

Answer: A

**NEW QUESTION 147**

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 148**

What are two characteristics of a mesh network topology? (Choose two.)

- A. It is fault tolerant because of redundant connections.
- B. Every node connects to every other node on the network.
- C. It works best for networks with a large number of nodes.
- D. It requires less cabling than either a star or ring topology.

**Answer:** AC

**NEW QUESTION 149**

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 tracert command displays router addresses that are traversed between a source and a destination.

☐☐

The tracert command determines packet loss between a source and a destination.

☐☐

The tracert command can display a list of routers being used for all active connections.

☐☐

**Answer:**

**Explanation:**

## Answer Area

	Yes	No
The tracert comm and displays router addresses that are traversed between a source and a destination.	<input checked="" type="radio"/>	<input type="radio"/>
The tracert comm and determines packet loss between a source and a destination.	<input type="radio"/>	<input checked="" type="radio"/>
The tracert comm and can display a list of routers being used for all active connections.	<input type="radio"/>	<input checked="" type="radio"/>

### NEW QUESTION 151

You are home for vacation, and a family member wants your help to purchase and install network cable for a home office. The cable needs to support at least 300 Mbps. What is the least expensive option that meets this requirement?

- A. Cat3
- B. CAT5
- C. Cat5e
- D. Cat6

**Answer:** C

### NEW QUESTION 152

One purpose of a perimeter network is to:

- A. Make resources available to the intranet.
- B. Link campus area networks (CANs).
- C. Link local area networks (LANs).
- D. Make resources available to the Internet.

**Answer:** D

### NEW QUESTION 156

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"/>

Answer:

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 157

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

The process of replicating a zone file to multiple DNS servers is called zone replication, 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. Zone transfer
- B. Zone synchronization
- C. Start of authority
- D. No change is needed

Answer: A

#### NEW QUESTION 161

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

The four IEEE standards, 802.11a, b, g, and n, are collectively known as mobile ad hoc networks.

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. WiMAX
- B. Bluetooth
- C. WiFi
- D. No change is needed

Answer: C

#### NEW QUESTION 166

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 168

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
You use a perimeter network to grant internal clients access to external resources.	<input type="radio"/>	<input type="radio"/>
A LAN has no access to the perimeter network.	<input type="radio"/>	<input type="radio"/>
A perimeter network typically contains servers that require Internet access, such as web or email servers.	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Explanation:** **Answer Area**

	Yes	No
You use a perimeter network to grant internal clients access to external resources.	<input type="radio"/>	<input checked="" type="radio"/>
A LAN has no access to the perimeter network.	<input type="radio"/>	<input checked="" type="radio"/>
A perimeter network typically contains servers that require Internet access, such as web or email servers.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 171**

If a router is installed so that it separates a DHCP server from its clients, the clients will:

- A. Immediately lose connectivity to all segments.
- B. Be unable to obtain their leases from the server.
- C. Immediately lose connectivity to the local segment.
- D. Receive an immediate renewal of their lease.

**Answer:** B

**NEW QUESTION 173**

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

Answer:

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 175

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 177**

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

Answer:

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 180**

One reason to incorporate VLANs in a network is to:

- A. Increase the number of available IP addresses.
- B. Increase the number of available Media Access Control (MAC) addresses.
- C. Reduce the number of broadcast domains.
- D. Reduce the number of nodes in a broadcast domain.

Answer: D

**NEW QUESTION 183**

Which wireless communication problem is caused by electromagnetic waves?

- A. Fading
- B. Attenuation
- C. Interference
- D. Diffraction

**Answer:** C

**NEW QUESTION 188**

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 190**

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
0:0:0:0:0:0:0:1 is the Loopback address for IPv6.	<input type="radio"/>	<input type="radio"/>
FEC0::9C5A is a valid Site-Local IPv6 address.	<input type="radio"/>	<input type="radio"/>
FE80::F856:02AA is a valid Link-Local (APIPA) IPv6 address.	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Explanation:**

**Answer Area**

	Yes	No
0:0:0:0:0:0:0:1 is the Loopback address for IPv6.	<input checked="" type="radio"/>	<input type="radio"/>
FEC0::9C5A is a valid Site-Local IPv6 address.	<input checked="" type="radio"/>	<input type="radio"/>
FE80::F856:02AA is a valid Link-Local (APIPA) IPv6 address.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 195**

Which two of the following are connectivity options for wide area networks (WANs)? (Choose two.)

- A. Token ring
- B. Ethernet
- C. Dial-up
- D. Leased line

**Answer:** CD

**NEW QUESTION 200**

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 205**

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