

98-366 - MTA Networking Fundamentals

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

In a wireless network that requires an SSL certificate, WEP handles the SSL certificate.

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. 802.1X
- B. WPA2-PSK
- C. WPA-PSK
- D. No change is needed

Answer: A

2. You ping a server by using fully qualified domain name (FQDN) and do not receive a response. You then ping the same server by using its IP address and receive a response.

Why do you receive a response on the second attempt but not on the first attempt?

- A. PING is improperly configured.
- B. The DNS is not resolving.
- C. The DHCP server is offline.
- D. NSLOOKUP is stopped.

Answer: B

3. 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

4. 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 Protocol
ICMP	connection-oriented protocol with guaranteed service Protocol
ARP	resolves IP addresses to MAC addresses Protocol
UDP	
IGMP	

Answer:

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

5. 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

6. Which of the following uses a tunneling protocol?

- A. Internet
- B. VPN
- C. Extranet
- D. VLAN

Answer: B

7. 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

8. The default port used for telnet is:

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

Answer: A

9. 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

10. 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		

Answer:

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

11. HOTSPOT

You are studying for finals in the student lounge. When your laptop is connected to the wireless network, access to the Internet is slow. When you plug your laptop into a wall jack, you can no longer access the Internet at all.

You run the ipconfig /all command. The results are shown in the following image:

```

C:\>ipconfig /all

Windows IP Configuration

Host Name . . . . . : Win7Pro
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : domain.local

Wireless LAN adapter Wireless Network Connection:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) Wi-Fi Link 5300 AGN
Physical Address. . . . . : 00-21-6A-1F-AA-DA
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IPv4 Address. . . . . : 192.168.11.48(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : Friday, May 17, 2013 9:31:02 PM
Lease Expires . . . . . : Saturday, May 18, 2013 9:31:01 PM
Default Gateway . . . . . : 192.168.11.1
DHCP Server . . . . . : 192.168.11.1
DNS Servers . . . . . : 192.168.11.1
NetBIOS over Tcpip. . . . . : Enabled

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : domain.local
Description . . . . . : Intel(R) 82567LM Gigabit Network Connection
Physical Address. . . . . : 00-24-81-B3-D4-64
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Autoconfiguration IPv4 Address. . : 169.254.143.166(Preferred)
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . :
NetBIOS over Tcpip. . . . . : Enabled

Tunnel adapter isatap.domain.local:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : domain.local
Description . . . . . : Microsoft ISATAP Adapter
Physical Address. . . . . : 00-00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes

```

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

Answer Area

The wireless adapter has an IP address configured **[answer choice]**

manually.
through DHCP.
through APIPA.

The Ethernet adapter has an IP address configured **[answer choice]**

manually.
through DHCP.
through APIPA.

Answer:

Answer Area

The wireless adapter has an IP address configured **[answer choice]**

manually.
through DHCP.
through APIPA.

The Ethernet adapter has an IP address configured **[answer choice]**

manually.
through DHCP.
through APIPA.

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

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

Answer: C

13. 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: A,C

14. 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"/>

Answer:

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"/>

15. 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

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

The loopback address of your computer is 127.0.0.1.

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. 10.0.1.1

B. 169.254.0.5

C. 192168.1.1

D. No change is needed

Answer: D

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

A. Star

B. Mesh

C. Ring

D. Bus

Answer: A

18. What are two characteristics of the CSMA/CD access method? (Choose two.)

A. It checks to see if a collision has been detected.

B. It does a round robin search for requests to transmit from all nodes on the network.

C. It signals its intent to transmit on the network.

D. It waits until the transmission medium is idle.

Answer: B,C

19. 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: A,B

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