Check Test11 Gateways to Other Networks Quiz

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1. A computer has to send a packet to a destination host in the same LAN. How will   * 1 point
the packet be sent?

○ The packet will be sent to the default gateway first, and then, depending on the response from
the gateway, it may be sent to the destination host.

◉ The packet will be sent directly to the destination host.

○ The packet will first be sent to the default gateway, and then from the default gateway it will be
sent directly to the destination host.

○ The packet will be sent only to the default gateway.

2. Typically, which network device would be used to perform NAT for a corporate   * 1 point
environment?

○ DHCP server

○ host device

◉ router

○ server

○ switch

3. Which characteristic describes the default gateway of a host computer? *   1 point

○ ● the logical address of the router interface on the same network as the host computer

○ the physical address of the switch interface connected to the host computer

○ the physical address of the router interface on the same network as the host computer

○ the logical address assigned to the switch interface connected to the router

4. What is the purpose of configuring a default gateway address on a host? *   1 point

○ to provide a permanent address to a computer

○ to identify the network to which a computer is connected

○ to identify the logical address of a networked computer and uniquely identify it to the rest of the network

● to identify the device that allows local network computers to communicate with devices on other networks

5. If the default gateway is configured incorrectly on a host, what is the impact on communications?   * 1 point

○ The host is unable to communicate on the local network.

● The host is unable to communicate with hosts on remote networks.

○ The host is unable to communicate with hosts on both the local and remote networks.

○ The host cannot get an IP address from the DHCP server.

6. Which three IPv4 network addresses are private IP addresses? (Choose three.) *   1 point

☑ 10.0.0.0

☐ 172.32.0.0

☐ 192.157.0.0

☑ 172.16.0.0

☑ 192.168.0.0

☐ 224.6.0.0

7. What is the purpose of NAT? *   1 point

○ allowing hosts configured with registered public IP addresses to access the internet

◉ translating private IP addresses to a public registered IP address

○ routing private IP addresses over the public internet

○ assigning a private IP address to a host for internet access

8. What is the primary advantage of using NAT? *   1 point

◉ allows a large group of users to share one or more public IP addresses

○ allows a large group of users to share the same private IP address within a LAN

○ allows static mapping of public inside addresses to private outside addresses

○ allows dynamic mapping of registered inside addresses to private outside addresses

9. Which three settings must be configured on a PC in order for it to communicate with devices located across the internet? (Choose three.)   1 point

☑ IP address

☑ subnet mask

☑ default gateway address

☐ DHCP server address

☐ hostname

10. The default configuration on a home wireless router provides which type of addresses to devices using DHCP?   * 1 point

◉ private IP addresses

○ public registered IPv4 addresses

○ public registered IPv6 addresses

○ vendor-specific MAC addresses

11. Which type of intermediary device acts as a boundary between a home wireless network and the internet?   * 1 point

○ Layer 2 switch

○ access point

○ DNS server

◉ wireless router

Your understanding of today's class *

	1	2	3	4	5	
I didn't understand the class at all	◯	◯	◯	◯	◉	I understand the class very well

What you did not understand in today's class? (Option)

_____

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