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 \equiv Instructions

1.	Which model defines seven layers of networking protocols?	1 point
	OSI model	
	O DoD model	
	○ TCP/IP model	
	C Ethernet model	
2.	Which wireless technology allows devices to connect without the need for a central access point?	1 point
	Ad-hoc mode	
	○ Infrastructure mode	
	○ Mesh networking	
	○ Wi-Fi Direct	
3.	Which subnet mask is associated with a Class C network?	1 point
	O 255.0.0.0	
	255.255.0.0	
	255.255.255.0	
	255.255.255	
4.	Which transport protocol is commonly used for web browsing, file transfer, and email communication?	1 point
	▼ TCP	
	○ UDP	
5.	Which wireless standard operates in the 5 GHz frequency band?	1 point
	802.11a	
	O 802.11b	
	O 802.11g	
	O 802.11n	
6.	Which layer of the OSI model provides encryption and decryption of data for secure communication?	1 point
	Presentation layer	
	○ Session layer	
	O Application layer	
	O Physical layer	
7.	Which wireless technology is commonly used for contactless payment systems?	1 point
	O Bluetooth	
	NFC	
	○ Zigbee	
	○ Z-Wave	

u.	WHICH IF dudices class range is reserved for indidicast addresses:	1 point
	○ Class A	
	○ Class B	
	○ Class C	
	Class D	
	Class D	
9.	Which network protocol provides secure file transfer over an encrypted connection?	1 point
	O DHCP	
	O DNS	
	(e) FTPS	
	O SMTP	
10.	What is the loopback address in IPv4?	1 point
	O 127.0.0.0	
	127.0.0.1	
	① 192.168.0.1	
	O 10.0.0.0	
11.	How many bits are used to represent the network portion of an IPv4 address in a Class B network?	1 point
	O 8 bits	
	16 bits	
	O 24 bits	
	O 32 bits	
12.	Which device can be used to create logical network segments and improve network performance by reducing network congestion?	1 point
	Network switch	
	O Router	
	○ Modem	
	O Repeater	
13.	Which device can perform Network Address Translation (NAT) to allow multiple devices on a private network to share a single public IP address?	1 point
	O Network switch	
	Router	
	○ Modem	
	O Bridge	
14.	Which device provides a connection between a local area network (LAN) and the internet service provider (ISP)?	1 point
	O Network switch	
	O Router	
	● Modem	
	○ Firewall	
15.	Which transport protocol is responsible for error checking and retransmission of lost packets?	1 point
	● TCP	
	○ UDP	