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Started on	Tuesday, 5 August 2025, 4:03 PM
	Finished
Completed on	Tuesday, 5 August 2025, 4:21 PM
	17 mins 58 secs
Marks	26.00/30.00
	<b>86.67</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
	est to download a file from a remote server. The transfer needs authentication and uses two separate connections (control
and data). Which pro	tocol is being used?
a. HTTP	
b. FTP	
C. SSH	
○ d. SMTP	
J 4. 5	
Question 2	
Complete	
Mark 1.00 out of 1.00	
A company has a wel	bsite that must be accessed securely by users. Which protocol should be used to encrypt the communication?
7 Company has a wel	asite that must be accessed securely by users. Which protocol should be used to cherypt the communication.
a. HTTP	
O b. TCP	
c. HTTPS	
Od. DNS	
Question 3	
Complete	
Mark 1.00 out of 1.00	
A developer builds a	n email client that sends emails using port 25 and retrieves them using port 110. Which two protocols are being used?
a. FTP and SNN	MP
b. IMAP and Po	OP3
c. SMTP and IN	MAP
d. SMTP and Personal Pers	
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Question 4
Complete
Mark 1.00 out of 1.00
A device on a network knows its MAC address but not its IP address. Which protocol helps it discover its own IP address?  a. ICMP  b. RARP  c. ARP  d. DNS
Question 5
Complete
Mark 1.00 out of 1.00
A DNS recursive resolver queries an unknown domain. What does it do first?
a. Broadcasts an ARP request
b. Contacts the authoritative DNS server directly
c. Looks in its local zone file
d. Sends the query to a root name server
Question 6
Complete  Mark 1.00 out of 1.00
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Question 8
Complete
Mark 1.00 out of 1.00
A system admin wants to monitor the CPU usage and disk status of multiple routers and switches remotely. Which protocol is most suitable?
○ a. FTP
○ b. IMAP
○ d. RARP
Question 9
Complete
Mark 0.00 out of 1.00
A TCP connection is established between Host A and Host B. Host A sends 3 packets, but only 2 ACKs are received. What happens next?
a. Host B resets the connection.
b. Host A immediately resends all 3 packets.
c. Host A retransmits only the missing packet after timeout or triple duplicate ACK.
d. Host A terminates the connection.
Question 10
Complete
Complete
Complete
Complete  Mark 1.00 out of 1.00
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Question 12 Complete
Mark 1.00 out of 1.00
An application needs to send a video stream with minimal delay, even if some packets are lost. Which protocol should it use?
○ a. TCP
○ c. FTP
○ d. ICMP
Question 13
Complete
Mark 1.00 out of 1.00
ARP replies can be sent without receiving an ARP request. What is this called?
a. Gratuitous ARP
○ b. Proxy ARP
○ c. Reverse ARP
○ d. Spoofed ARP
Question 14
Complete
Mark 0.00 out of 1.00
HTTP/1.1 keeps connections alive by default. Which header disables this behavior?
a. Connection: close
○ b. Cache-Control: no-cache
c. Keep-Alive: off
○ d. Content-Length: 0
Question 15
Complete  Mark 1.00 out of 1.00
If a TCP packet is lost in transit, what mechanism ensures its retransmission?
a. TCP timer and ACK tracking
○ b. ICMP redirect
○ c. UDP checksum
○ d. ARP request

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Question 16
Complete
Mark 1.00 out of 1.00
In SNMP, a device is not responding to GET requests. However, it's sending TRAP messages. What does this indicate?
a. SNMP version mismatch
<ul><li>b. SNMP agent is configured for push-only monitoring</li></ul>
c. Read-only community string is incorrect
○ d. Firewall is blocking SNMP port 162
Question 17
Complete
Mark 1.00 out of 1.00
In TCP's three-way handshake, what is the purpose of the SYN-ACK packet?
<ul> <li>a. To synchronize both parties' sequence numbers and acknowledge SYN</li> </ul>
b. To acknowledge the receipt of the SYN and establish one-way communication
c. To terminate an existing session
d. To confirm port numbers are correct
Question 18
Complete
Mark 1.00 out of 1.00
In the DNS hierarchy, what role does a root name server play?
a. Stores cached records of all domains
b. Resolves all queries by itself
c. Assigns IP addresses to domain names
d. Refers the resolver to the appropriate TLD server
d. Refers the resolver to the appropriate TLD server
<ul> <li>d. Refers the resolver to the appropriate TLD server</li> <li>Question 19</li> <li>Complete</li> </ul>
Question 19
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Question 2	20
Mark 1.00 c	out of 1.00
<ul><li>a.</li><li>b.</li><li>c.</li></ul>	It handles the DNS resolution of the client It transfers files between the server and the client It encrypts the data sent during authentication It maintains a command link over TCP port 21
Question 2 Complete Mark 1.00 c	
When a	an IP packet is fragmented, which header field helps the receiver reassemble the original packet?
O b.	Fragment Offset Header Length Protocol TTL
Question 2 Complete Mark 1.00 c	
Which a	application-layer protocol allows full-duplex communication and is used for real-time updates (e.g., chat apps)?
	FTP HTTPS SNMP
	WebSocket
Question 2 Complete Mark 1.00 c	
Which f	field in the IP header is used to prevent packets from looping indefinitely in the network?
Оа	Fragment Offset
	TTL (Time To Live)
	Flags
○ d.	Identification

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Question 28					
Complete					
Mark 1.00 out of 1.00					
Which protocol will succeed even if the destination host does not respond?					
○ a. SNMP GET					
○ b. TCP					
© c. UDP					
○ d. FTP					
Question 29					
Complete					
Mark 1.00 out of 1.00					
William Company to the company of th					
You're testing FTP in passive mode, but the connection is refused. What is the most probable cause?					
a. DNS server is misconfigured.					
○ b. TCP port 21 is blocked.					
© c. Server's data port range is not open in firewall.					
○ d. FTP client does not support encryption.					
Question 30					
Complete					
Mark 1.00 out of 1.00					
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You're designing a messaging app. You want to ensure every message is delivered in order and without loss. Which protocol will you use for transport?					
transport:					
O b. ARP					
○ c. FTP					
O d. UDP					
○ <del>4. 52.</del>					