

Unit 1.5 Network topologies, protocols and layers

Lesson 1 Networks, WiFi and Encryption

MCQS ANSWERS

Question 1: What network has the server placed in the centre and the devices around it? (1-4)	✓
Ring	
Bus	
Star	
Mesh	
Question 2: Which is a feature of a Mesh Network? (5-6)	✓
Data can be transmitted from different devices simultaneously.	
Devices are dependent on a central sever.	
The network uses terminators	
The Server is usually based in the middle of the network	
Question 3: Which of these is not an advantage of a Network? (1-4)	✓
Shared files and resources	
Less vulnerable to hackers	
Data can be shared across a range of users	
User accounts can be created	
Question 4: Which is a disadvantage of WiFi? (1-4)	✓
You can use it in a range of 'hard to reach' locations making users more mobile	
It is simple to join a WiFi network	
It reduces Health & Safety issues by removing wires	
It is more cost effective	
None of them	
Question 5: Encryption is? (1-4)	✓
A secret code used to keep data safe	
A key which is applied to data to scramble it (a)	
A set of numbers used to replace letters in data that is transmitted	
A message that is kept secret	
Question 6: The Encryption method used on Secure Internet transitions is called? (5-6)	✓
Public Key Encryption	
Public Code Encrypting	
Public Key Encrypting	
Private Key Encryption	

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Question 7: Encryption requires a key? (1-4)		✓
True		
False		
Question 8: Which term describes the physical layout of a Network? (1-4)		✓
Topology		
Topping		
Topiologly		
Toppology		
Question 9: What is a benefit of a wired network over a wireless network? (7-9)		✓
Increased costs		
Technical Knowledge needed		
Faster Data Transfer Speeds		
Easier to hack		
Question 10: What is a benefit of a mesh network over a star network? (7-9)		✓
Cabling is often easier to follow		
Increased redundancy		
You only need one server		
It costs less to set up		

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Unit 1.5 Network topologies, protocols and layers

Lesson 2 IP, MAC and Protocols

MCQS ANSWERS

Question 1: What does HTTPS stand for? (1-4)	✓
Hypertext Transfer Protocol Secure	
Hyper Text Protocol Secure	
Hidden Text Transfer Protocol Station	
Hypertext Transfer Protocol Station	
Question 2: Which of these Protocols deals with Email? (1-4)	✓
FTP	
@POP	
SMTP	
IMAP	
Question 3: What does FTP stand for? (1-4)	✓
Flat Transfer Procedure	
File Transfer Protocol	
Flat Transfer Protocol	
File Transferring Protocol	
Question 4: Which of these is not a Protocol? (5-6)	✓
TCP/IP	
DCHP	
HTTP	
HTTPS	
Question 5: Which of these is not a Protocol? (5-6)	✓
DNS	
FTP	
POP	
IMAP	
Question 6: Where is a MAC address stored? (5-6)	✓
In the computer	
On the NIC	
As a list in the router	
In the modem	
On the Internet	

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Question 7: What is the purpose of the HTTP protocol? (1-4)	✓
When transferring large files, it is used to organise them and process the HTML code on the webs page	
It is used for email communication and sending emails	
It makes the transfer of a webpages from the servers to the user's device	
It allows data to be communicated through a 4 Layer model	
Question 8: What does SMTP stand for? (1-4)	✓
Server Mail Transfer Protocol	
Simple Mail Transition Protocol	
Simple Mail Transfer Protocol	
Server Mailing Transfer Procedure	
Question 9: A MAC Address is usually recorded in (5-6)	✓
Binary	
Denary	
Floats	
Hexadecimal	
Question 10: Which of these if not A real IP address? (7-9)	✓
192.168.2.156	
192.168.2.1	
192.168.2.200	
192.168.2.328	

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