

## Unit 1.5 Network topologies, protocols and layers

### Lesson 1 Networks, WiFi and Encryption

## MCQS

The numbers after the question are an approximate estimation of relative difficulty, broadly based around the new GCSE Numbering System. Please note that these were produced before final guidance was released regarding levels of difficulty and as such should be used as a rough guide only.

<b>Question 1: What network has the server placed in the centre and the devices around it? (1-4)</b>	✓
Ring	
Bus	
Star	
Mesh	
<b>Question 2: Which is a feature of a Mesh Network? (5-6)</b>	✓
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	
<b>Question 3: Which of these is not an advantage of a Network? (1-4)</b>	✓
Shared files and resources	
Less vulnerable to hackers	
Data can be shared across a range of users	
User accounts can be created	
<b>Question 4: Which is a disadvantage of WiFi? (1-4)</b>	✓
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	
<b>Question 5: Encryption is? (1-4)</b>	✓
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	
<b>Question 6: The Encryption method used on Secure Internet transitions is called? (5-6)</b>	✓
Public Key Encryption	
Public Code Encrypting	
Public Key Encrypting	
Private Key Encryption	

# COMPUTER SCIENCE

## MCQs and Answers

### MCQS

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

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