

**Unit 1.4 Wired and Wireless Networks****MCQS ANSWERS**

<b>Question 1: What is a standalone computer? (1-4)</b>	Ü
A computer that is not connected to a network	Ü
A computer that is being used as a server	
A computer that does not have any peripherals attached to it	
A computer that is used by only one person	
<b>Question 2: Which of these is a characteristic of a LAN? (3-6)</b>	Ü
It covers a wide geographical area	
Computers are connected together using a leased line or a satellite	
Users can share files and peripherals	Ü
Data can only be transmitted at a very slow rate	
<b>Question 3: Which of these is a characteristic of a WAN? (3-6)</b>	Ü
It covers a small geographical area	
Normally has a lower bandwidth than a LAN	Ü
It is contained within one building	
Users are not able to share files and peripherals	
<b>Question 4: Which of these statements is true? (3-6)</b>	Ü
A client-server network has a central computer that provides services to the rest of the network	Ü
A client-server network is cheap and easy to set up	
A client-server network cannot be used to share files	
Each computer on a client-server network is maintain separately	
<b>Question 5: Where are you most likely to find a peer-to-per network? (1-4)</b>	Ü
In a large organisation	
In a home	Ü
In a large office	
Across several offices in a company	
<b>Question 6: Which of these is a benefit of a peer-to-peer network? (6-9)</b>	Ü
Antivirus scans can be run across all computers from one computer	
All software updates can be run across all computers from one computer	
All computers can be maintained from one computer	
Files and peripherals can be shared	Ü
<b>Question 7: Which of these is the correct definition of a router? (1-4)</b>	Ü
Forwards data packets along a network	Ü
Corrects errors that are found in data packets	
A type of transmission media that provides the greatest bandwidth	
A server within a network	

## MCQS ANSWERS

<b>Question 8: Which transmission media is capable of having a much higher bandwidth? (6-9)</b>		Ü
Coaxial		
Twisted pair cable		
Plastic		
Fibre optic		Ü
<b>Question 9: Which type of transmission media is the least expensive to manufacture? (6-9)</b>		Ü
Coaxial		
Twisted pair cable		Ü
Plastic		
Fibre optic		
<b>Question 10: Which of these components is internal to a computer and is required to connect the computer to a network? (1-4)</b>		Ü
Wireless Access Point		
Network Interface card		Ü
Switch		
Hub		

## MCQS ANSWERS

<b>Question 1: What is meant by latency in the performance of a network? (6-9)</b>	Ü
The amount of time data takes to travel from the source to the destination	Ü
The maximum rate that data can be transferred at	
The number of errors that are found in a data packet after transmission	
The route a packet takes when it is being transmitted	
<b>Question 2: Which of these terms refers to the maximum rate at which data can be transferred? (1-4)</b>	Ü
Error detection	
Packet switching	
Bandwidth	Ü
Transmission media	
<b>Question 3: What is meant by a data packet? (6-9)</b>	Ü
A unit of data that travels along a network	Ü
The number of errors found in data when it has been transmitted	
The data a computer needs to connect to a network	
A connection point in a network that allows data to be shared	
<b>Question 4: What is meant by a virtual network? (3-6)</b>	Ü
A network that is controlled by a central server	
A network that is used only to share software	
Controlling computers and devices remotely using the internet	Ü
A network that is built using only wireless connection points	
<b>Question 5: Which of these is a benefit of virtual network? (6-9)</b>	Ü
They have a higher level of security than other remote connections	Ü
There is no need for any hardware to connect a computer to a network	
There is no need for any software to connect a computer to a network	
They stop any errors occurring in the transmission of data in a network	
<b>Question 6: Which of these is a correct definition of DNS? (6-9)</b>	Ü
An internet service that is used to detect errors	
An internet service that stores data in large quantities for different companies	
An internet service that provides a messaging service for users to communicate	
An internet service that translates alphabetic names into IP addresses	Ü
<b>Question 7: What is meant by hosting? (3-6)</b>	Ü
A service that allows individuals and organisations to make their website available on the world wide web	Ü
A service that creates websites for companies	
A service that transmits data in a network	
A service that translates alphabetic names into IP addresses	

## MCQS ANSWERS

<b>Question 8: What is cloud computing? (1-4)</b>	<b>Ü</b>
Storing large amounts of data on a single computer	
Using the internet to store and access data and programs remotely	<b>Ü</b>
Storing hard copies of data as a backup	
Using the internet to communicate with other users	
<b>Question 9: What problem can occur through using cloud computing? (3-6)</b>	<b>Ü</b>
There can be privacy and security issues	<b>Ü</b>
More hardware needs to be added to a company network to store data	
Only a small amount of data can be stored	
Only a small amount of software can be stored	
<b>Question 10: Which of these is a benefit of cloud computing? (3-6)</b>	<b>Ü</b>
It can reduce costs for a company as they do not need to buy additional hardware to store data	<b>Ü</b>
It is the cheapest option for a company to store their data as they do not need to pay for cloud computing	
Data can be accessed anywhere as an internet connect is not needed to access data and software stored in cloud computing	
Data will always be more secure in a cloud computing system	

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