1.4 Wired and Wireless Networks

Total points 29/29

Email *

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✓ Which of these is a correct definition of DNS?   1/1

○ 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 names into IP addresses   ✓

✓ Which of these Protocols does not deal with Email? (1-4)   1/1

● FTP   ✓

○ POP

○ SMTP

○ IMAP

✓ Which of these components is internal to a computer and is required to   1/1
   connect the computer to a network? (1-4)

   ○ Wireless Access Point

   ◉ Network Interface card   ✓

   ○ Switch

   ○ Hub

✓ Which of these is a benefit of cloud computing?   1/1

   ◉ It can reduce costs for a company as they do not need to buy additional   ✓
      hardware to store data

   ○ 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

✓ Where are you most likely to find a peer-to-per network? (1-4)   1/1

   ○ In a large organisation

   ◉ In a home   ✓

   ○ In a large office

   ○ Across several offices in a company

✓   Which of these is a characteristic of a WAN? (3-6)   1/1

○ It covers a small geographical area

◉ Normally has a lower bandwidth than a LAN   ✓

○ It is contained within one building

○ Users are not able to share files

✓   Which is a feature of a Mesh Network? (5-6)   1/1

◉ Data can be transmitted from different devices simultaneously.   ✓

○ Devices are dependent on a central server.

○ Network uses terminators

○ The Server is usually based in the middle of the network

✓   Which of these is not an advantage of a Network? (1-4)   1/1

○ Shared files and resources

◉ Less vulnerable to hackers   ✓

○ Data can be shared across a range of users

○ User accounts can be created

✓ What problem can occur through using cloud computing?   1/1

◉ There can be privacy and security issues   ✓

○ 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

✓ What is a benefit of a wired network over a wireless network? (7-9)   1/1

○ Increased costs

○ Technical Knowledge needed

◉ Faster Data Transfer Speeds   ✓

○ Easier to hack

✓ A MAC Address is usually recorded in (5-6)   1/1

○ Binary

○ Denary

○ Floats

◉ Hexadecimal   ✓

✓ What is the purpose of the HTTP protocol? (1-4)   1/1

○ When transferring large files, it is used to organise them and process the HTML code
    on the webpage

○ It is used for email communication and sending emails

◉ It enables the transfer of webpages from the server to the user's device   ✓

○ It allows data to be communicated through a 4 Layer model

✓ Which of these statements is true? (3-6)   1/1

◉ A client-server network has a central computer that provides services to the rest   ✓
    of the network

○ 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

✓ Which of these terms refers to the maximum rate at which data can be   1/1
    transferred?

○ Error detection

○ Packet switching

◉ Bandwidth   ✓

○ Transmission media

✓ Which is a disadvantage of WiFi? (1-4)   1/1

○ 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   ✓

✓ What is meant by hosting?   1/1

◉ A service that allows individuals and organisations to make their website   ✓
  available on the world wide web

○ A service that creates websites for companies

○ A service that transmits data in a network

○ A service that translates alphabetic names into IP addresses

✓ Which of these is not a Protocol? (5-6)   1/1

◉ DNS   ✓

○ FTP

○ POP

○ IMAP

✓ Which of these is the correct definition of a router? (1-4)   1/1

◉ Forwards data packets along a network   ✓

○ Corrects errors that are found in data packets

○ A type of transmission media that provides the greatest bandwidth

○ A server within a network

✓ What is cloud computing?   1/1

○ Storing large amounts of data on a single computer

◉ Using the internet to store and access data and programs remotely   ✓

○ Storing hard copies of data as a backup

○ Using the internet to communicate with other users

✓ Which of these if not A real IP address? (7-9)   1/1

○ 192.168.2.156

○ 192.168.2.1

○ 192.168.2.200

◉ 192.168.2.328   ✓

✓ Which of these is a characteristic of a LAN? (3-6)   1/1

○ It covers a wide geographical area

○ Computers are connected together using a leased line or a satellite

◉ Users can share files and peripherals   ✓

○ Data can only be transmitted at a very slow rate

✓ Which term describes the physical layout of a Network? (1-4)   1/1

◉ Topology   ✓

○ Topping

○ Topiary

○ Topiology

○ Toppology

✓ What does HTTPS stand for? (1-4)   1/1

◉ Hypertext Transfer Protocol Secure   ✓

○ Hyper Text Protocol Secure

○ Hidden Text Transfer Protocol Station

○ Hypertext Transfer Protocol Station

✓ Encryption is? (1-4)   1/1

○ A secret code used to keep data safe

◉ A key is applied to data to scramble it   ✓

○ A set of numbers used to replace letters in data that is transmitted

○ A message that is kept secret

✓ 1: What is a standalone computer? (1-4)   1/1

◉ A computer that is not connected to a network   ✓

○ 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

✓ Which transmission media is capable of having a much higher   1/1
bandwidth? (6-9)

○ Coaxial

○ Twisted pair cable

○ Plastic

◉ Fibre optic   ✓

✓ What does SMTP stand for? (1-4)   1/1

○ Server Mail Transfer Protocol

○ Simple Mail Transition Protocol

◉ Simple Mail Transfer Protocol   ✓

○ Server Mailing Transfer Procedure

✓ What is a benefit of a mesh network over a star network? (7-9)   1/1

○ Cabling is often easier to follow

○ You only need one server

◉ Increased redundancy   ✓

○ It costs less to set up

✓ What does FTP stand for? (1-4)   1/1

○ Flat Transfer Procedure

◉ File Transfer Protocol   ✓

○ Flat Transfer Protocol

○ File Transferring Protocol

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