

TEST
Chapter 4 IGCSE

1. CHOOSE THE DEVICES USED IN A NETWORK

MODEM

LAN

HUBS

ROUTER

MAC

WAN

SWITCHES

2. Complete the sentences with ONE word from the box. There are extra words.
LOCAL - WIDE - CABLES - MODEM - BRIDGE - FIREWALL

In _____ area networks the computers or networks are situated a long distance from each other geographically.

A _____ is used to connect together parts of a LAN so that they can work as single LAN.

WLANs are similar to LANs but without _____

3. Choose the true facts of LANs.

Software applications can be shared

The communication between users is easy.

The network will function even when the server breaks down.

They are part of a WAN.

The security risk is reduced.

4. Choose the true facts of WLANs

Satellites are usually used

The communication is provided using radio signals

The signal is never affected

The data transfer rate is slower than in a wired LAN.

They have an unlimited range.

5. Match the acronyms with their function:

| | |
|------|---|
| IP | Is needed to allow a device to connect to a network and is usually part of the device hardware |
| NIC | Is a Unique number that identifies a device connected to the internet. |
| MAC | Gives the Location of a device on the internet and is unique for the particular internet session. |
| ADSL | Allows telephone conversations and internet traffic to occur at the same time |

6. Decide whether the following statements are true or false:

The routers enable data packets to be routed between the different networks, for example, to join a LAN to a wide area network". TRUE / FALSE

The switches are less efficient than hubs in the way that they distribute data packets. TRUE / FALSE

Wi-Fi offers much faster data transfer rates, better range and better security than Bluetooth". TRUE / FALSE

When a device using Bluetooth wants to communicate, it randomly picks one of 49 channels. TRUE / FALSE

Every computer on the network has the same part of an IP address. TRUE / FALSE

Internet should be policed to prevent vulnerable groups from undesirable websites. TRUE / FALSE

A strong password contains only numerical value. TRUE / FALSE

7. Read the following statements about Internet connection and choose the right device: P (Phone) - L (Laptop) - DC (Desktop computer)

It usually has a more stable and reliable internet connection P - L - DC

All web pages are accessible due to larger screen size than other devices. P - L - DC

Not all websites are friendly, therefore not all websites may be accessible. P - L - DC

It requires expensive "dongles" to access networks. P - L - DC