

1.

(a) Tick whether the following are examples of System software or Applications software.

	System (✓)	Applications (✓)
A linker		
A database		
An operating system		
An applet		

[2]

(b) Tick whether the following are examples of Internal hardware or External hardware.

	Internal (✓)	External (✓)
A monitor		
RAM		
Printer		
Mouse		

[2]

2.

The introduction of computers into the workplace has had an effect on working patterns.

Name the most appropriate working pattern that matches the descriptions given below.

- (a) Working fewer hours a week than full-time staff. [1]
- (b) Workers have some say in when they start and finish work but must work a full day. [1]
- (c) One full-time job is divided between two workers. [1]
- (d) A worker works the required hours but in a fewer number of days. [1]

3.

People are buying smartphones rather than desktop computers.

Describe the differences between using a smartphone compared to a desktop computer.

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[4]

4.

Compare and contrast Bluetooth and WiFi.

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[6]

7. Applications software can be installed on a computer's hard disk but companies are increasingly selling applications software that is stored in the cloud.
 Discuss the advantages and disadvantages of using the cloud rather than a hard disk for applications software.

 [6]

5. A company's employees can have access to the internet and the company intranet.
 Describe the differences between an intranet and the internet.

 [6]

6. Tick whether the following statements refer to 3D printers, Laser printers or Dot matrix printers.

	3D (✓)	Laser (✓)	Dot matrix (✓)
This printer prints layer by layer			
This printer is an impact printer			
This printer is a form of ink jet printer			
This printer produces high quality output quickly			

[4]

8.

Direct data entry is one method of entering data into a computer. For each statement in the table below, write down the most appropriate input device from the list.

- | | | | | |
|-----------------|-------------|----------|------------------------|--------------------|
| Bar code reader | Chip reader | Keyboard | Magnetic stripe reader | MICR |
| Microphone | Mouse | PIN pad | RFID reader | Temperature sensor |

Statement	Input device
The device used to input the account number printed at the bottom of a cheque	
The device used to input the four-digit code when a debit card is used	
The device used to input the data made up of black lines and spaces on household goods	
The device used to input the data from a contactless credit card	

[4]

9.

A computer consists of hardware and software.

(a) State what is meant by hardware.

.....
 [1]

(b) State what is meant by software.

.....
 [1]

(c) There are two types of software.

Name **one** of the two types of software used by a computer.

.....
 [1]

(d) Name the piece of hardware found in a tablet computer that is both an input and output device.

.....
 [1]

10.

There are many types of data storage.

Tick whether the following statements are examples of read-only memory (ROM), random access memory (RAM) or a hard disk drive (HDD).

	ROM (✓)	RAM (✓)	HDD (✓)
It loses its data when the computer is switched off.			
It is classed as backing storage.			
It stores the start-up instructions of the computer.			
It temporarily stores the current work of the current user.			

[4]

11.

Circle **two** items which are used for direct data entry.

- | | | |
|----------|---------|------------|
| Keyboard | MICR | Microphone |
| Mouse | Printer | RFID |

[2]