

3. Give short answers to the following questions:

- a. A Smart light in Alisha's house turns on automatically when someone enters a room. Why is this light called a smart device?

It senses movement and automatically responds without human control.

- b. Describe the **inputs**, **processes** and the **output** for the I-P-O model of an electric toaster.

Input: Bread + lever pressed+ timer

Process: Heating bread

Output: Toasted bread pops up

4. Choose whether the following statements are true or false

	Statements	True/ False
i.	Digital cameras normally use HDD to store photographs	False
ii.	A CD-ROM is an example of Optical Storage	True
iii.	In a computer system, data is an input	True
iv.	A microphone is the output in audio production	False
v.	Optical storage devices are the most common storage devices found in a computer system	False
vi.	HDDs are slower than SSDs	True

5. Ali is sitting on his sofa playing a **video game**.

He uses a **wireless controller** to move his character.

His sister changes the **TV** channel using a **remote control**.

At the same time, their **smart doorbell** sends a video to their **phone** when someone presses it.

- a. Which of the devices mentioned above are remote input devices? Write their names.

Wireless controller, Remote control, Smart doorbell

b. Why are these devices called **remote** input devices? Explain in one sentence.

They send information from a distance.

c. Circle the correct answer:

A remote input device sends information

- i.** Into the computer/device
- ii. Out of the computer/device
- iii. Both

d. Can you give one more example of a remote input device used at home or school?

Wireless keyboard, wireless mouse, CCTV camera etc. (as long as it is applicable)

e. Why might **remote input devices** be better than **wired devices** in some situations? Give **one** example

They collect information from a variety of places as well as places that are too far or not suitable for humans to collect information from

f. When we say a place is **hazardous** for humans to go to get input, what do we mean?

A dangerous place unsafe for humans (fire, chemicals, etc.)

6. When talking about humans, write which of the following is **Input**, **processing** or **output** as far as human the body is concerned.

- a. Smelling: ___ **Input** _____
- b. Seeing: ___ **Input** _____
- c. Writing: ___ **Output** _____
- d. Touching: ___ **Input** _____
- e. Thinking: ___ **Processing** _____
- f. Eating/Drinking: ___ **Input** _____
- g. Singing: ___ **Output** _____
- h. Hearing: ___ **Input** _____

7. Complete the following table:

1 Byte = ___ **8** _____ bits

1 Kilobyte = ___ **1024** _____ bytes

1 Megabyte = ___ **1024** _____ Kilobytes