







Input and Output Devices

CHAPTER CONNECT

Can you guess the names of the following computer parts. Write the missing letters.

- (i) K E y B O A R d
- (ii) P e N d R I v E
- (iii) M O U s E
- (iv) P ri N T E r
- (v) S P E A k E R s

Topics Covered

-  Input Devices
-  Output Devices
-  Processing Device
-  Storage Devices



Introduction

In the previous class, we have learnt that each part of a computer has a special function. The main parts of a computer are:



The parts of a computer are divided into four main categories :

- Input devices
- Processing device
- Output devices
- Storage devices

INPUT DEVICES

The devices which are used to enter data into a computer are called **input devices**. Some of the common input devices are as follows :

Keyboard

A **keyboard** has many buttons, called keys. Whatever we type using the keyboard, appears on the monitor. So, keyboard is an input device.



Keyboard

Mouse

The commands that we give to the computer using a mouse is an input. So, **mouse** is an input device. It is used to point, move and select any item on the computer screen.



Mouse

Microphone

The **microphone** is an input device that helps us to record our voice into the computer.



Microphone

Scanner

A **scanner** is an input device that scans pictures and sends into the computer.



Scanner

OUTPUT DEVICES

The devices which are used to display and give the final output are called **output devices**. Some of the most common output devices are as follows :



Monitor

A **monitor** looks like a TV screen. It displays whatever is typed on the screen. It also displays the results. So, it is an output device.



Monitor

Printer

A **printer** is used to take a copy of the information stored in your computer on paper. It can be used to take both black and white or coloured printouts.



Printer



Cyber Tid Bits

The printed sheet that we get from a printer is called the printout. A printout is the **hard copy** of the document whereas what we see on the screen is the **soft copy**.

Speakers and Headphones

Speakers are known as output devices as they help us to hear sounds coming from the computer.



Speakers

The **headphones** allow us to listen sounds without disturbing others. Only the person who is wearing the headphones can hear the music or recorded sound.



Headphones

PROCESSING DEVICE

As we know, any device has to be connected to the CPU in order to send or receive information.

CPU stands for **Central Processing Unit**. It works as the brain of the computer.

It takes information from the input devices, does the work and sends the result to the output devices. So, a CPU is known as the



CPU



processing device of a computer.

We can also divide CPU in units form like :

1. Memory Unit (MU)
2. Control Unit (CU)
3. Arithmetic and Logic Unit (ALU)

- **Memory unit** is used to store information in computer.
- **Control unit** controls all the activities of computer.
- **Arithmetic and Logic Unit** is used for calculation and building logics in computer.

Fun Time



Observe the pictures given below and find out which device each one of them is using. Write **I** for input device, **O** for output device and **P** for processing device.



Kriti



Krish



Sachin



Raju



Komal



Ananya

(i) Which child is using the keyboard?

SACHIN

(ii) Name the child using the mouse.

RAJU

(iii) Name the child with headphones.

KRISH



(iv) Who is using a printer?

KRITI

(v) Who is standing with the brain of computer?

ANANYA

(vi) Name the child who is listening songs on speakers.

KOMAL

STORAGE DEVICES

By now, we have learnt about the functions of input and output devices. But have you ever wondered which devices store our output on computer? Yes, they are **data storage devices**. They are used to store information on the computer. The most common storage devices are :

Hard Disk

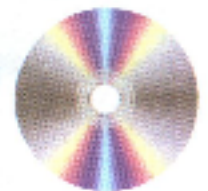
A **hard disk** is fixed inside the CPU box storing all the information of the computer.



Hard Disk

CD

CD stands for Compact Disc, which helps us to store large amount of data. It is round in shape. We place the CD inside the CD-ROM drive.



CD

DVD

DVD stands for Digital Versatile Disc, which can store more data than CD. We can record complete movies on DVD.



DVD

Pen drive

A **pen drive** stores data that can be copied to any other computer. As the pen drive is small in size, it can be carried anywhere. It is also known as **Flash drive**.



Pen drive

All the devices of a computer – be it input, output, processing or storage makes it a useful machine.



Recap

- An input device sends information to the computer whereas an output device receives information from the computer.
- Keyboard, mouse, microphone and scanner are the examples of input devices.
- Monitor, printer, headphones and speakers are the examples of output devices.
- CPU is known as the processing device of a computer.
- The data storage devices of a computer are hard disk, CD, DVD and pen drive.

EVALUATE

A Tick (✓) the correct answer.

1. Which one is an output device?

(a) Printer



(b) Keyboard



(c) Scanner



2. The short form of Compact Disc is:

(a) DVD



(b) CD



(c) CD-R



3. Which one is a storage device?

(a) Scanner



(b) Printer



(c) Pen drive



B Write 'T' for true and 'F' for false statements.

1. Monitor is known as the input device of computer.



2. Scanner is a processing device.



3. DVD is a storage device.



4. Memory unit is used to store information.



5. Speakers are used to record sound.



C Name the following devices.

1. Records our voice into the computer.

HEADPHONE

2. Printed sheet that we get from a printer.

PRINTOUT



3. Brain of the computer.

CPU

4. Storage device fixed inside the CPU box.

HARD DISK

5. Storage device that is easy to carry.

PEN DRIVE

D Answer the following questions.

1. Write function of input and output devices. Input device is used to enter information and output devices is used to display information.

2. Name some input devices.

Keyboard, mouse, microphone, Scanner etc.

3. Name some output devices.

monitor, Printer, Speaker, Headphone etc.

4. Which part is known as processing device? Name its parts. cpu is known as processing device. Parts of cpu are - (i) ALU (ii) MU (iii) CU

5. Write a short note on pen drive. pen drive is a storage device. It is a small size device that can be carried anywhere.

E Write the full forms of the following.

1. CPU Central Processing Unit

2. CD Compact Disc

3. DVD Digital Versatile Disc

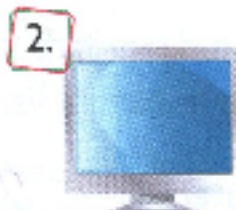
ACTIVITY

A Identify the following pictures. Put a tick (✓) if the correct name of the picture is given, otherwise put a cross (x).



Scanner

x



Monitor

✓



Headphones

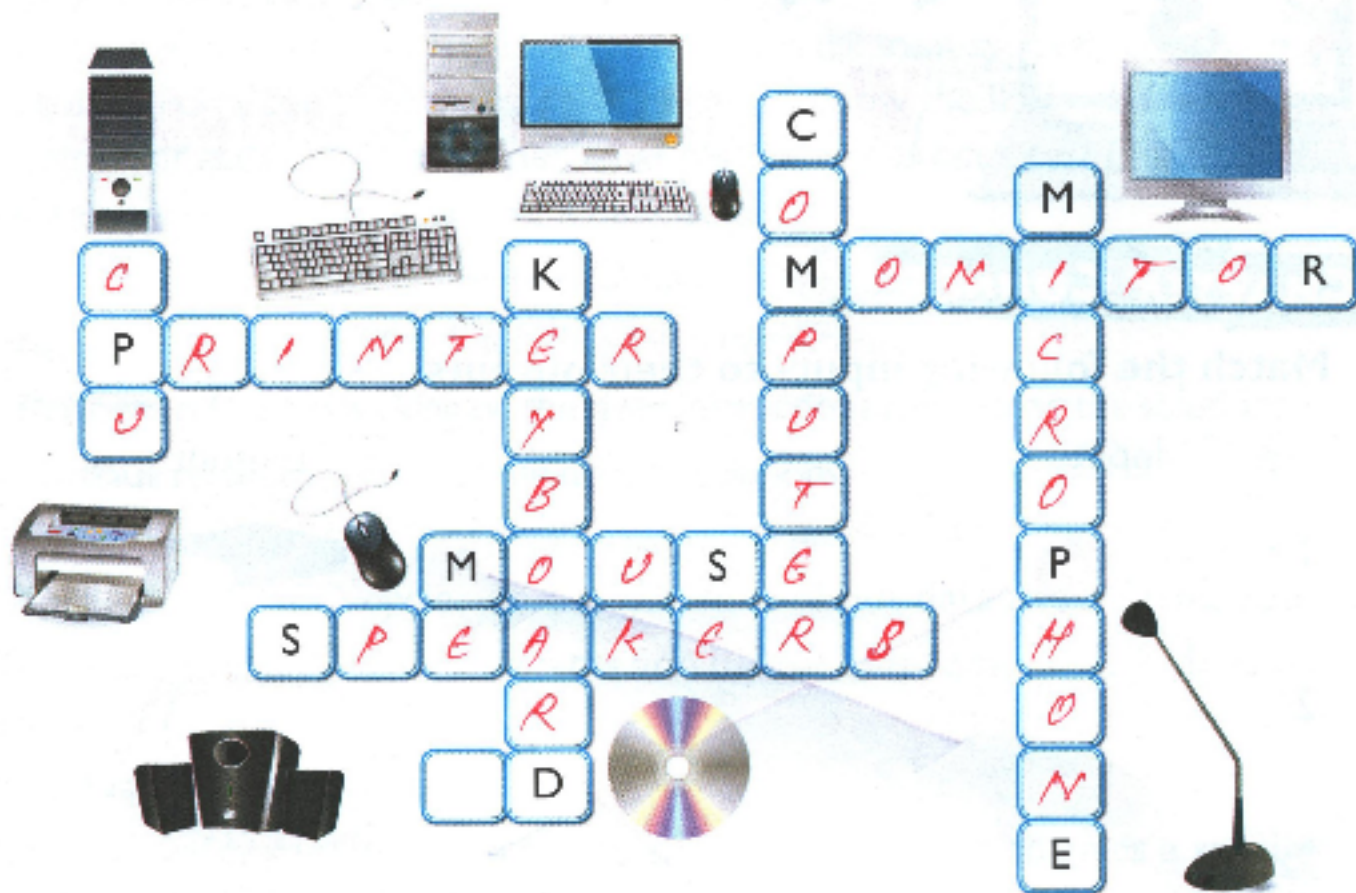
✓



Speakers

x

B Complete the crossword with the help of pictures given below.



IN THE COMPUTER LAB

- Visit the computer lab of your school and look at all the devices one by one. Make a list of the computer parts that you see there. Also, mention the uses of each one of them.
- Ask your teacher to demonstrate how to put a CD in the CD drive.
- Draw a diagram of a computer in your notebook and label all its parts.

