

CLASS: IV-COMPUTER

LESSON: 1-INPUT AND OUTPUT DEVICES

INPUT AND OUTPUT DEVICES



A computer is a machine that works on electricity.



It can be compared to a magic box that can do a variety of jobs.



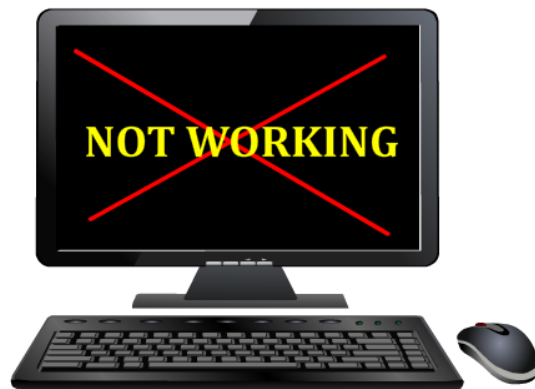
The physical parts of a computer that we can touch and see are called **Computer Hardware**.



Software is a set of instructions that helps the hardware to work in a desired manner.



Hardware and software are interdependent. Without software, a computer cannot work.



The main components that carry out the basic operations of a computer are: Keyboard, Mouse, CPU and Monitor.




Let's Know More

- ◆ CPU and other computer hardware components are attached to the motherboard.
- ◆ Motherboard is the main circuit board of the computer system.


Besides these components, some additional parts can also be attached to a computer.

These additional parts are known as peripherals of a computer, e.g., Printer, Scanner, Web camera, and so on.





Fact File



Vinod Dham

is popularly known as the 'Father of Pentium' for his contribution in the development of the Pentium Processor from Intel.

➡ INPUT DEVICES

The devices through which we enter data and instructions are called **Input Devices**.



The other input devices are mouse, trackball and light pen, which do not require typing to input data. They are called **Pointing Devices**.



KEYBOARD

A keyboard is used to enter data and instructions into the computer by typing.



KEYBOARD

A standard keyboard has 104 keys, which can be divided into four groups: Typing keys (Alphabet keys and Numeric keys), Function keys



(F1 to F12), Navigation keys (Arrow keys, Home, End, Page Up, Page Down, etc), and Control keys (Ctrl, Alt, Windows logo key, and Esc).





Fact File



Sir Christopher Latham Sholes is regarded as the inventor of **QWERTY** Keyboard layout.


MOUSE

A mouse is a hand-held pointing device with two buttons on its top.

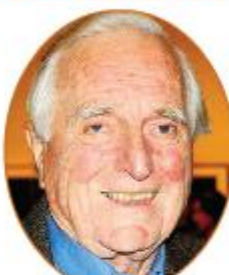


It is used to control the movement of a pointer to select the objects and to open files/folders. A mouse is also used to draw pictures.





Fact File



Dr. Engelbart is the inventor of the computer mouse.

MICROPHONE

A microphone is an input device, which is used to record voice, music and sound into the computer system.



TOUCH PAD

On a laptop computer, the touch Pad is used instead of a mouse. It is a touch sensitive pad.



We can control the movement of the pointer on the screen by moving the finger on the touch pad.



TOUCH SCREEN

We can select the objects directly by touching with fingers without using any pointing device, e.g., Tablets, Laptops, ATM, cell phones, etc.



LIGHT PEN

A Light Pen is a pen like pointing device. It is used to select objects on the display screen.



A. Fill in the blanks:

1. The physical parts of a computer are called
2. The printers give very high quality output.
3. A copies the text and pictures directly into the computer.
4. devices display the result which we get after processing.
5. A CPU is also know as the
with our friends and relatives.

Check

Check

Check

Check

Check

HINTS

- LASER
- SYSTEM UNIT
- OUTPUT
- HARDWARE
- SCANNER

B. State True or False:

1. A digital camera is used to share pictures and have video telephony on the Internet.
2. The CPU manages all the jobs of a computer.
3. A touch pad is mostly used on the laptop computer.
2. A light pen is used only with an LCD monitor.
4. The Multifunction Printer is also know as All-in-One Printer.

C. Match the following:

A

Mouse



Light Pen



Digital Camera



MU



Inkjet Printer



Speaker



B

Used to listen to music and sound effects

Stores Information

A handheld pointing device

Used for routine business work

Only used with CRT monitor

Transfers photographs into a computer

A. Multiple Choice Questions:

1. Which output device allows you to hear sound?

a. Microphone



b. Speakers



c. Monitor



2. Which device is used to control the movement of the pointer on laptop computers?

a. Touch Pad



b. Track ball



c. Touch Screen



3. Which device gives the output onto paper?

a. Printer



b. Monitor



c. Speaker



4. Which device is used to select the objects directly by touching with fingers?

a. Touch Pad



b. Light Pen



c. Touch Screen



5. How many keys does a standard keyboard have?

a. 401



b. 104



c. 94



6. Who invented the computer mouse?

a. Dr. Engelbart



b. Vinod Dham



c. Sir Christopher Latham Sholes

