

Instructions:-Parents are expected to ensure that the child reads, understands, learns and is able to do the given exercises.

TOPIC:- A COMPUTER SYSTEM AND HARDWARE

1. **A COMPUTER SYSTEM**-- Computer is a useful machine. It is used in almost every sphere of life. We can play games, write letters, draw pictures, listen to music, store information, solve sums etc., on a computer. It can work very fast and can do many jobs at the same time.
2. **HARDWARE**-The physical parts of a computer that we can touch or feel are called Hardware.

As we already know, a human body consists of different parts. The outer parts of a body can be seen, whereas, the parts, like brain, lungs, heart etc., which are inside, cannot be seen. Similarly, in a computer, we can see only those parts of the hardware that are outside, e.g., monitor, keyboard, etc.

They are attached to the CPU by cables. Some parts of hardware are inside the CPU. We can see them when we open the body of a CPU box, e.g., Hard disk, CPU chip, etc.

MAIN PARTS OF A COMPUTER- A computer has the following four main parts, that help in performing the IPO (Input-Process-Output) Cycle.



Monitor- A monitor looks like a TV screen. It displays the work that we do on a computer. It also displays the movement of the mouse pointer on the screen. A monitor is also known as VDU (Visual Display Unit). The information that we see on a monitor is called soft copy.

CPU (Central Processing Unit) - It is the brain of a computer that processes all the instructions given to the computer. It also stores a lot of information.

A CPU is made up of three main parts. They are:-

1. **MU (Memory Unit)**
2. **CU (Control Unit)**

3. ALU(Arithmetic and Logical Unit)

Keyboard – A Keyboard is used to type data and instructions into the computer .The commonly used keyboard has 104 keys which can be divided into many groups based on their functions.

Mouse – A mouse is a pointing device. It is connected to the CPU by a cable. A mouse usually has two buttons on it. It is used to point, select, and move any object on the screen. It also helps to draw pictures.

Q.1 Answer the following in short:-

1. What is a computer?

Ans. A computer is a machine that works with data and instructions.

2. Write a short note on CPU.

Ans. A CPU is the brain of a computer that processes all the instructions given to the computer. It is made up of three main parts. They are:-

- MU (Memory Unit)
- CU (Control Unit)
- ALU (Arithmetic and Logical Unit)

Q.2 Fill in the blanks:-

1. _____ is a useful machine.
2. _____ displays the work that we do on a computer.
3. The information that we see on a monitor is called _____.
4. A _____ is used to type data and instructions into the computer.
5. _____ is the brain of a computer that processes all the instructions given to the computer.

Q.3 Write the full form of the following:-

1. VDU
2. CPU
3. MU
4. CU
5. ALU