

Good Morning Students,

Students, this lesson is for class VII, for the subject of Computer. Topic is 'Internal Hardware Components of Computer' which is covered in chapter '1'

So, I hope all the students are ready for today's lesson. Children in previous lesson we discussed few internal hardware components of computer. Today we will discuss another few internal parts of computer.

1. Disk Drive :- A disk drive is a device that reads or writes data to a disk. There are various types of disk drives like hard disk drive, CD drive etc.
2. SMPS :- SMPS stands for Switched Mode Power Supply. It is very important part of any electronic appliances or goods as it works as a stabilizer that regulates or controls the output voltage.
3. MODEM :- It stands for Modulator and Demodulator. It is a device that allows a computer to connect to the Internet. Modem converts the digital information to analog mode as computer recognize digital information and telephone signals are analog. Whereas Demodulator further converts the analog signals to digital mode. Various types of Modems are Internal Modem, External Modem and PC card Modem.

4. Heat Sink :- It is a device that is used to reduce or transfer the heat generated by the Central Processing Unit (CPU).

5. Ports :- These are used to attach external devices with the computer for transferring of data. Various types of ports are as follows :-

(i) Serial Port :- It transmits data one bit at a time over a single wire.

(ii) Parallel Port :- It transfers several bits of data together at one time.

(iii) USB Port :- It acts as a power supplier and data transfer port.

(iv) Firewire :- It is used to connect camcoders and other video equipments to the computer.

(v) Video Graphic Array :- It is used to connect monitors or projectors to computer.

(vi) HDMI :- It is used to connect high definition devices like Gaming devices and HD TVs etc.

(vii) Ethernet Port :- It is used to connect our computer with wired network.

(viii) Audio :- It is used to connect headphones, speakers, microphones etc with computer.

Students, let us start our next topic 'External Hardware Components of Computer'.

External Hardware :- As we know all the hardware parts that are attached or connected externally through ports are known as external hardware.

1. Input Devices :- The data or instructions that we give to computer are entered through input devices. In short we can say that we communicate with machine through input devices.

Few Input Devices are as follows :-

Keyboard :- One of the basic and important input device is keyboard. It consists various keys used for typing our data and instructions like alphabetic keys, numeric keys, control keys etc.

Mouse :- It is a pointing device and is a commonly used input device, mostly having two buttons used for different purposes.

Scanner :- It is used to read or scan the image or text and convert them into a digital information. Some common types of scanners are :-
Drum Scanner, Flat Bed Scanner, Handheld Scanner etc.

Children, I am ending the lesson here. We will continue our topic in next assignment. Kindly read the given assignment carefully.