



CHAPTER:- Computer –It's Components

GUIDELINES-

Dear Students

- Refer to the following content of the chapter : **Computer –It's Components**
- The notes will help you understand the concept of the lesson and complete the assignment that follows.

SUB-TOPICS-

- **Storage Devices**
- **Processing Devices**
- **Ergonomics**

Storage Devices

The storage devices enable you to store the data and information. The different storage devices are:

1. **Hard Disk** also called as hard disk drive. It is the permanent storage area of your computer.
2. **Flash drive** also known as pen drives. They are portable and light weight with the storage capacity from 512 MB to 100GB and can transfer data at a very high speed.
3. **Memory card-** It is a removable storage device that is less than 1.5 inches in height and weight.
4. **Optical Disc** - It is a storage media that consists of a flat round portable disc made of metal plastic and lacquer that is written and read by a laser.

Recordable CD , DVD Rewritable CD and DVD are also some of the storage devices.

Processing Device is the main chip in the computer which is used to process data.

CPU is the processing device of a computer. It has three units:

Arithmetic Logic Unit (ALU)

Control Unit (CU)

Memory unit (MU)

The biggest manufacturers of CPU are Intel, Pentium and Celeron.

- **Dual core processor** is a chip that contains two separate processor cores.
- **Quad core processor** is a chip with four separate processor cores.

Human ware refers to the persons who program, design or operate a computer.

Ergonomics is the study of people, their physical characteristics and the ways in which they function in relation to their working environment, the furnishings and the machines they use.

- 1) **Monitor placement**- The top edge of a monitor should be at eye level or slightly lower than that.
- 2) **Avoiding Wrist Strain**
- 3) **Posture** - When you are seated your feet should be flat on the floor and you should not lean forward or slouch in your chair.

Some problems that affect us :

Carpal Tunnel Syndrome (CTS)- This condition affects people who type without proper rest support for long periods of time without breaks.

Computer Vision Syndrome (CVS) is a technology related health condition that affects the eyesight of a human.

Technology Addiction occurs when some technology users become obsessed with Computers, Mobile Devices and Internet and it consumes their entire social life.

Please refer to the link and look at the video twice for better understanding of concepts explained above:

<https://www.youtube.com/watch?v=T8qGO7XQQUw>

Assignment

Q-1) Give the full forms for the following:

- a) CD
- b) CPU
- c) ALU
- d) CU
- e) CTS
- f) CVS

Q-2) Write any three healthy habits you should follow while using a computer.

Q-3) What is the use of storage device?

Q-4) What do you understand by technology addiction?