

CHAPTER 2

INSIDE THE CPU

CPU is a processing unit of the computer system. There are the different parts of the CPU , commonly known as the CPU CASE or CABINET. It is a box like structure.

INTEL is the most popular company which manufactures the CPU chip. This CPU chip is fitted inside the CPU CASE.

➤ Parts of the CPU

CPU Consists various parts such as ---

- SMPS FAN
- RAM
- HARD DISK
- MOTHER BOARD
- MICROPROCESSOR CPU CHIP

➤ CPU case is designed with Three main Units ----

- ALU UNIT : It performs all mathematical calculations.

- CONTROL UNIT : It controls all the activities which are done by the computer system.

- MEMORY UNIT : It contains primary memory or main memory such as ROM (READ ONLY MEMORY) and RAM (RANDOM ACCESS MEMORY)

CPU also contains Hard Disk in the form of secondary storage device.

- MOTHER BOARD : This board contains all the parts of the CPU.

All these parts are fitted onto the motherboard such as: Hard Disk , Microprocessor , RAM , ROM , cables etc.

- MICROPROCESSOR (CPU) : Microprocessor has CPU chip which is placed under it.

Microprocessor contains a moving fan which is fitted onto it.

- SOME MORE SECONDARY STORAGE DEVICES :



FLOPPY DISK

CD –ROM

USB – PENDRIVE

1.44 MB

720 MB

16 GB

EXERCISE

[A] FILL IN THE BLANKS

CONTROL UNIT, ALU, RAM, MOTHER BOARD, CD-ROM

- 1) _____ controls all the activities done by the computer system.
- 2) _____ is an example of the secondary storage device .
- 3) _____ does all the mathematical calculations of the computer.
- 4) _____ contains all the parts of the CPU case which are fitted onto it.
- 5) _____ is a type of primary memory.

[B] MAKE A LIST OF PARTS OF THE CPU CASE.

- | | |
|----------|----------|
| 1) _____ | 4) _____ |
| 2) _____ | 5) _____ |
| 3) _____ | |

[C] STATE TRUE OR FALSE.

1. CD-ROM is the primary memory. []
2. USB Pen drive is a part of the CPU case. []
3. ALU comes under the memory unit. []
4. SMPS fan is fitted inside the CPU case. []
5. Microprocessor is manufactured by the INTEL Company. []

[D] MATCH THE FOLLOWINGS.

COLUMN A

- i. CPU Case
- ii. CPU chip
- iii. ALU
- iv. CU
- v. CD ROM
- vi. RAM

COLUMN B

- a. controls computer's work
- b. Primary memory
- c. Secondary memory
- d. INTEL
- e. mathematical calculations
- f. cabinet

[E] Answer the followings :

1. What is CPU ?
2. Name the Company which Manufactures CPU Chip.
3. Name some components of the CPU Case.
4. Name the three Main units of the CPU Case.
5. What is Mother Board ? Name its Components.
6. Explain Microprocessor,
7. Draw the figure of the RAM , Hard Disk and the Microprocessor.



PRACTICAL JUNCTION

1. Explore all the parts of the CPU case in your lab.
2. Identify the part of the MOTHER BOARD.

CHAPTER 3

MICROSOFT WINDOWS

MS Windows or Microsoft Windows is an Operating System.

This Operating System is Developed by the company known as 'MICROSOFT'.

- **Operating System** : This is a special Software that manages all the works of the computer System.

For Example : MS – DOS , WNDOWS XP , WINDOWS 8 ,
WINDOWS 10 etc.

- **Desktop** : It is the first screen when computer starts.
- **ICONS** : These are the small pictures which appear on the Desktop.
Icons can represent folders , files , and program's shortcuts.

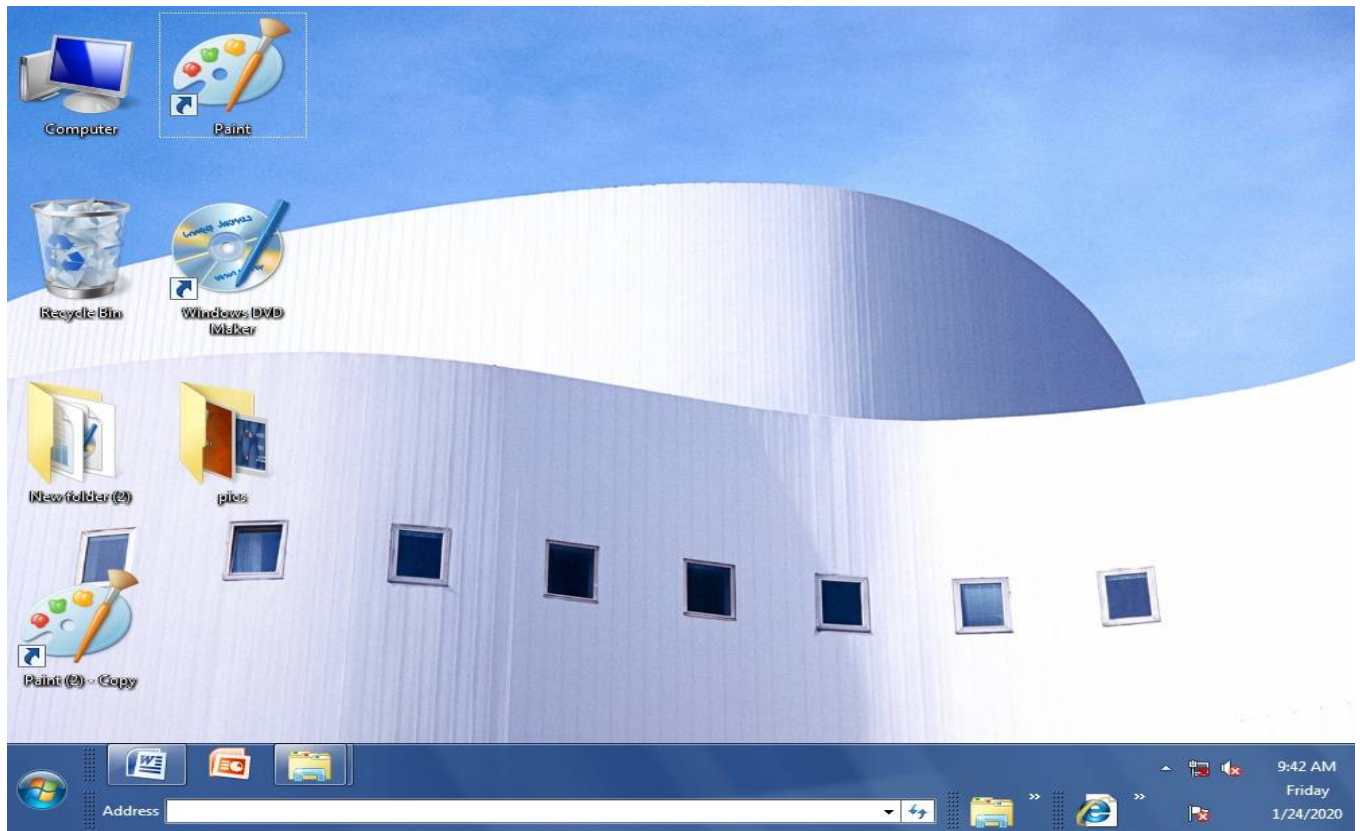


Fig 3.1 Showing the parts of the desktop.

- **Start Button** : This Button is present at the Bottom Left corner of the desktop screen.

- **Taskbar** : It is a long horizontal ruler which appears at the bottom of the desktop.
It contains all the opened programs.



Fig 3.2 Showing the Taskbar.

➤ **Icons on the desktop** :

- i. **My computer** : It contains all the Drives like C , D , E etc to store the data.



Fig 3.3 Showing the My Computer

- ii. **Recycle bin** : It is like computer's Dust Bin. Whenever we delete any items , it goes in to it.



Fig 3.4 Showing the Recycle Bin.

- iii. **My documents** : It stores all the files when we save our files by default.

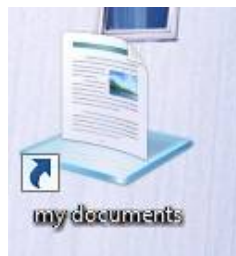


Fig 3.5 Showing the My Documents

EXERCISE

[A] FILL IN THE BLANKS.

OPERATING SYSTEM
RECYCLE BIN

START BUTTON

TASKBAR

ICONS

1. _____ is a type of Icons.
2. _____ is present at the bottom of the desktop.
3. _____ contains all the programs.
4. _____ controls all the works of the computer system
5. Small pictures on the desktop are called _____.

[B] MATCH THE FOLLOWINGS.

COLUMN A

COLUMN B

- | | |
|----------------|----------------------------------|
| i. Task Bar | a. An operating System. |
| ii. Desktop | b. An icon. |
| iii. Icons | c. first screen |
| iv. Windows | d. bottom of the desktop |
| v. My Computer | e. small pictures on the desktop |

[C] Answer the followings :

1. What is Ms Window ?
2. What is Operating System ? Name them.
3. What is Desktop ?
4. What is Icon ?
5. What is My Computer ?
6. What is My Document ?
7. What does Task-Bar contain?
8. Name some icons of the Desktop.