**Memory devices**

- used to store data

i : primary memory

1. RAM - ( RANDAOM ACESS MEMORY)

- Main memory of the system. ( volatile, temporary ), [read & write memory].

- 2 types

* S-RAM - Static/ Cache memory (stores data in form of voltage)
* D-RAM- dynamic RAM(stores data in form of Charge)

2 . ROM- ( READ ONLY MEMEORY)

- Non volatile, permanent [normally,we can’t change the data stored in ROM]

- 4 types

* PROM - Programmable read only memory

- load & store program only once

* EPROM - erasable PROM

- we can erase program through expose in uv light

* EEPROM- Electrically Erasable PROM

- erase program through electric charge

* Flash EEPROM - fast erasable, also erase a block or an entire chip

ii : Secondary memory

* Magnetic disc [ hard disc, floppy disc]

Hard disc - inside in CPU

Floppy disc-

* Optical disc [ CD,DVD..]

Iii : REGISTER

**Interface**

1. Onboard communication interface - Used for internal communication in systems

[ I2C,SPI,UART,CAN AND Parallel Bus interfaces ]

1. External communication interface- communicate with external world

[USB, BLUETOOTH, WiFi, ZigBee, RS-232C& RS-485, IEEE1394 firewire ]

**ABOUT PC**

Processor: Intel(R) Core(TM) i5-10210U CPU @ 1.60GHz 2.11 GHz

Operating system : WINDOWS 10 HOME

Memory : 8.00 GB 2666Mhz DDR4 RAM

Storage : 256GB/512GB SATA 3 SSD

INTERFACE : 2 x Type-A USB 3.1 Gen 1

1 x USB 2.0

1 x HDMI

1 x Combo Audio Jack

1 x DC-Jack

Display

Keyboard and track pad

Wireless connectivity : WLAN , BLUETOOTH