

MODULE 1:- FUNDAMENTAL OF IT

Computer:-

It is an electronic device for storing and processing data typically in binary form, according to instruction given to it in a variable program.

Full form of Computer

- C - Common
- O - operating
- M - Machine
- P - Purposely
- U - used for
- T - Technology and
- E - Educational
- R - Research

1.1> Use of Computer

Computer are playing a vital role in almost every field and making our day to day task more manageable.

Because of their characteristics and powerful functionalities computers are used in various fields such as:-

Computer Components

- Mother board
- Random Access Memory (RAM)
- Power Supply
- Cooling fan
- Hard drive
- Monitor

1.5 $\Rightarrow$ Computer Memory

- Computer Memory is a generic term for all of the different types of data storage technology that a computer may use including ~~RAM~~ (RAM) (ROM) and flash memory.

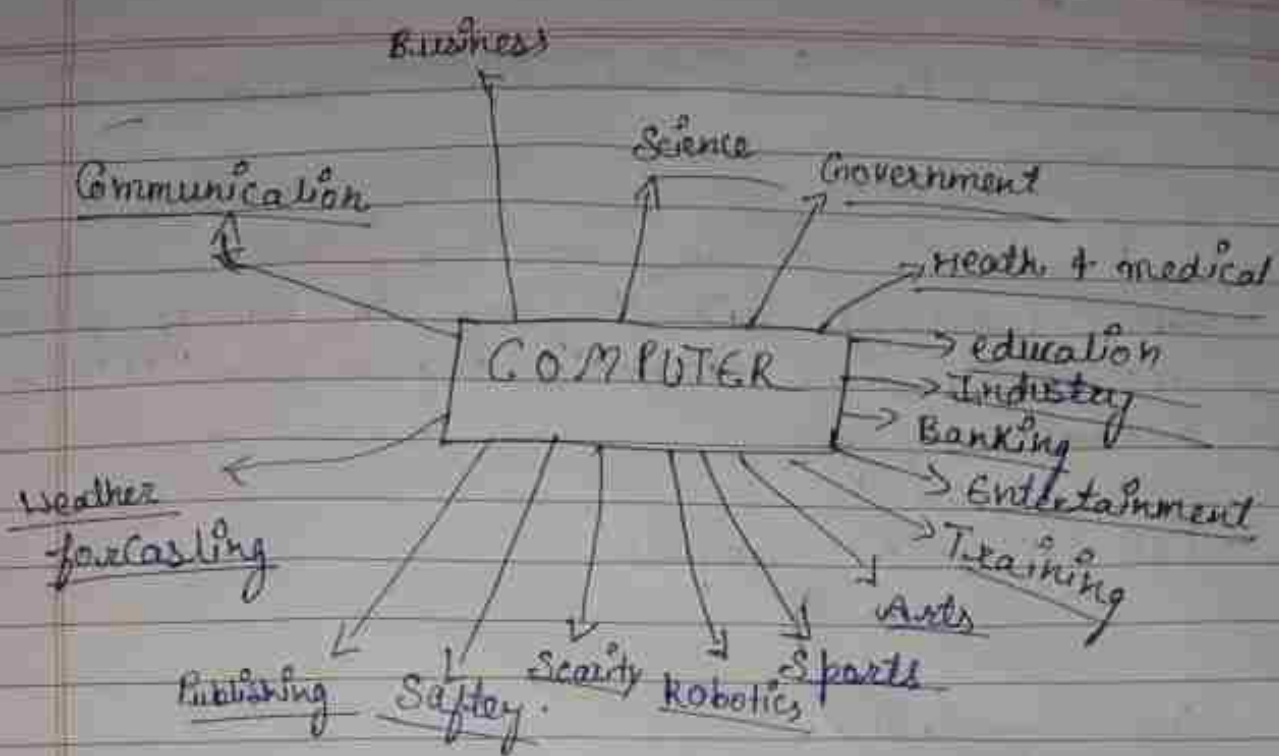
1.6 $\Rightarrow$ Devices of Computer

- | | |
|-------------|---------------|
| • Key board | • Track Ball |
| • Mouse | • Micro Phone |
| • Light Pen | • Joy Stick |
| • Digitizer | • Scanner |

1.7 $\Rightarrow$ Digital Devices

- Mobile Phone
- Tablet Computer
- Storage Devices Such as flash drives
- E-Readers

1.8 $\Rightarrow$ Mobile Phones and Tablets :-



(1.2) About Computer

A Computer is a Machine that can store and process information. Most computer work on a binary system which use two variables 0 to 1 to complete tasks such as storing data, calculating, algorithm, and displaying information.

(1.3) Basics of Computer

- ⇒ Input unit ⇒ output unit.
- ⇒ Memory unit ⇒ Control unit.
- ⇒ Arithmetic and Logical unit.

(1.4) ⇒ Various Parts of Computer Hardware

Central processing unit (CPU)
Computer processing and communication with the other.

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⇒ A ~~Mobile~~ Mobile device is a portable computing devices such as Smart Phones or Tablet Computer. These devices range in size, shape, and model and all have various operating system (O.S) and functions.

1.9 ⇒ How to Scan a document With Smart Phone;

- ⇒ 1. open the Google drive app.
 2. In the bottom right, tap Add.
 3. Tap Scan.
 4. Take a photo of the document You'd like to scan, adjust scan area Tap Crop

1.10 ⇒ Difference b/w desktop and laptop :-

Desktop	Laptop
o Connected externally externally to devices that help it to function completely	o All in one system

1.11 ⇒ operating System [O.S] :-

⇒

Soft Ware

USERS



Operating System ← System application Software



CPU-RAM-I/O

Hard Ware

1.12 > > operating system and features of Mobile Phone:-

⇒ • Memory ~~Managment~~ Management

• Device Management

• Security

• Process Management / CPU Scheduling

• File management

• Error detection etc.