

Module 1: Fundamental of IT

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

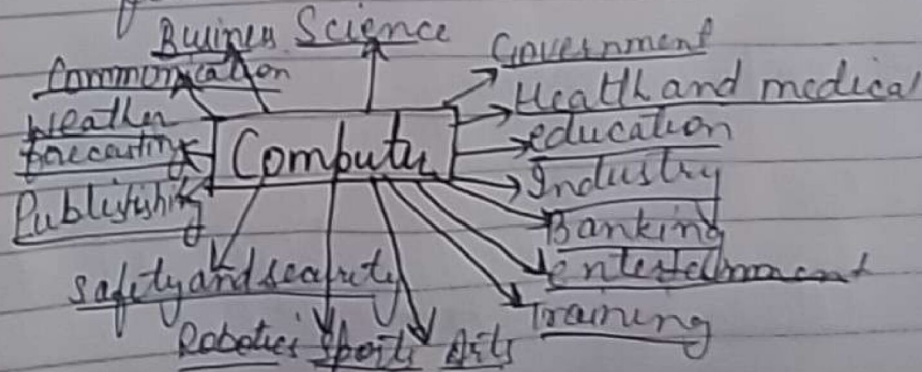
Full form of Computer's

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 tasks more manageable.

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



★ About Computer

A computer is a machine that can store and process information. Most computers run on a binary system which use two variables 0 & 1 to complete task, such as storing data, calculating algorithm and displaying information.

1.3 Basics of computers: →

- Input unit
- Memory unit
- Arithmetical and logical unit
- Output unit
- Control unit

1.4 Various parts of Computer:- Hardware

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

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

1.5 Computer memory

- Computer memory is a generic term for all of the different types of data storage technology that a computer may

Desk top

→ connected externally to devices that help it to function completely

laptop

all in-one system

1.1. Operating system (OS) :-

Software

Users

Operating system

System applications
Software

Hardware

CPU - RAM - I/O

1.2. Operating system and features of mobile phone :-

- Memory management
- Device management
- Security

- Process management / CPU Scheduling
- File management
- Error detection & correction