COMPUTER FUNDAMENTALS

(Introduction of computer)

Ten Day

1. MOTHER BOARD

The motherboard is the main circuit board of a computer. All computer components or Parts attached to the motherboard via cables. A motherboard provides the electrical connections by which the other components of the system communicate. For Ex. Keyboard, Mouse, Processor etc.

2. SMPS

SMPS stands for Switched-Mode Power Supply. It is an electronic power supply that uses a switching regulator to convert electrical power. Its job is to convert wall-voltage AC power to lower voltage DC power. Most computer chips in modern computers require power 1.2-3.3V, with some older devices requiring between 5-12V DC.

3. MONITOR

A monitor is an electronic output device that is also known as a video display unit (VDU). It is used to display images, text, video, and graphics information generated by a connected computer.

There are Four types of Monitor:-

(1) CRT, (2) LCD, (3) LED, (4) TFT

**CRT
(Cathode Ray Tube)**
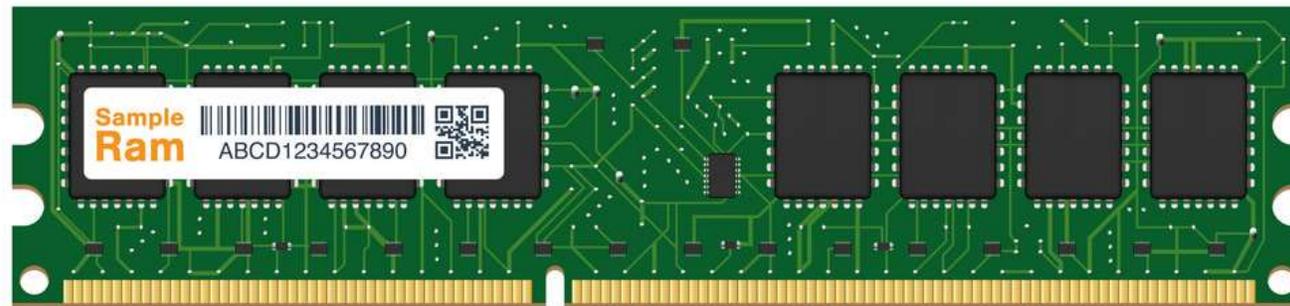
**LCD
(Liquid Crystal Display)**

**LED
(Light-emitting diode)**

**TFT
(Thin Film Transistor)**

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4. RAM

RAM stands for Random Access Memory. It is the internal memory of the CPU in the form of a hardware device located on the motherboard of a computer.

RAM

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5. PROCESSOR (CPU)

A Central Processing Unit is also called a processor, central processor unit, or microprocessor. performs all the basic arithmetical and logical operations. It is also known as a brain of the computer.

intel

intel Core 2 Duo

intel Core i3

intel CORE i5

intel Core i7

intel CORE i9

6. MOUSE

A mouse is a small hardware input device used by hand. It controls the movement of the cursor on the computer screen and allows users to move and select folders, text, files, and icons on a computer. A mouse has three buttons, left, right and scrolling buttons

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7. KEYBOARD

Keyboard is a set of keys that enables you to enter data into computer. It is the main input device of the computer. It has many keys 101, 104,105 etc. Which can be pressed to make characters like numbers, letters or symbols appear on the screen.

Type of Keyboard

(1) Normal, (2) Flexible, (3) Multimedia, (4) Typing Specialist

Hard Disk

Floppy Disk

CPU Fan

Cabinet