



# VIDYA BHAWAN BALIKA VIDYAPITH

SHAKTI UTTHAN ASHRAM, LAKHISARAI

INFORMATION TECHNOLOGY FOR CLASS 11

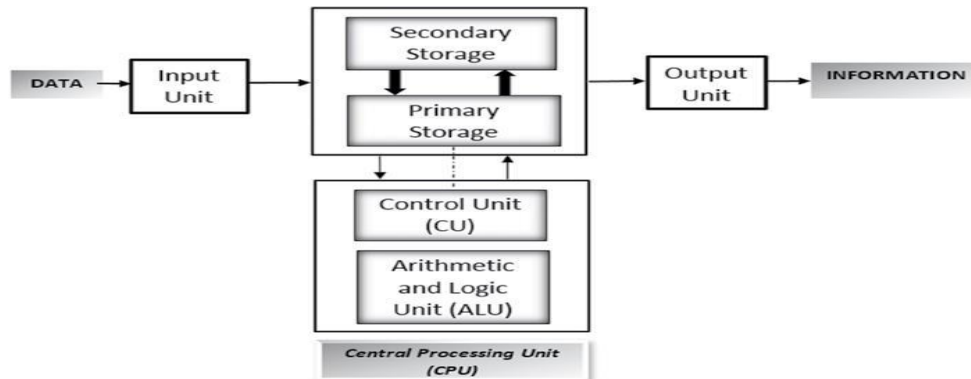
(Study materials based on N.C.E.R.T)

RAUSHAN DEEP

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## CHAPTER -1 : COMPUTER ORGANIZATION & OS: USER PRESPECTIVE

### REVISION



### **BLOCK DIAGRAM OF A COMPUTER**

To understand the functionality of a computer you need to understand the process of task execution. Some steps are to be performed by definition

- ❖ **Input Unit:** - To initiate the process, the computer needs to be problem to be solved. A set of instructions and data is provided through the input devices such as a keyboard and mouse. A set of instruction provided to the computer for doing a task is called a program.
- ❖ **Storage Unit:** - Input Unit received a input from keyboard and mouse when stored in the computer memory, called random access memory (RAM). It is also called main memory, primary memory or working memory of the machine. All the inputs, the intermediate results of computation carried out, and the final result are stored in the memory of the computer. The computer also has another form of computer called secondary memory. In other word we can say that program and data not currently required are stored in secondary memory. It comes in the forms such as a hard disk, pen drive, and CDROM.
- ❖ **Control Unit:** - Any program to be executed is managed by the control unit of the computer. This entails deciding the address from which the instructions to be executed is to be picked up, the memory location where the data or intermediate results is to be stored, etc.
- ❖ **Processing Unit:** - Inputs provided the user is processed by the central processing unit as per the specified instructions. The result of the processing is then either directed to the output devices or to a memory location for storage.
- ❖ **Output Unit:** - Any input data from user with the help of keyboard and mouse by the central processing unit as per the instruction performed by the computer, then after directed to the display service such as the monitor or printer, the computer may output music or video.

**RAUSHAN DEEP**

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