**Basics of computer**

* 1. **INTRODUCTION**

**In this lesson we present an overview of the basic design of a computer system are organized and various operation performed to perform a specific task. You would have observed that instruction have to be feed into the computer in a systematic order to perform a specific task. Computer components are divided into two major categories, namely, hardware and software. In this lesson we will discuss about hardware, i.e., the machine itself and its connected devices such as monitor, keyboard, mouse, etc., as well as software that make use of hardware for performing various functions.**

* 1. **OBJECTIVES**

**After going through this lesson you would be able to:**

* **Explain basic organization of computer system.**
* **Explain different types input and output devices.**
* **Define software and its classification.**
* **Distinguish between system software and application software.**
* **Describe computer language and its classification.**
  1. **WHAT IS A COMPUTER?**

**Computer is a device that transfers data into meaningful information. Data can be anything marks obtained by you in various subjects. It can also be name, age, sex, weight, height, etc. of all the students in the class.**

**Computer can also be defined in terms of functions it can perform. A computer can 1) accept data, 2) store data, 3) process data as desired, 4) retrieve the storage as and when required and 5) print the result in desired format.**

**The major characteristics of a computer are high speed, accuracy, diligence, versatility and storage.**

* + 1. **Computer Organization**

**The blog diagram of computer is shown in Fig. 1.1.**

Output Unit

Arithmetic Logic Unit

Control Unit

Memory Unit

Input unit

Fig. 1.1 Block diagram of computer organization