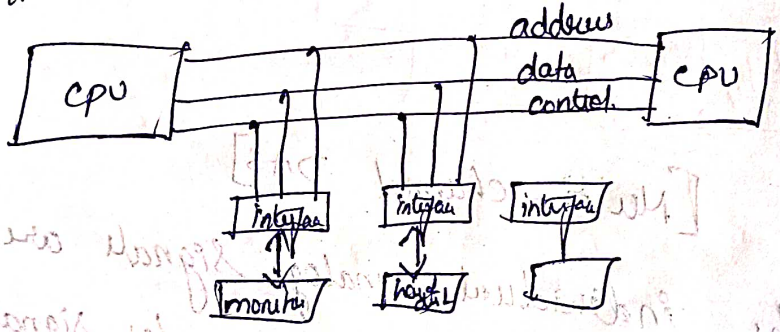
Introduction to o/p & I/p interface:

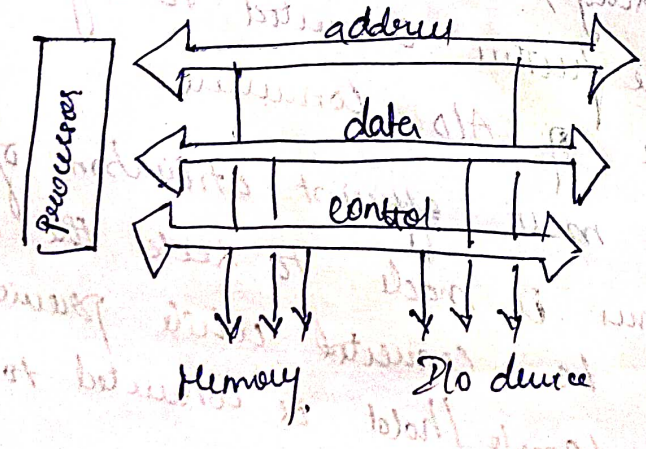
I/o Interface is used as an method which helps in transferring of information blw the internal storages devices ie., memory and the external peripheral device.

A peripheral device is that which provides i/p & o/p for the computer, it is also called i/p & o/p devices.

There is also availability of some peripheral devices which are able to provide both i/p & o/p.



Block diagram of memory & I/O Interface.



Functions of I/p & o/p interface:

1. It is used to synchronize the operating system speed with respect to i/p & o/p devices.
2. It selects the i/p - o/p device which is appropriate for the interpretation of the i/p device & o/p device.
3. It is capable of providing signals like control and timing signals.
4. In this data buffering can be possible through data bus.
5. There are various error detectors.
6. It converts serial data into parallel data & vice-versa.
7. It also convert digital data into analog sign and via versa.