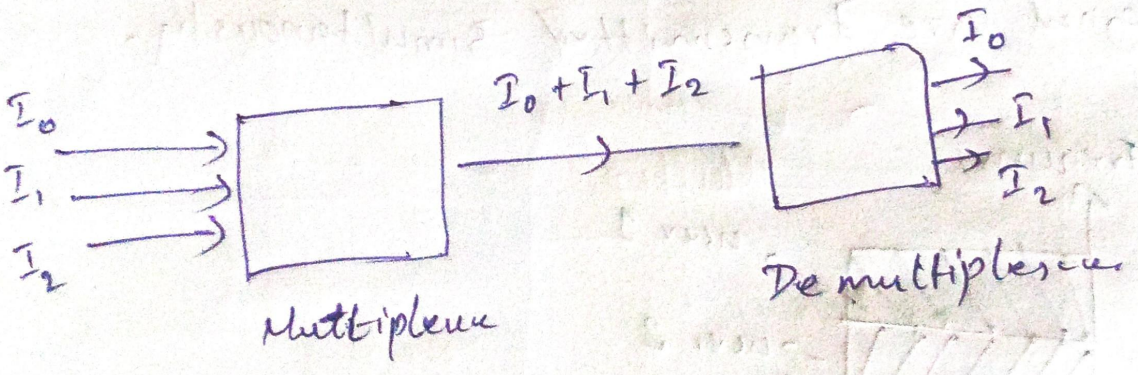
Wave Length division Multiplexing.

* Analog Technique
* Similar as Frequency division multiplexing.
* The optical signals are transmitted through the fiber cable

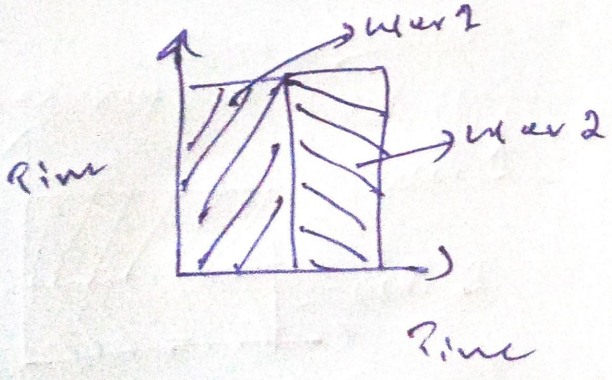
  * Frequency is very high
  * High Bandwidth
  * ~~Sender & reciver multiplexer~~



* Light can be sent by different amount based on the angle of incidence & wave length of light.

Time Division Multiplexing

* It is a digital Technique.
* Complete channel bandwidth is alloted to one user for a fixed time slot.
* It means each user can use the full bandwidth avail but for a fixed time.
* So the division is in time not in bandwidth
* Here no cross talk issue



a) Synchronous :-

Time slots are pre ~~sign~~ assign to user.

Disadvantage :-

* Capacity of user not fully utalize

b) Async:-

* Dynamically time slote allocation.

* Best when compare with Sync.