**Q1: Calculate the time for each process, define the priority?**

**Answer :**

**From this multiple interrupts figure we can see that a system has three i\o devices. When user program arrived to t=10 , the ISR sent a signal alert to the processor to interrupt (temporary) the currently executing user program code and execute printer request that has a higher priority . While printer request is being executed at = 5 , the ISR sent another signal alert to the processor to interrupt (temporary) the currently executing printer code and execute communication request , While communication request is being executed ,a disk interrupt occured ,but because it has a lower priority, the communication request completely executed at t=25 then the disk request executed and terminate at t=35 ,after that the printer request resumed and completed at t=40 ,Finally the user program resumed.**