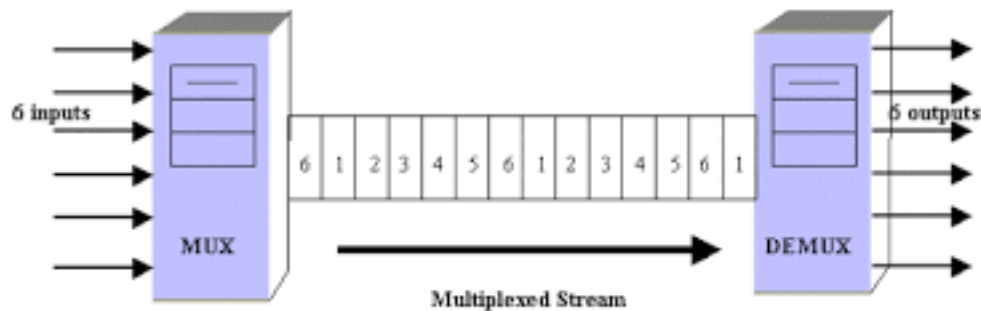


Time division multiplexing & de-multiplexing

TDM: is a method of transmitting and receiving independent signals over a common signal path by means of synchronized switches at each end of the transmission line so that each signal appears on the line only a fraction of time in an alternating pattern. This method transmits two or more digital signals or analog signals over a common channel.



- 1) Consider any two or more signals of your choice which may be sinusoidal, rectangular, triangular, ramp etc..
- 2) Transmit those signals using TDM technique.
- 3) At the receiver, Demultiplex those into separate signals. The samples from each channel are filtered to reproduce the original message signal.