Bit rate and Baud rate

- **Bit rate** is a measure of the number of data bits (that's 0's and 1's) transmitted in one second.
- ***Baud rate (signal unit/sec: baud / sec: baud)***
  - the number of signal units per second
  - less than or equal to the bit rate

Example:1

An analog signal carries 4 bits in each signal unit. If 1000 signal units are sent per second, find the baud rate and the bit rate

Sol:

- Baud rate = 1000 bauds per second (baud/s)
- Bit rate = 1000 x 4 = 4000 bps

Example:2

The bit rate of a signal is 3000. If each signal unit carries 6 bits, what is the baud rate?

Sol:

Baud rate = 3000 / 6 = 500 baud/s

END..