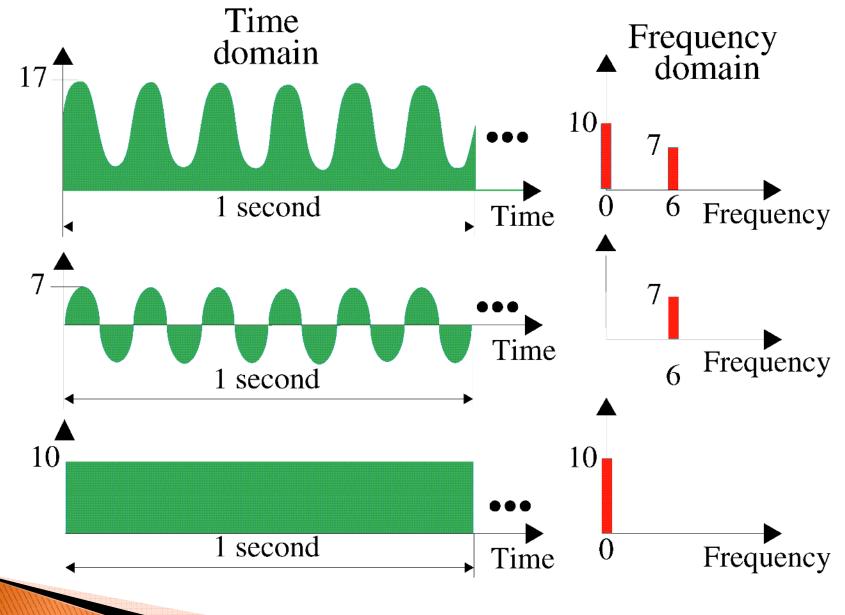
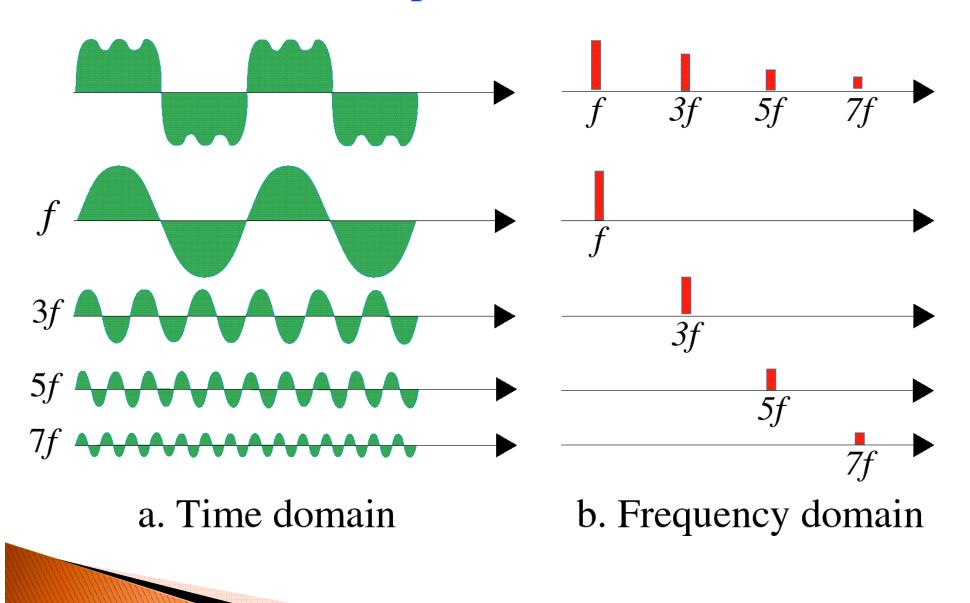
## Computer Organization and Architecture

Magi Thomas BCA

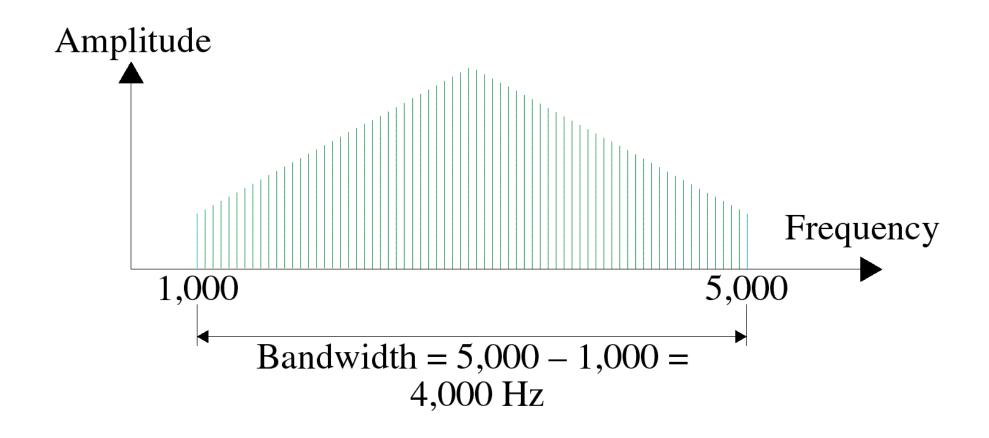
#### **Signal with DC Component**



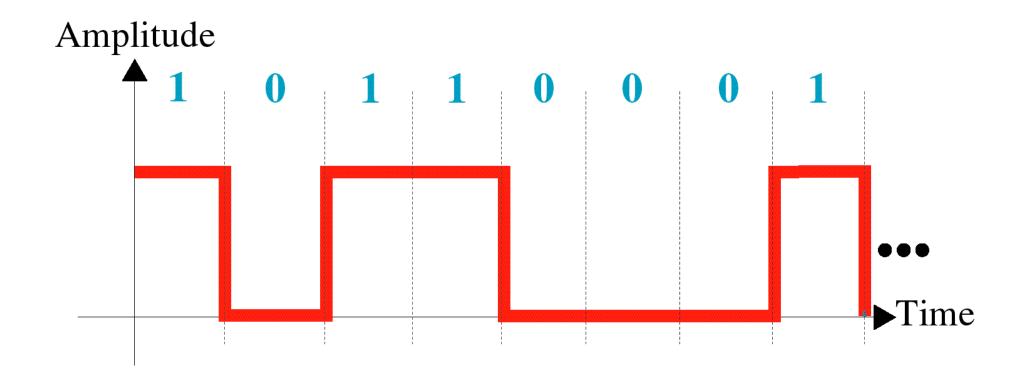
#### **Complex Waveform**



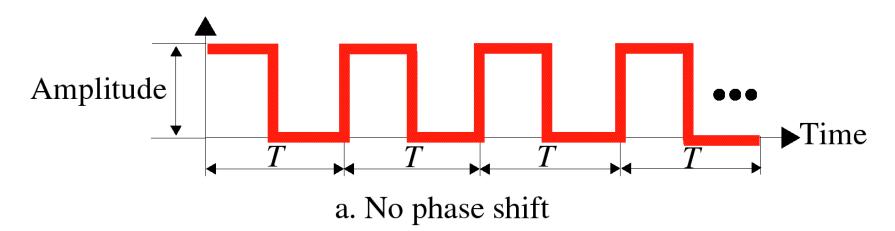
#### **Bandwidth**

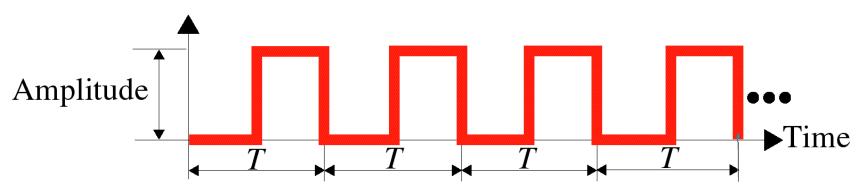


### **Digital Signal**



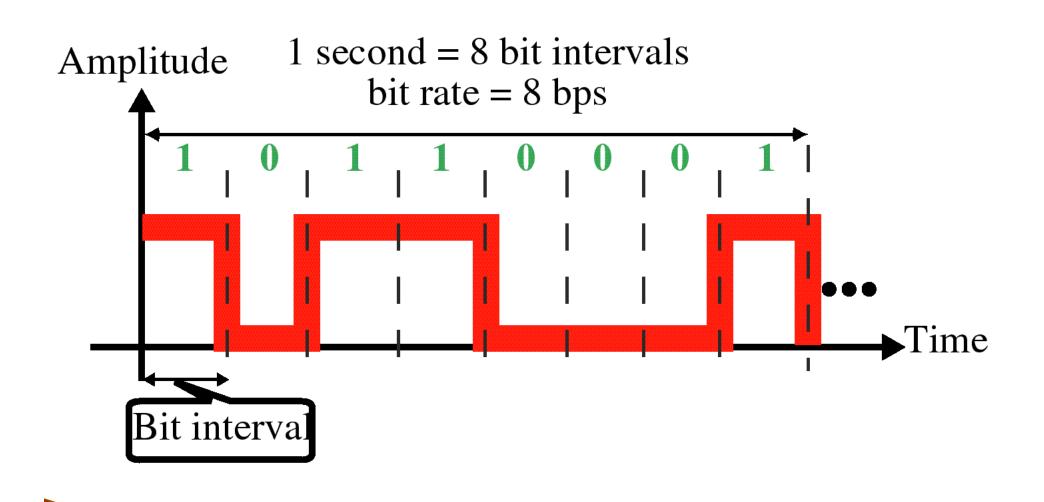
### Amplitude, Period, and Phase for a Digital Signal



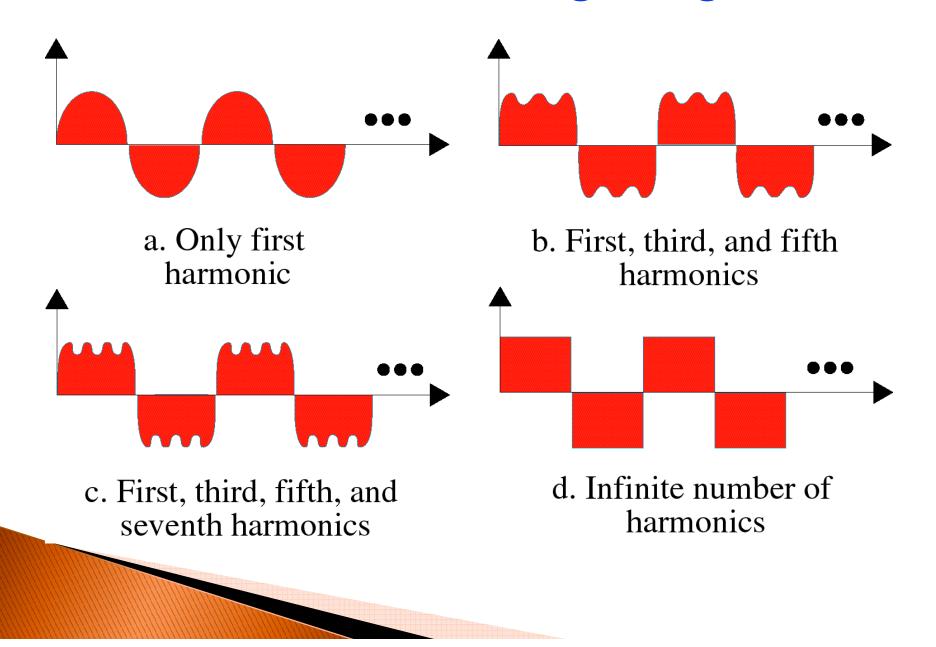


b. 180 degree phase shift

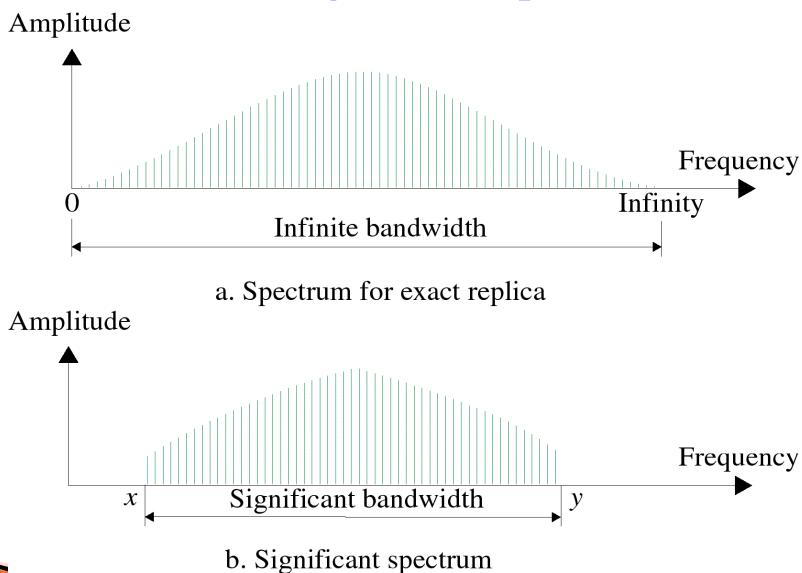
#### Bit Rate and Bit Interval



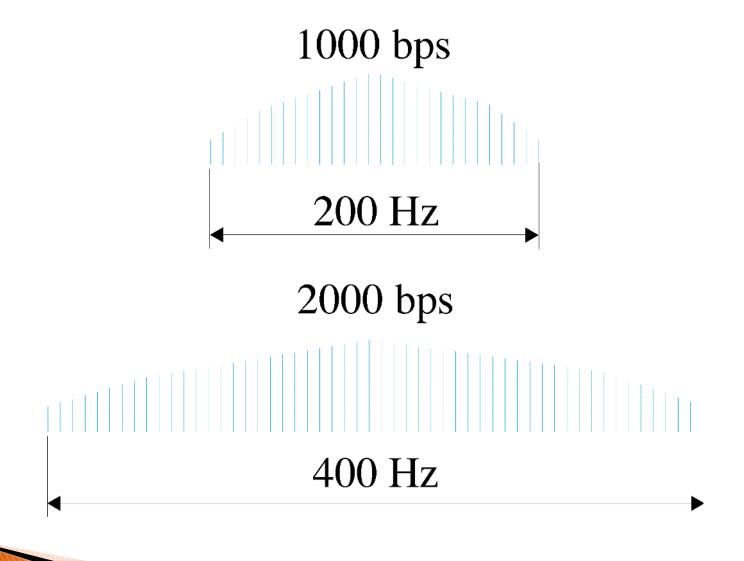
#### Harmonics of a Digital Signal



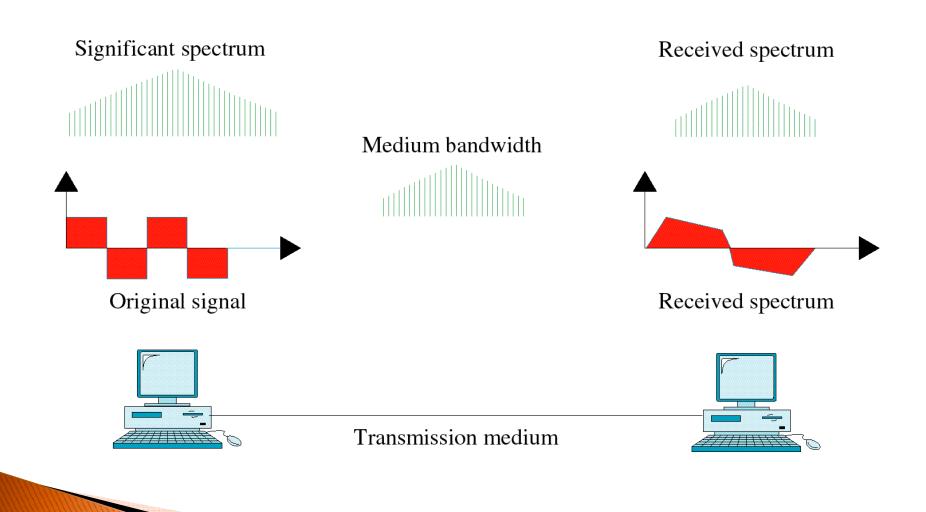
#### **Exact and Significant Spectrums**



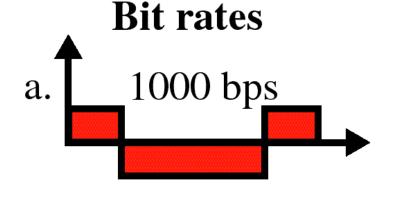
#### Bit Rates and Significant Spectrums



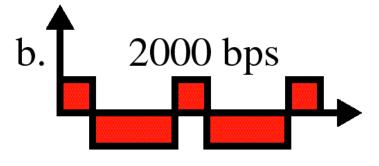
#### **Corruption Due to Insufficient Bandwidth**



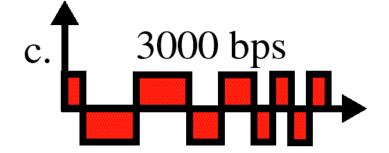
#### **Bandwidth and Data Rate**



Bandwidth = x Hz



Bandwidth = 2x Hz



Bandwidth = 3x Hz

# THANK YOU LHYMANAOO