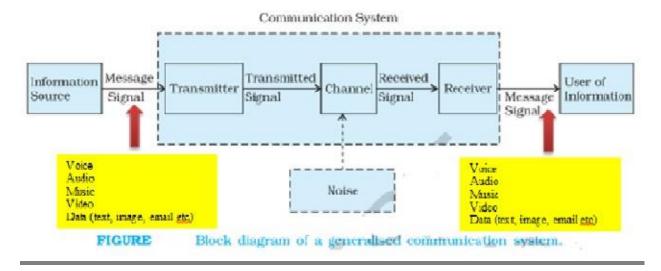


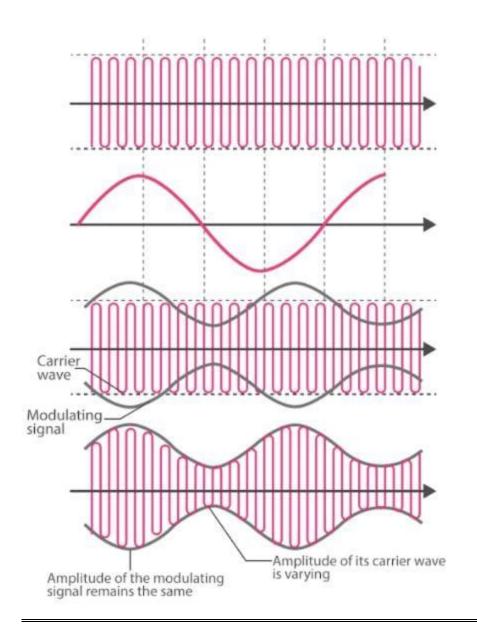
# TEACHING LEARNING MATERIAL OF ANALOG & DIGITAL COMMUNICATION

#### **ELEMENTS OF COMMUNICATION**

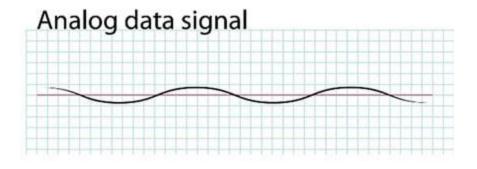


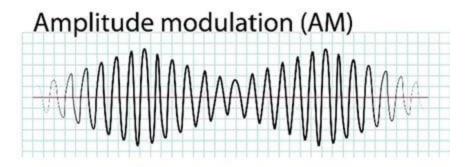
#### **BLOCK DIAGRAM OF COMMUNICATION**

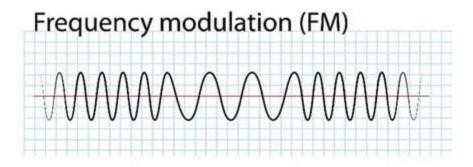




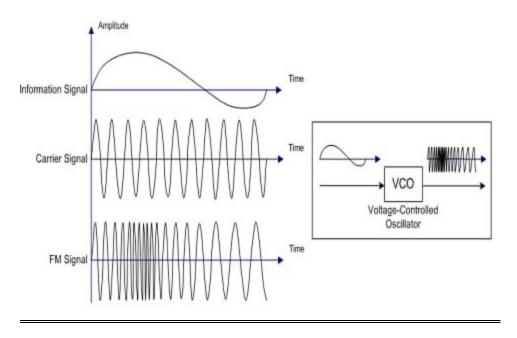
**AMPLITUDE MODULATION** 







**FREQUENCY MODULATION** 



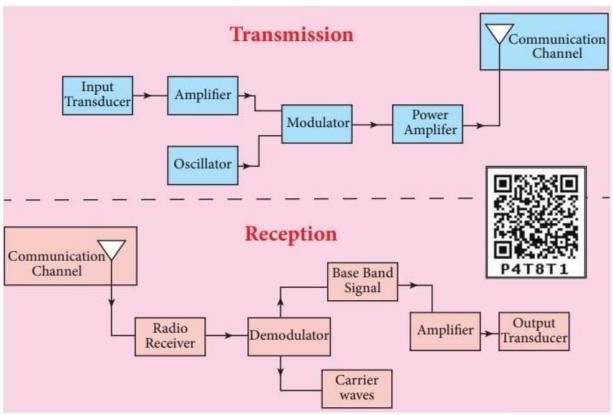
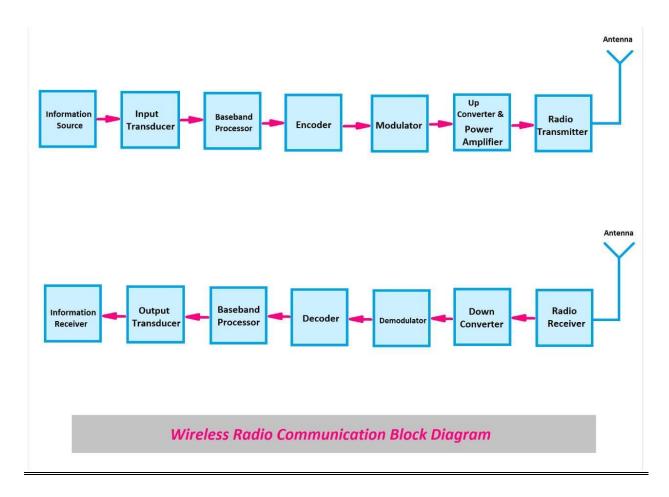
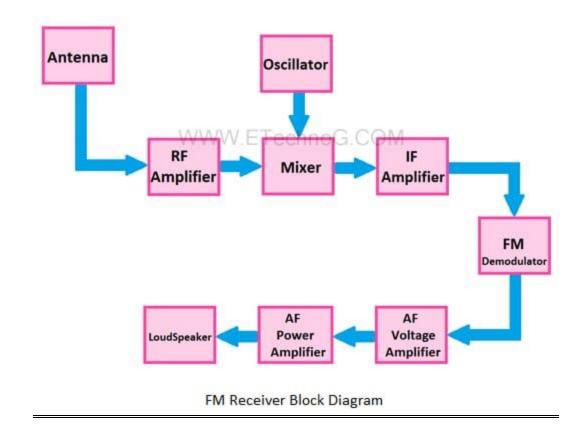


Figure 10.4 Block diagram of transmission and reception of voice signals

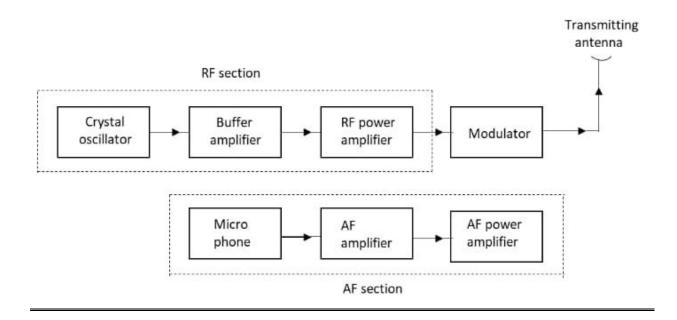
#### **TRANSMISSION AND RECEPTION**

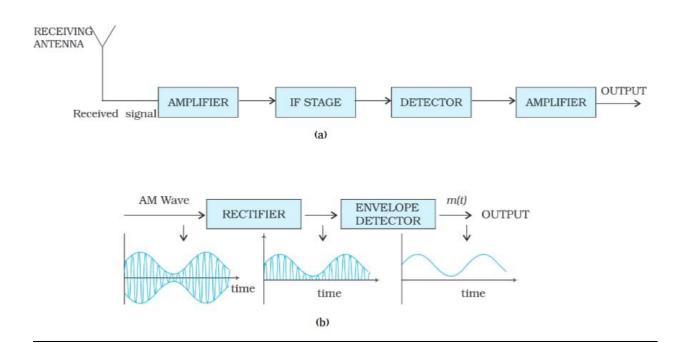


**BLOCK DIAGRAM OF RADIO COMMUNICATION** 

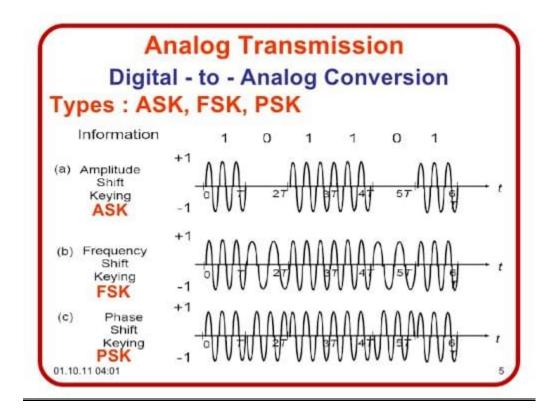


#### **BLOCK DIAGRAM OF FM RECEIVER**

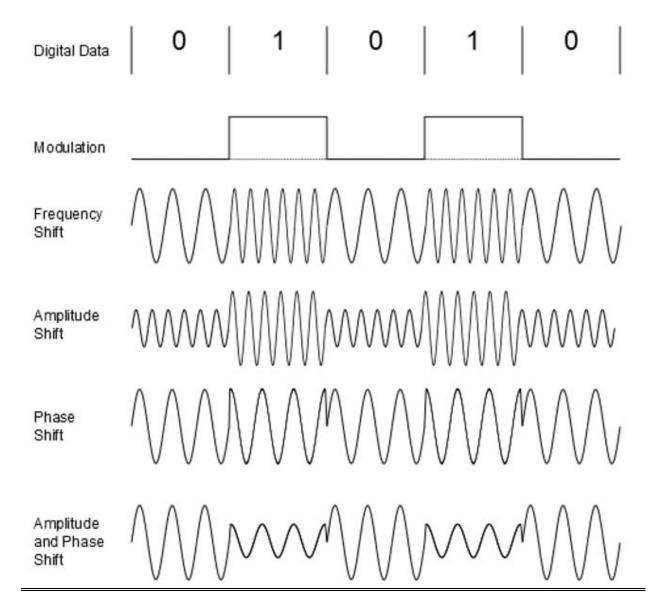


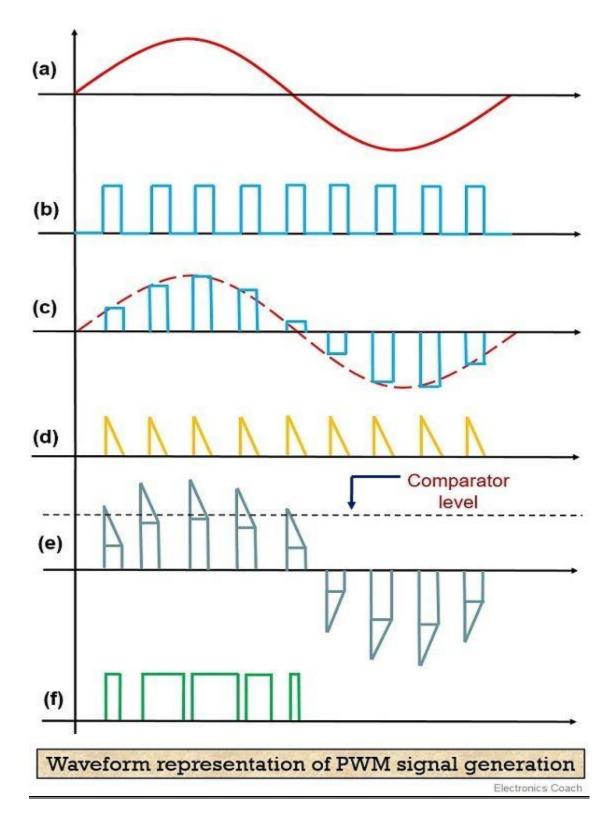


#### **BLOCK DIAGRAM OF AM RECEIVER**



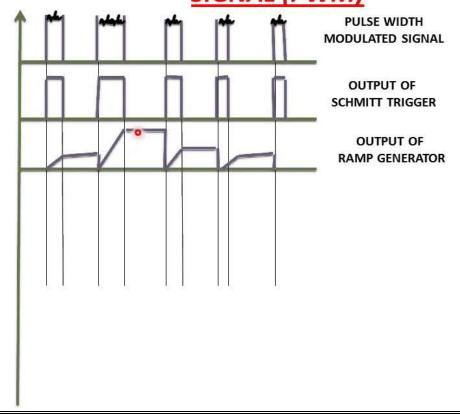
**ASK,FSK,PSK** 



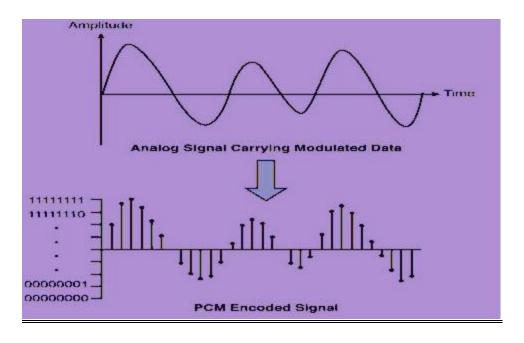


**PULSE WIDTH MODULATION** 

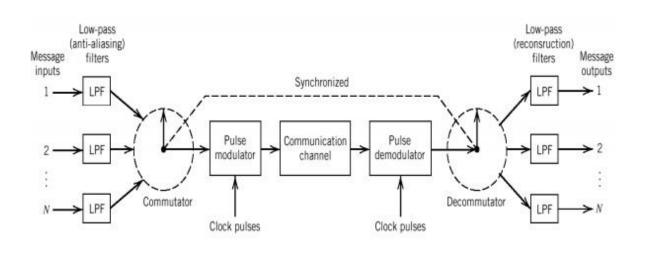
## <u>DEMODULATION OF PULSE WIDTH MODULATION</u> <u>SIGNAL (PWM)</u>



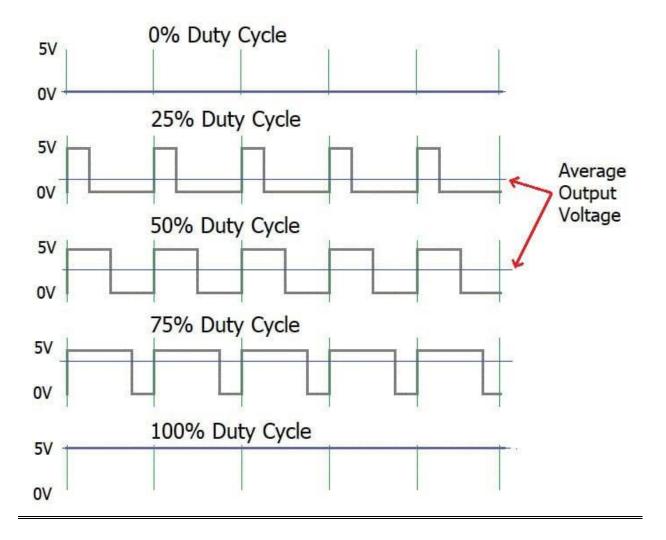
**DEMODULATION OF PULSE WIDTH MODULATION** 

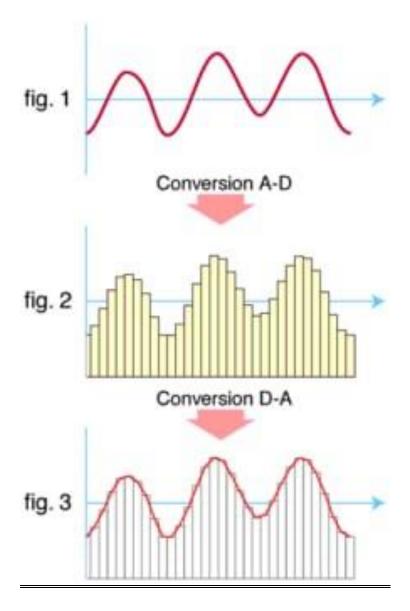


### **PULSE CODE MODULATION**



**TIME DIVISION MULTIPLEXING** 





**ANALOG TO DIGITAL CONVERSION**