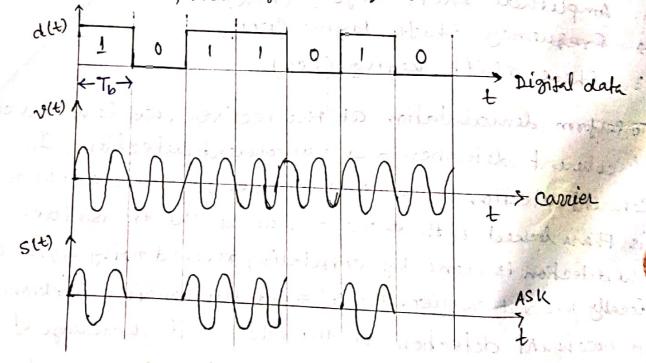
## Coherent Binary Modulation Techniques

Here we describe different coherent binony modulation techniques:

## Binary Amplitude shift keying or On-off keying (ASK or OOK)

It this method, there is only one unit energy arrier and it is switched on or off depending upon the input biray sequence. The ASK waveform may be new represented as

 $S(t) = \sqrt{2P_S} \cos(2\pi f ct)$  (To transmit 1), — ex (1) To transmit '0', the signal S(t) = 0.



## Signal space Diagram of ASK

A constellation diagram has two axis, help us define the amplitude and thase of a signal element. The horizontal x axis is related to the ing in those carrier, the vertical y axis is related to the anadrature carrier.

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