Assignment - 02
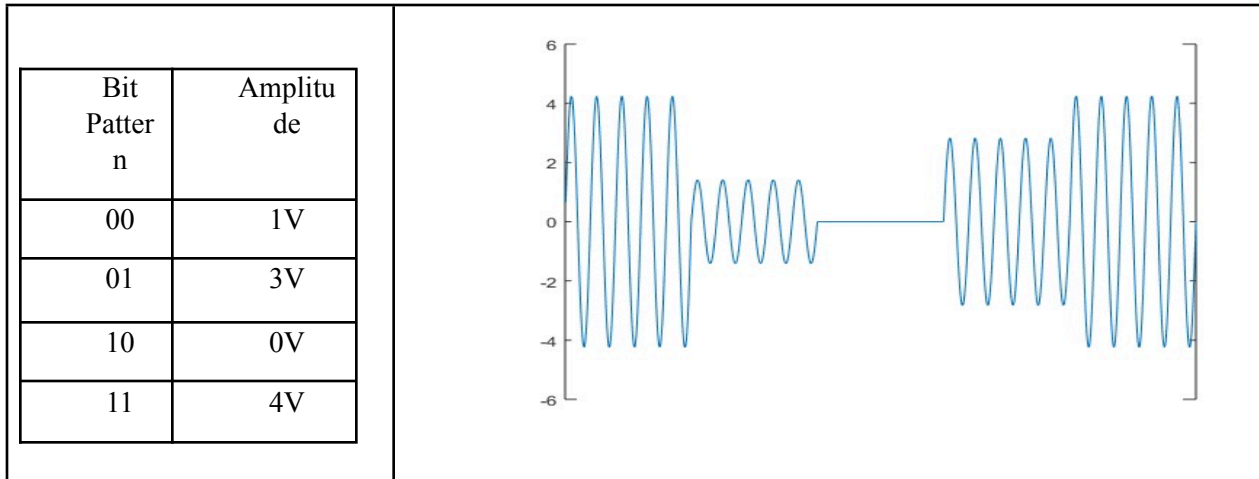# Total Marks: 30

1. For the following **Multi-level ASK**, find the bit stream from the signal below: [10]

Bit Pattern	Amplitude
00	1V
01	3V
10	0V
11	4V

2. Draw the analog signal for the digital bit stream **110100011011** using **Multi-level FSK** where 2 bits at a time get transmitted. [Amplitude of the Carrier Signal = 4V and phase = 0 rad]   [10]

Bit Pattern	Number of Cycles of the signal element
00	1
01	3
10	4
11	2
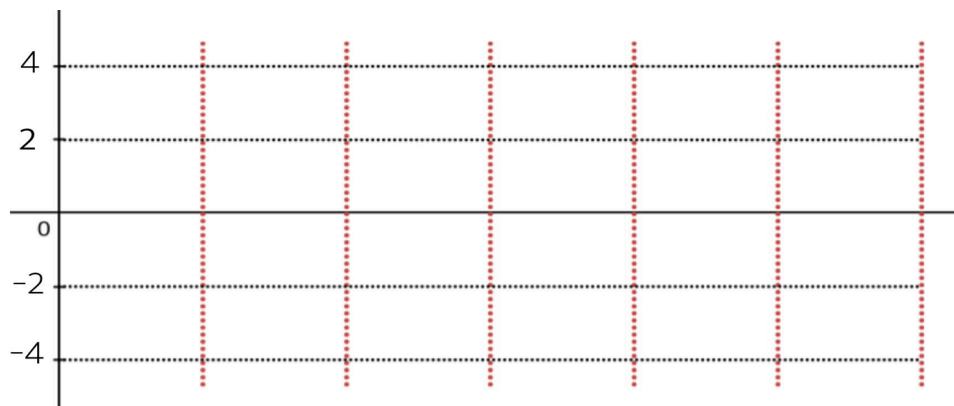
3. Draw the analog signal for the bit stream 0111001110 using the constellation diagram given below
[Frequency = 2 for each signal element]   [10]