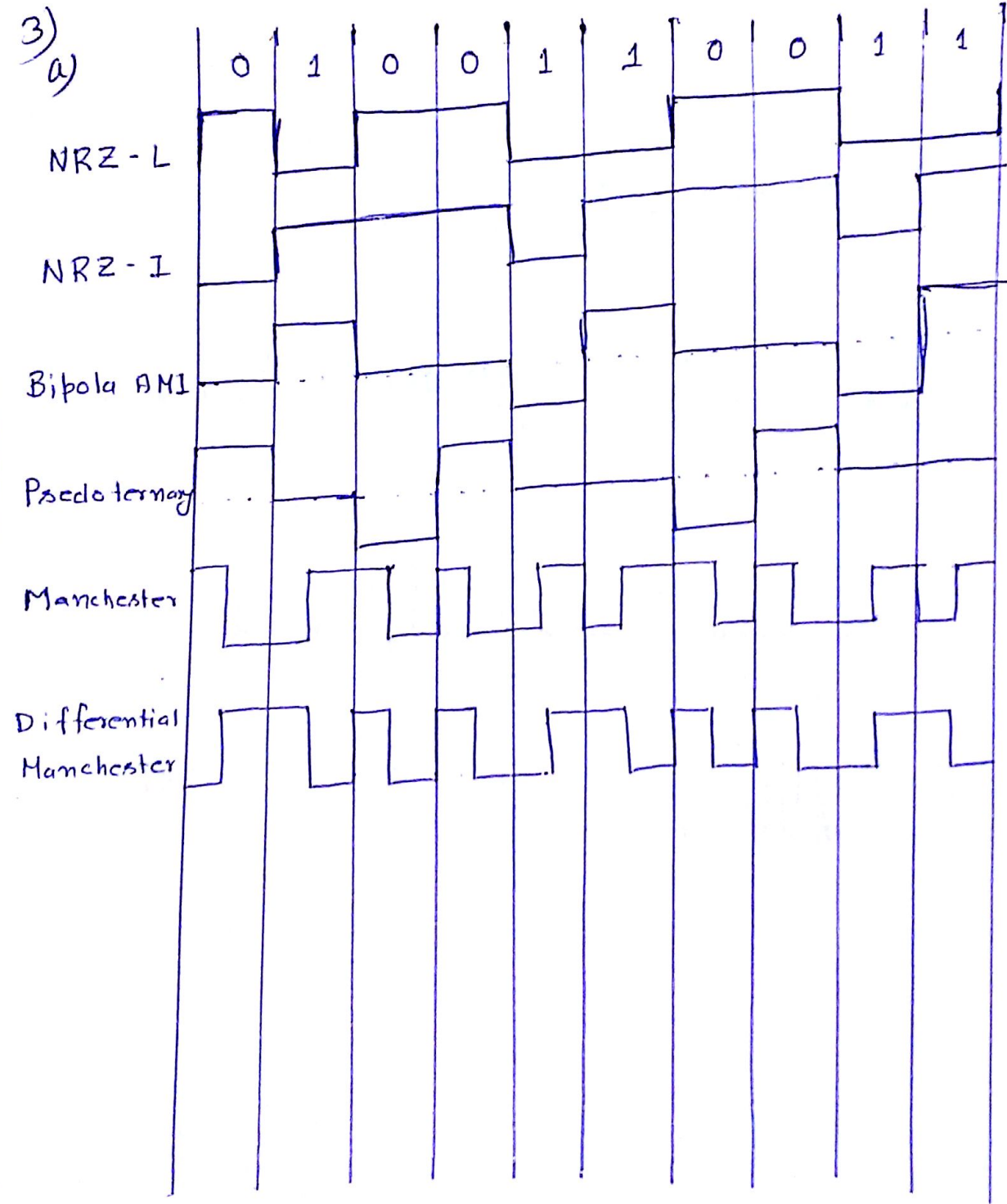
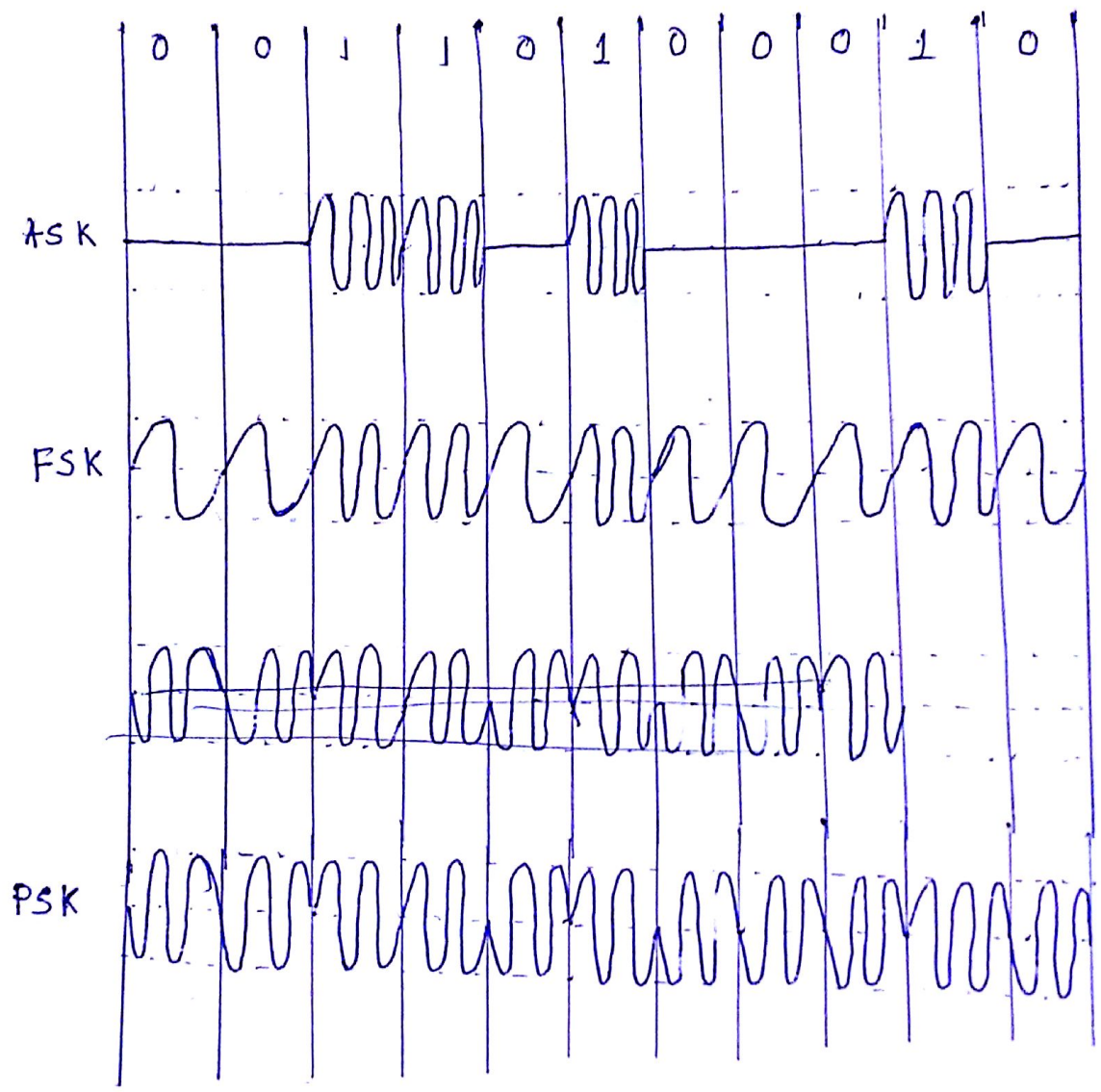


3)
a)



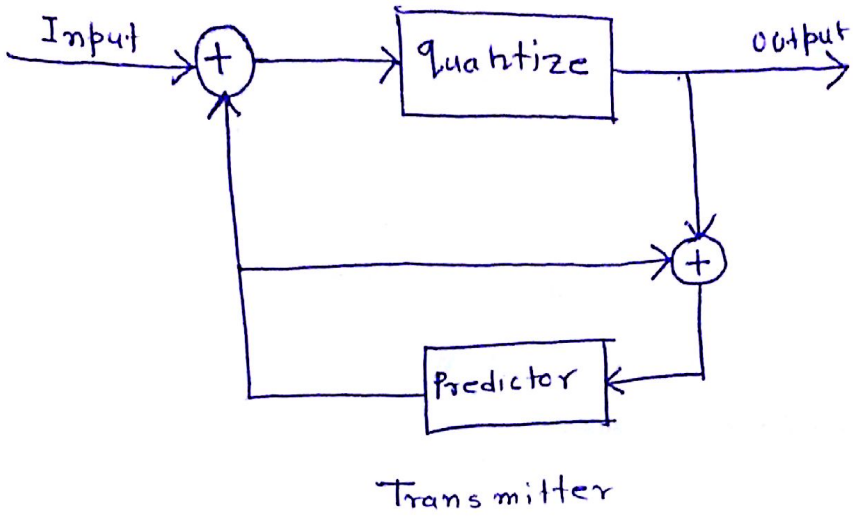
3)

b)

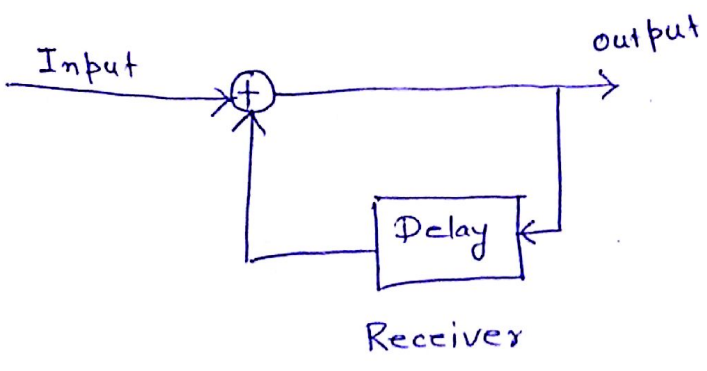


3)

d)

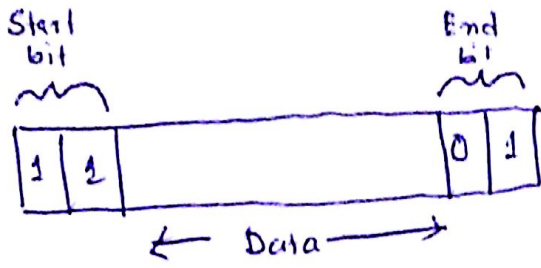


Transmitter

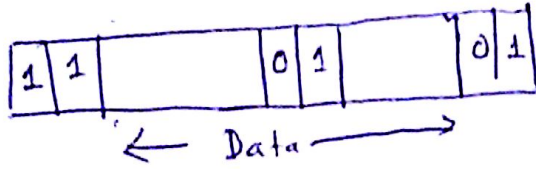


Receiver

1)
Q2



intended



↳ As data contains stop bit there will be a framing error.

4
f)

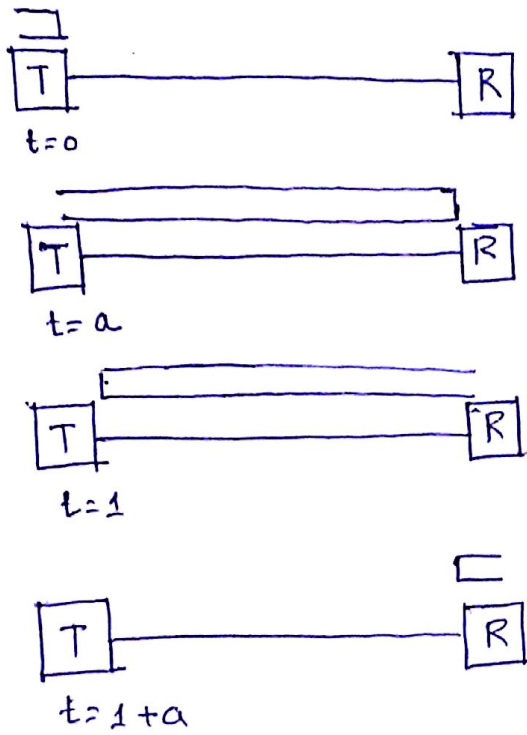
P = 110011

M = 11100011

$$\begin{array}{r} \\ \\ \hline 110011 11100011 \\ 110011 \\ \hline 00101111 \\ 110011 \\ \hline 11100 \leftarrow \text{CRC} \end{array}$$

5) 6)

$a < 1$



$a > 1$

