

Name: Abu Obayed Talha

CT: 02

ID: 17201009

Sec: A

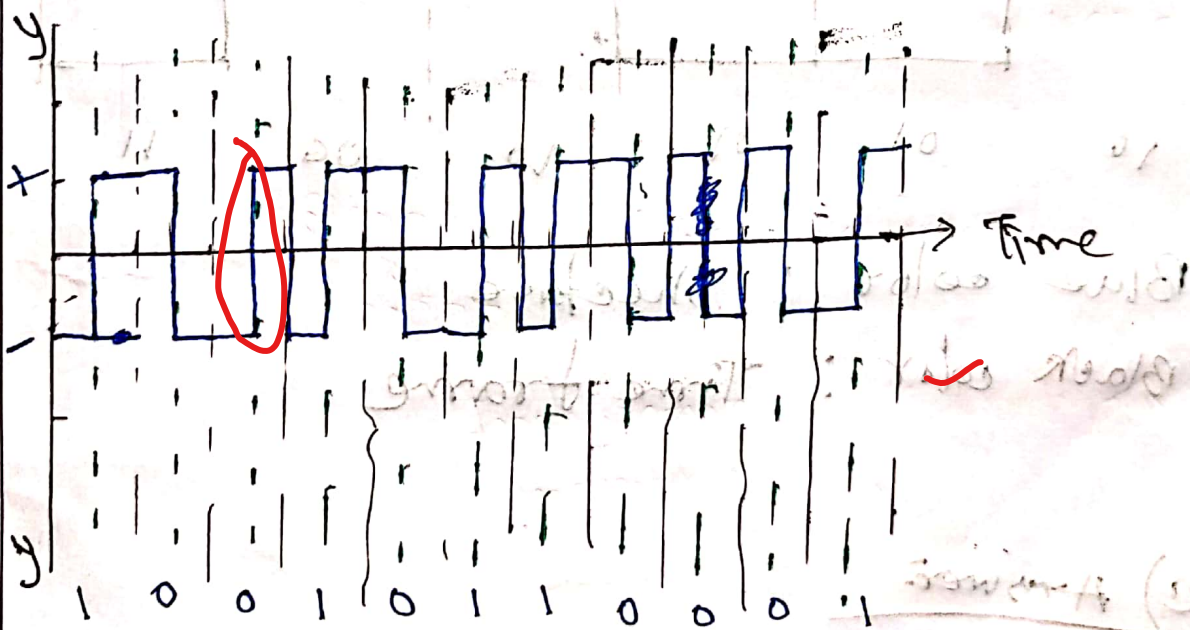
Date: 29.09.2020

Answer to the question no: 01

My birthday is 12/01/1997 so first 4 digits or  $(1201)_{10} = (10010110001)_2$

a) Manchester

Here is combined from RZ + NRZ-L



Blue color: Manchester scheme

Green colour: Middle point of time frame

Black color: Time frame

b) 2B1Q

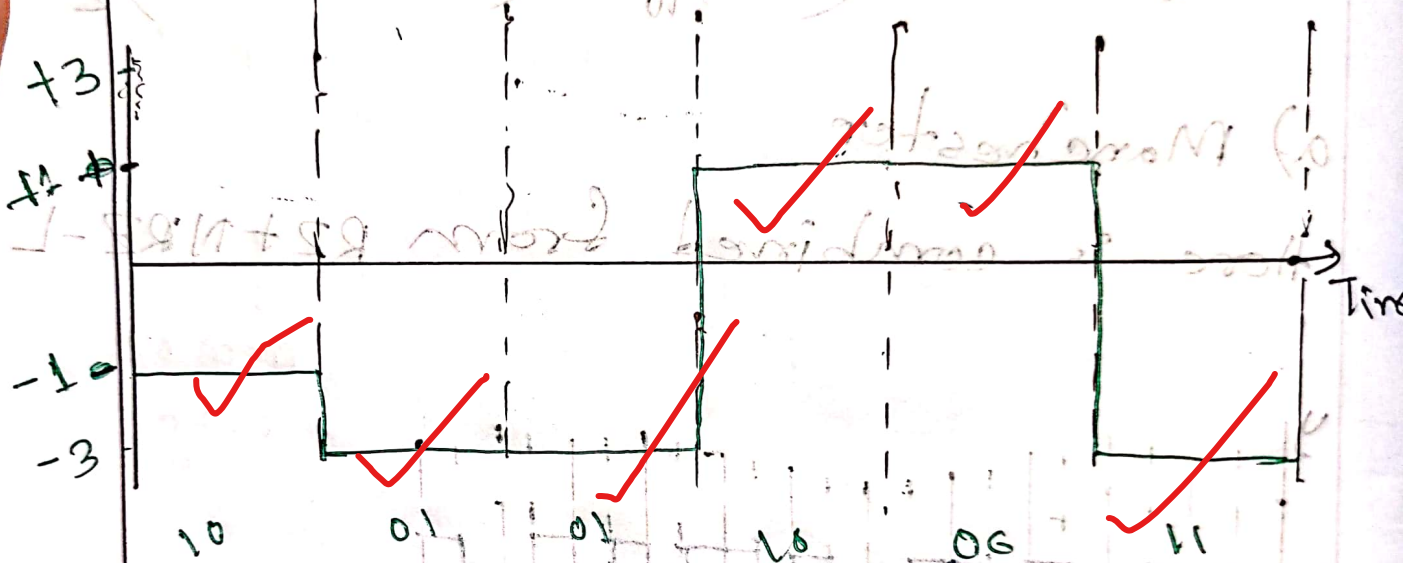
Here,

100101100011

(10001101001)

(1501)

light 1

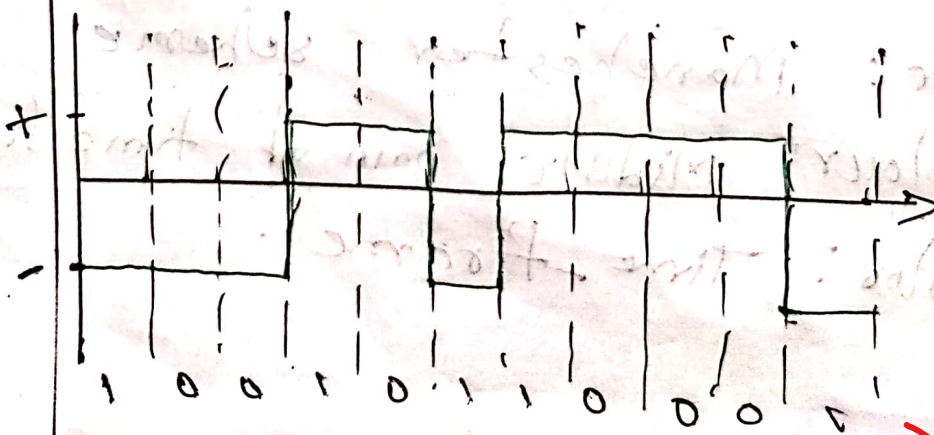


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Blue color : Shecture

Black color : Time frame

c) Answer:





3

Green color : See scheme for NRZ-I  
Black color : Time frame.

5  
b) Answer: Here Manchester is the  
better ~~seen~~ scheme among  
the three line coding schemes  
~~because it is harder all kinds of~~