

15

Id: 18101029

Ans. to the Q No: (1)

(a) My birthday is 18/10/1998

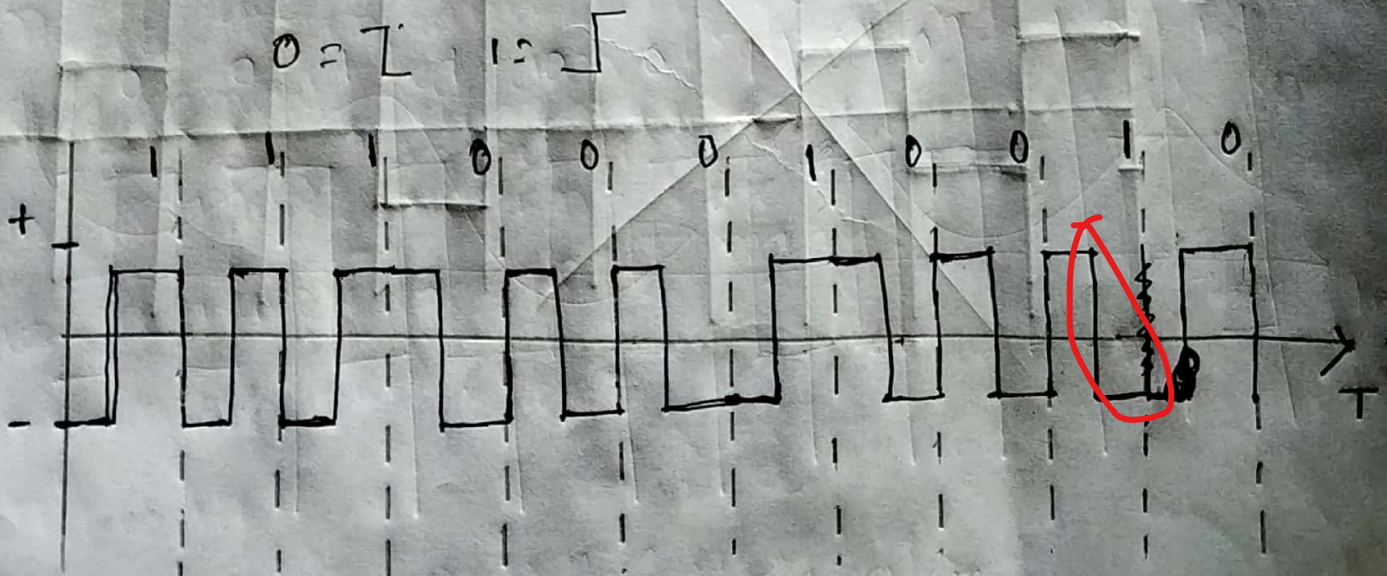
first 4 digit is 1810 and its binary representation will be,

$$(1810)_{10} = (11100010010)_2$$

My Id is odd and not divisible by 3

(18101029).

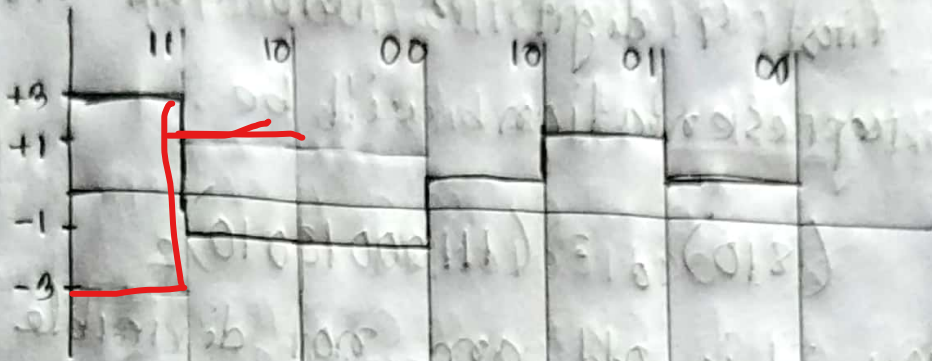
a) Manchester, bit 1: negative to positive  
bit 0: positive to negative



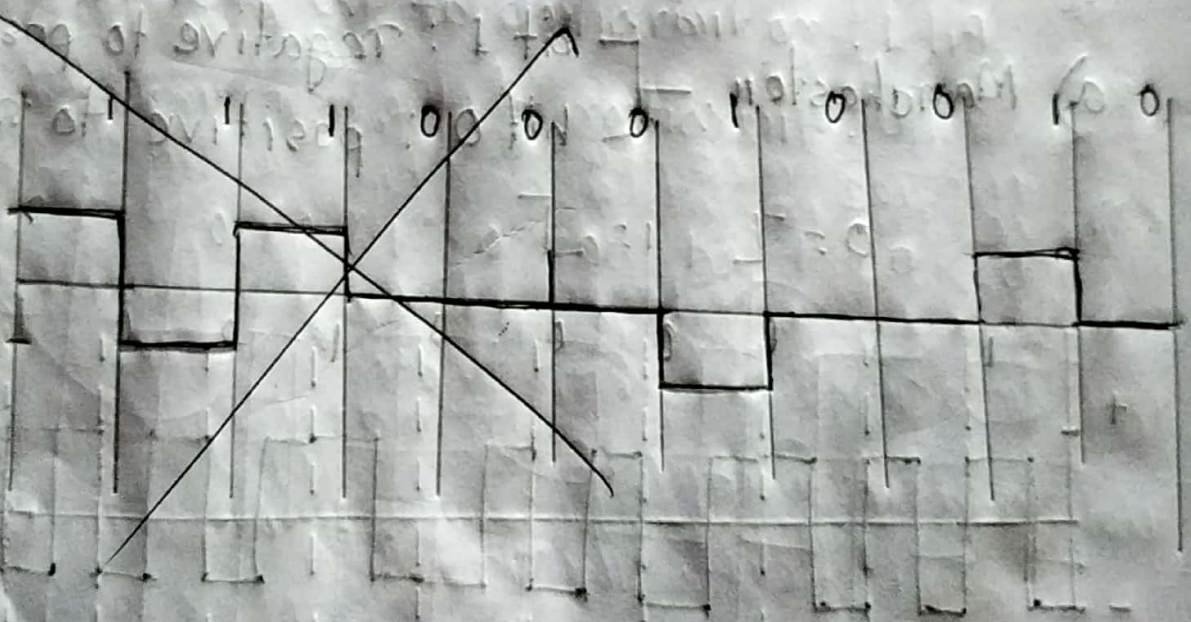


(b) 2B1Q:

11100010010



(c) AMI:





b)

among this Manchester, 2B1Q and ~~NRZ~~  
~~AND~~ NRZ-I Manchester is better than  
 2B1Q and NRZ-I. Because Manchester  
 is combination of RZ-NRZ-L. It reduce  
 almost Base wandering, ~~synchron~~  
 and ~~do~~ DC components problem also  
 help to synchronize bit.

1) ~~Q~~

NRZ-I

