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ID: 18101032 CT: 2

Sec: A

20

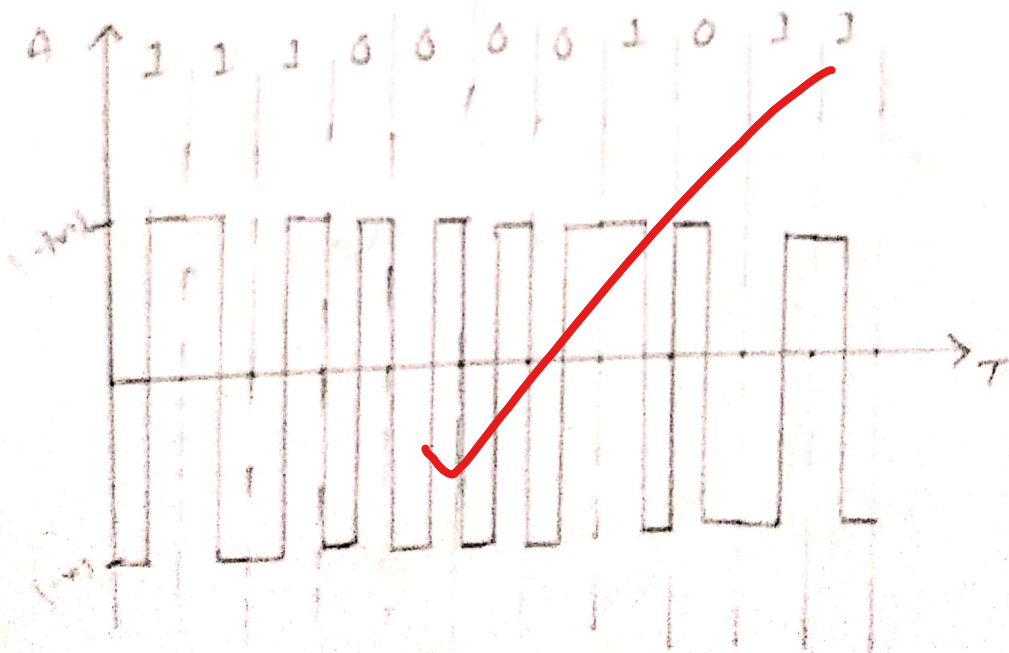
Ans. to ques. no. - 01(a)

My birthday is 18/03/1998.

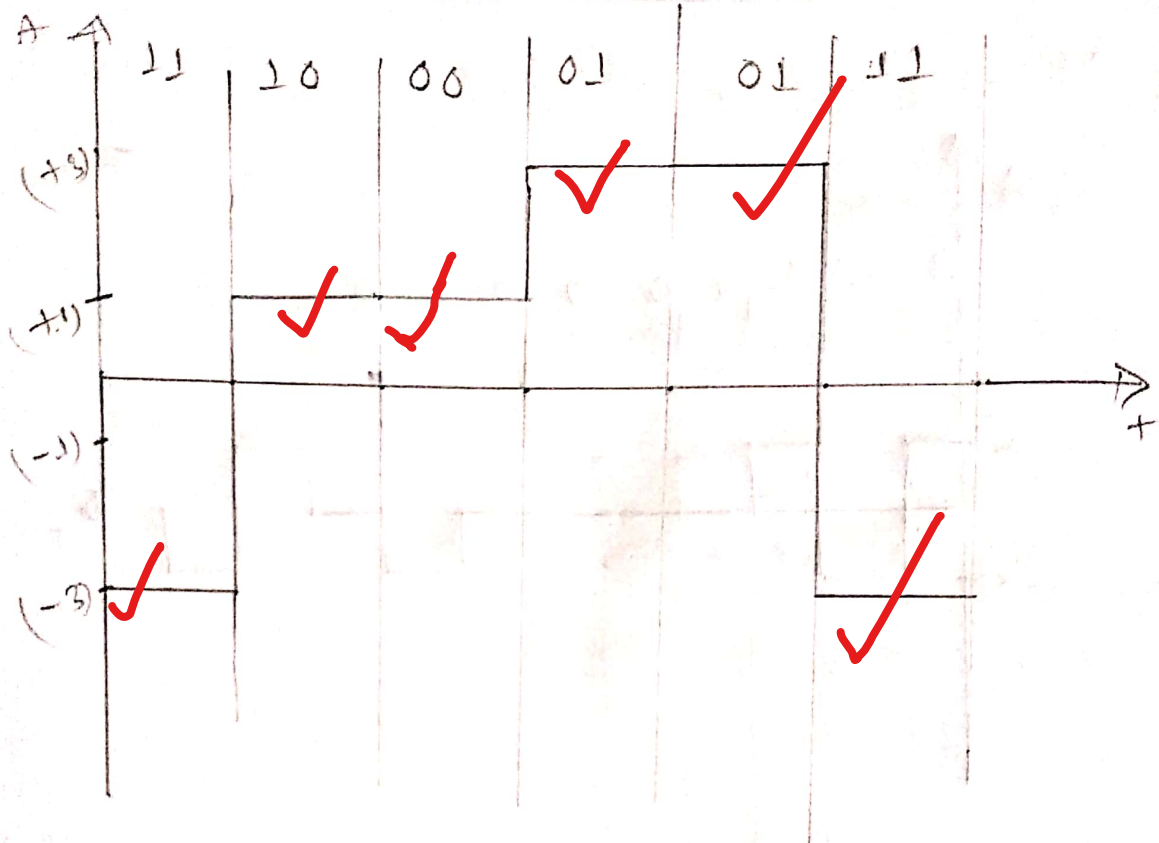
∴ The value of first four digit is $(1803)_{10}$

∴ The binary of this is $(11100001011)_2$

a) Differential Manchester: (RZ + NRZ-1)

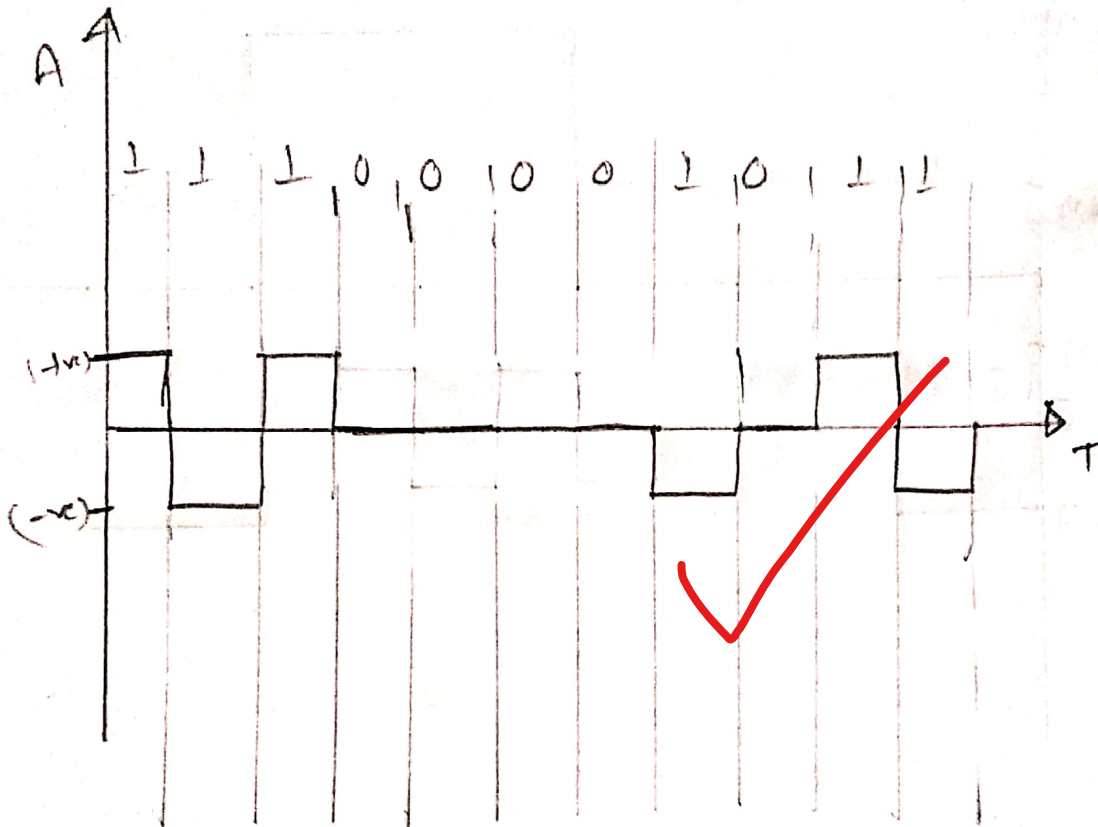


b) 2B1Q:



c) AMI ~~Pseudo ternary~~ Schema:

0101 (c)



b) Among this three schema differential Manchester is better. Because it can handle both baseline wandering and DC components. It has self-synchronization. Though it require double bandwidth than the two others if we think about data security differential Manchester is better than the previous two.