20

1 NO Q: ANS

First four digit of my birth date = (1604) = (011001000100)b

my ID = 20

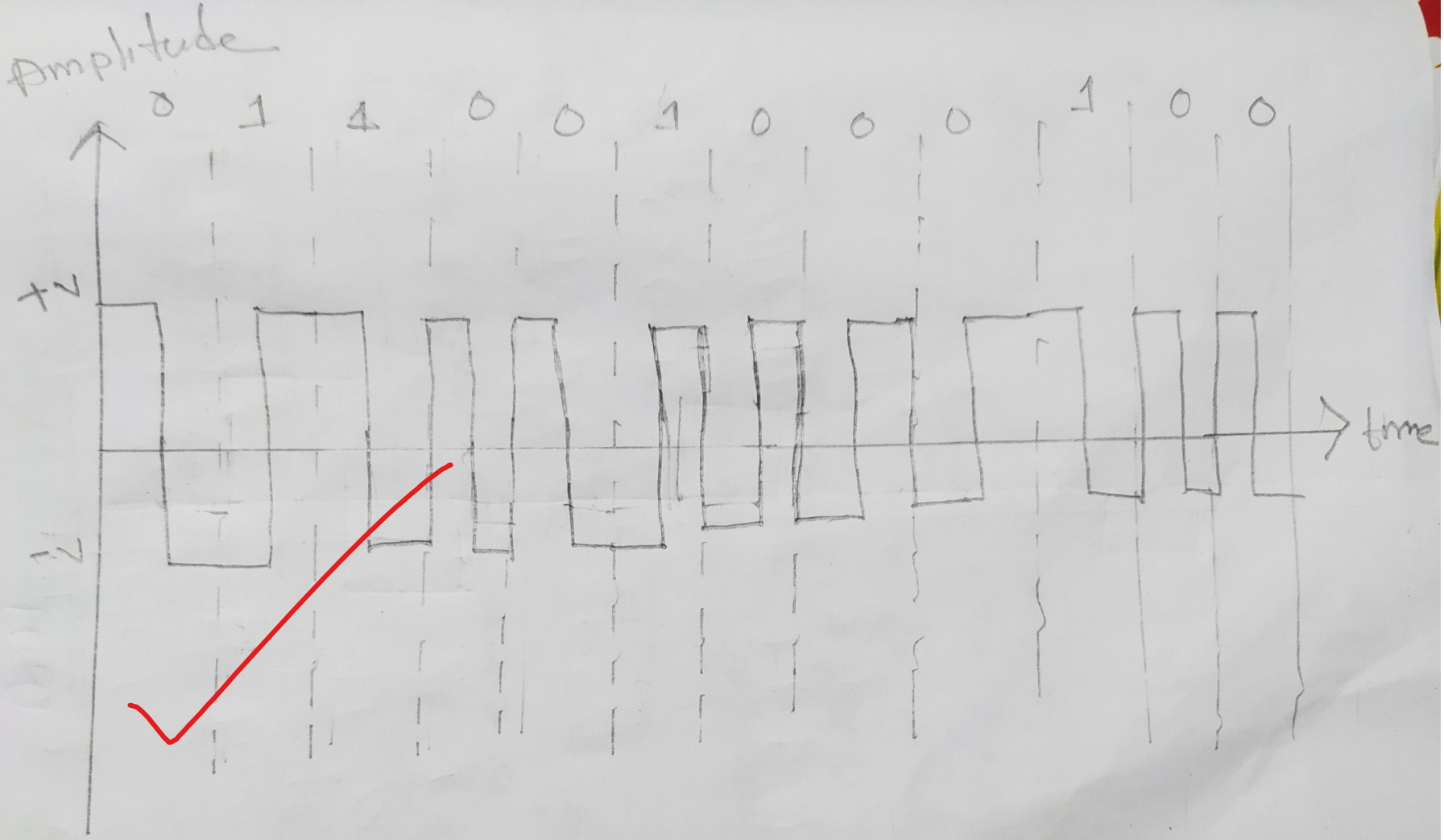
ID is even and not divisible by 3.

a

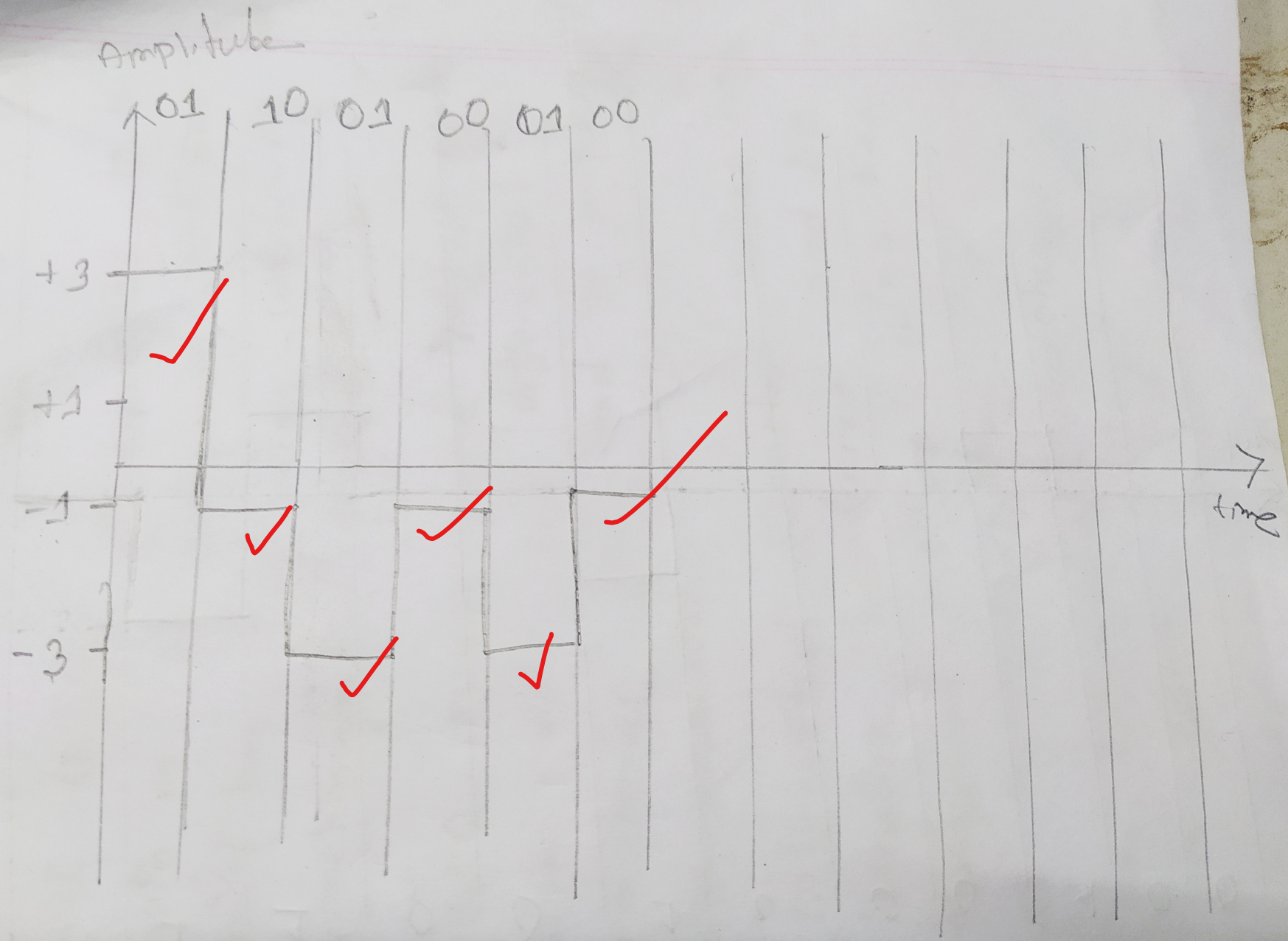
Differential manchester.

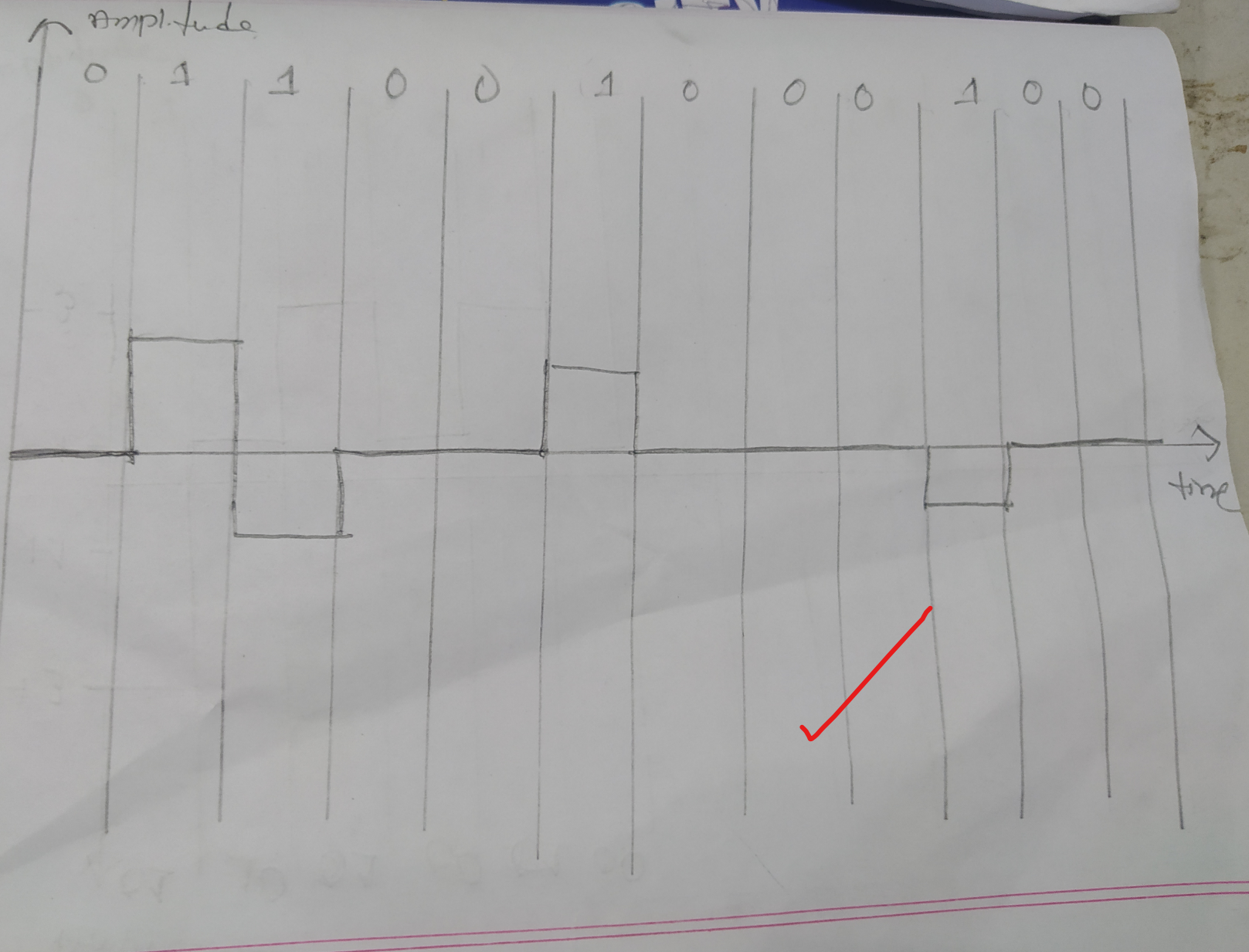
0 bit = transition at the start of a bit

1 bit : No transition at the start of a bit


amplitude
0 1 1 0 0 1 0 0 0 1 0 0
+V
-V
time

2B1Q




Amplitude
0 1 1 0 0 1 0 0 0 1 0 0
time

2 NO Q : ANS

AMI has is equivalent to NRZ with no DC component problem so it has Base line wandering and synchronysation problem.

2B1Q needs more signal state than AMI and differential manchester. Its hard to implement ~~and also ha~~.

Differential manchester ~~solve~~ has baseline wandering and DC component problem. also has synchronysation.

So, Differential manchester is better.