

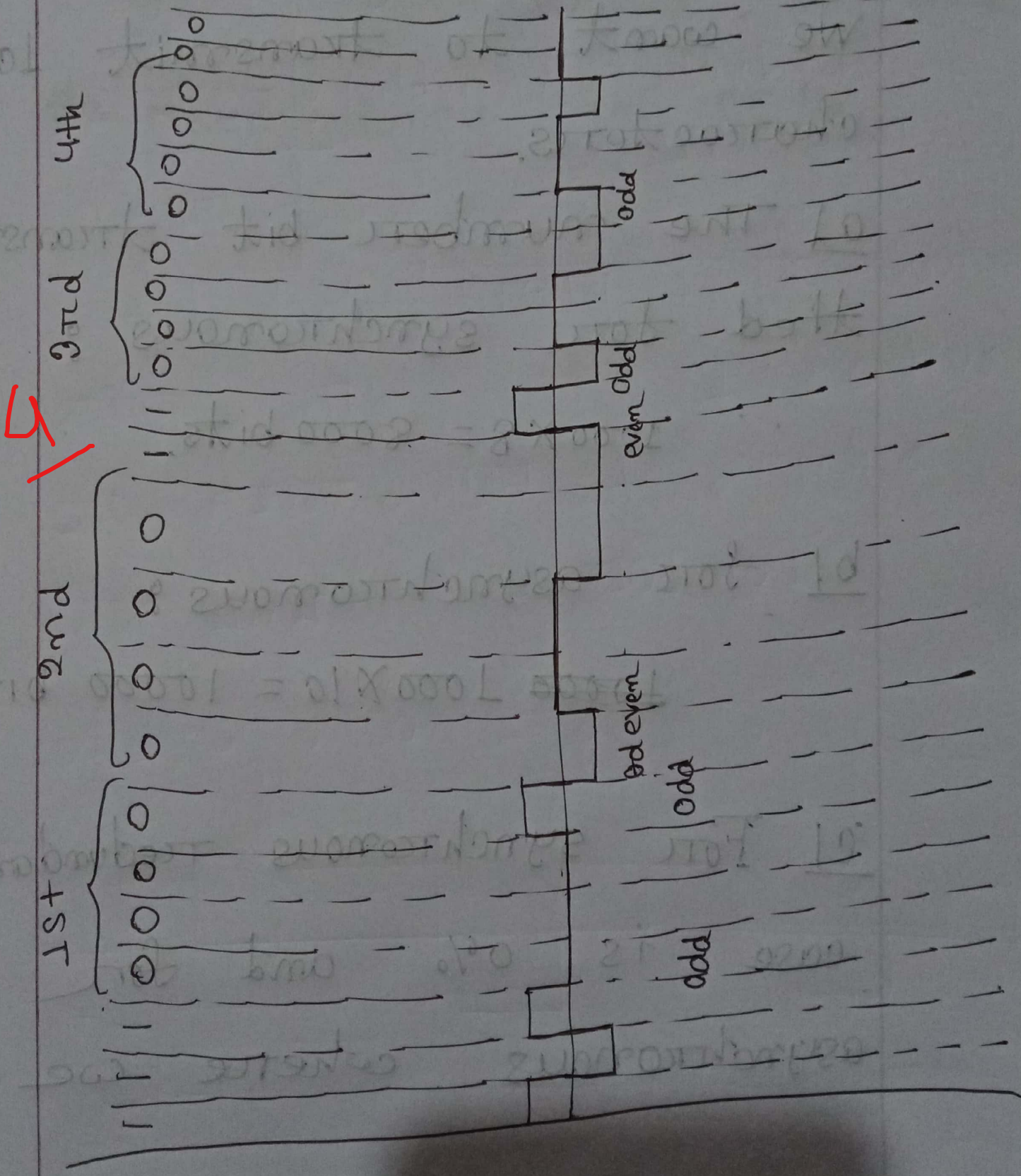
CT-3

ID: 18101043

12

1. My ID is odd.

data elements: 1110000000011000000000



Ans to the Q. no. 2

a.

We want to transmit 1000 characters.

a) The number bit transmitted for synchronous :

$$1000 \times 8 = 8000 \text{ bits,}$$

b) For asynchronous :

$$~~10000~~ 1000 \times 10 = 10000 \text{ bits,}$$

c) For synchronous redundancy

case is 0% and for asynchronous where we

send ~~no~~ more 2000 bits
than synchronous, so the
redundancy is 25%.

8