① /

Ans: to the Q: No ~ 01

Here my id is 17201078 so it is event.

So, I use B8ZS.

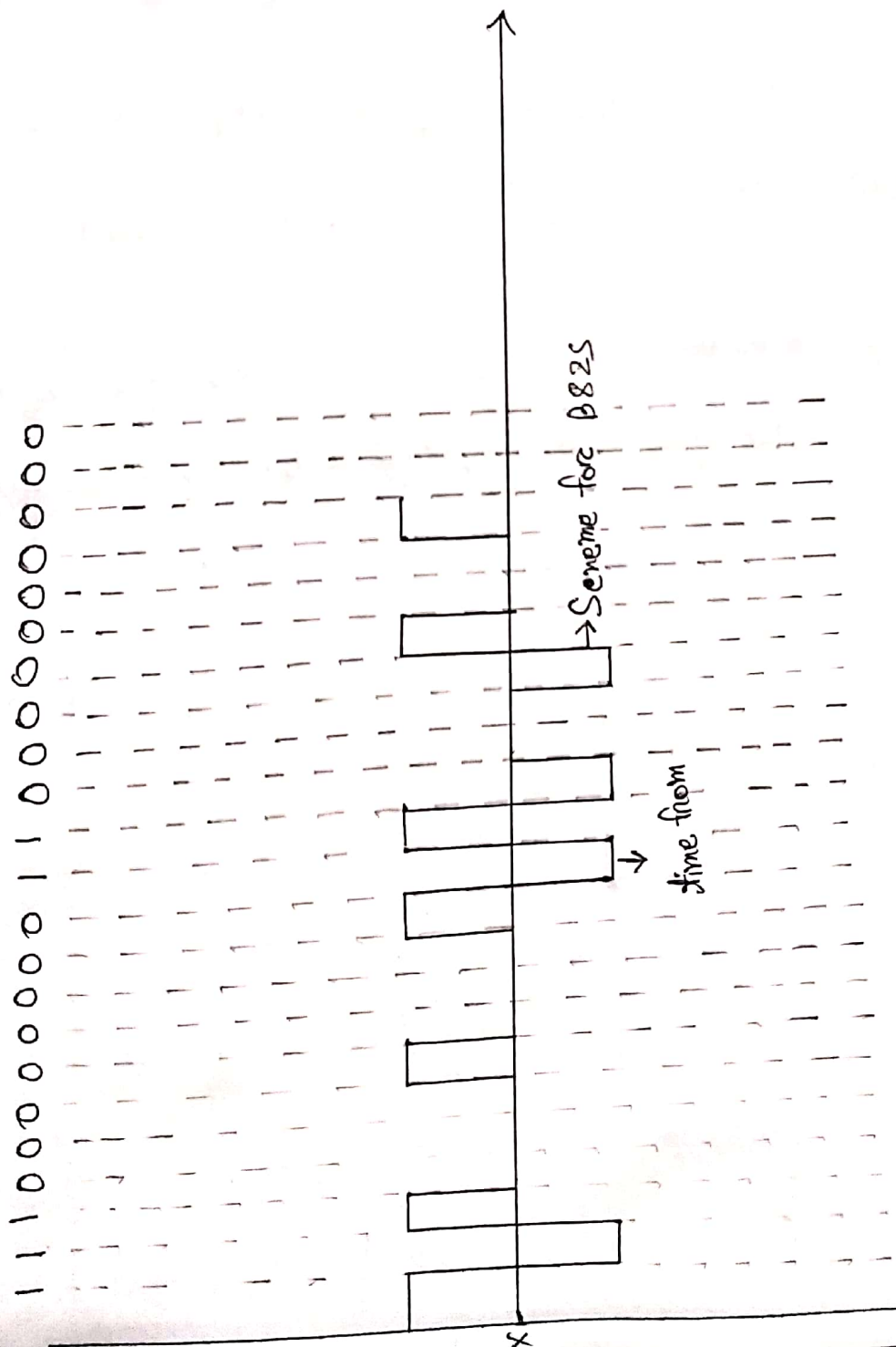Given that element: 111000 00000 110000000000

→ Scheme for B8ZS

→ time from

Name: Mubtasim Fuad Inam.   ID: 17201078

Ans: to the Q: No-2

a. For synchronous transmission, we have $100 \times 8 = 8000$ bits

b. For asynchronous transmission, we have $1000 \times 10 = 10000$ bits. Note that we assume only one stop bit and one start bit. Some systems send more start bits.

c. For case a, the redundancy is 0% for case b, we send 2000 extra for 800 required bits. The redundancy is 25%.