

Bilal Ahmed Khan  
(20K-0183) Sec: B

QUESTION #06:

EN

D

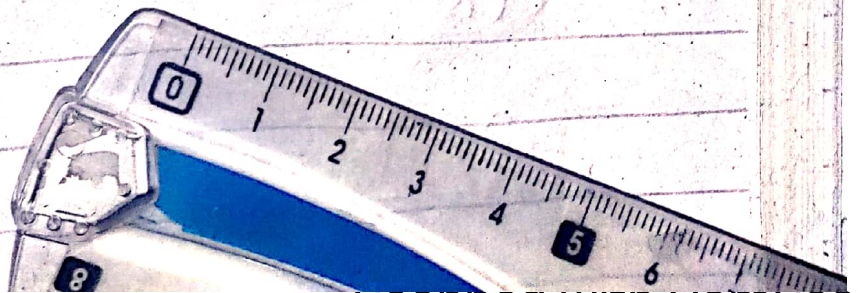
Q

QUESTION #09:

D

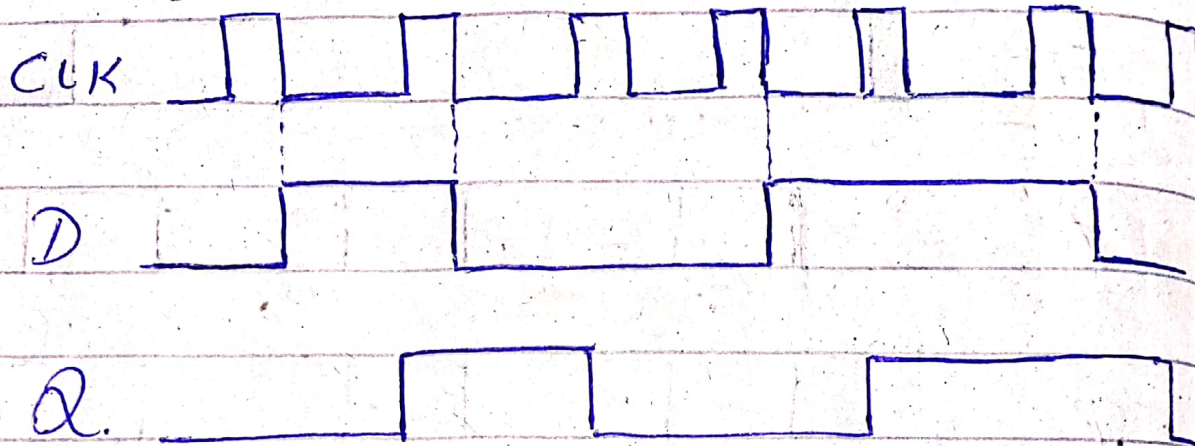
CLK

Q

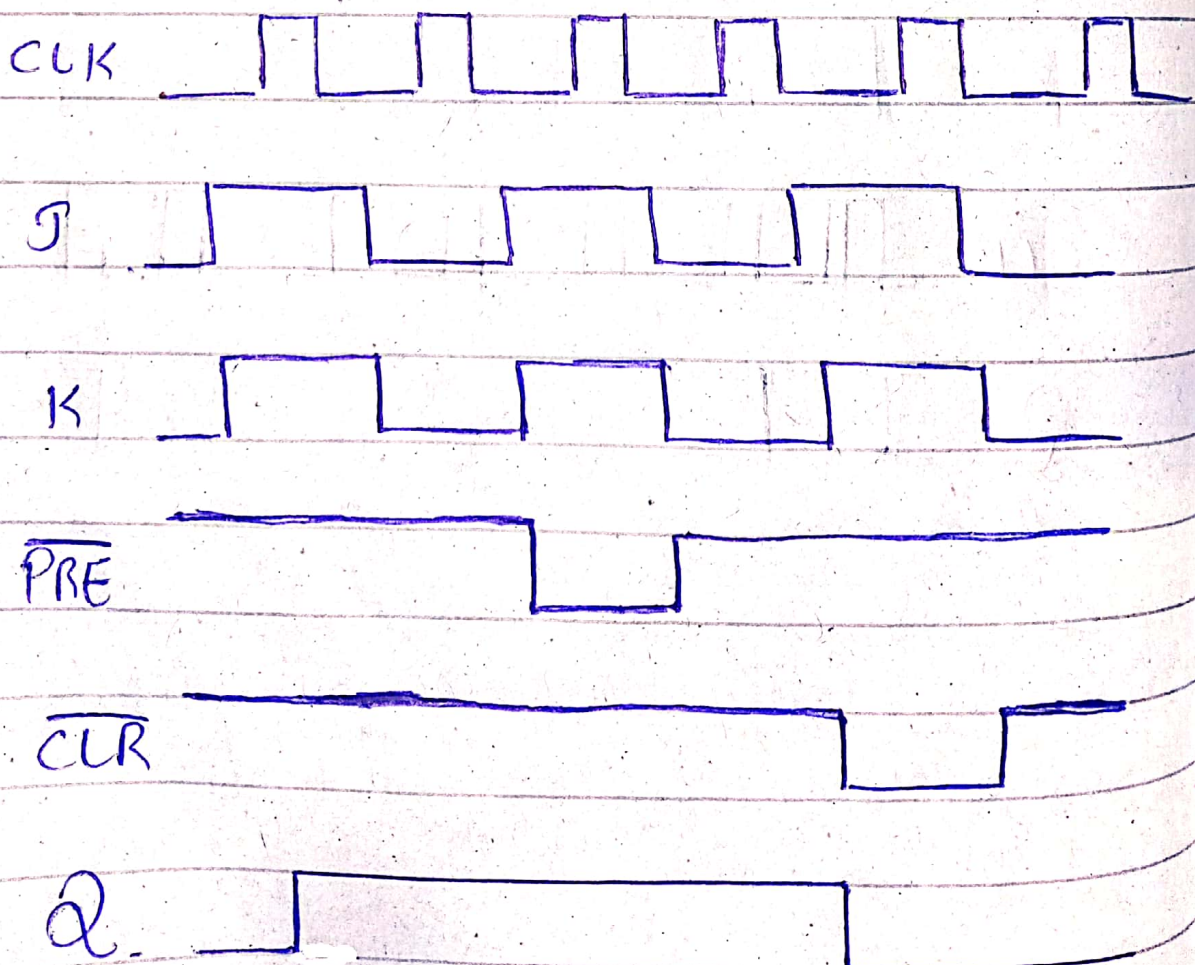




QUESTION 10:

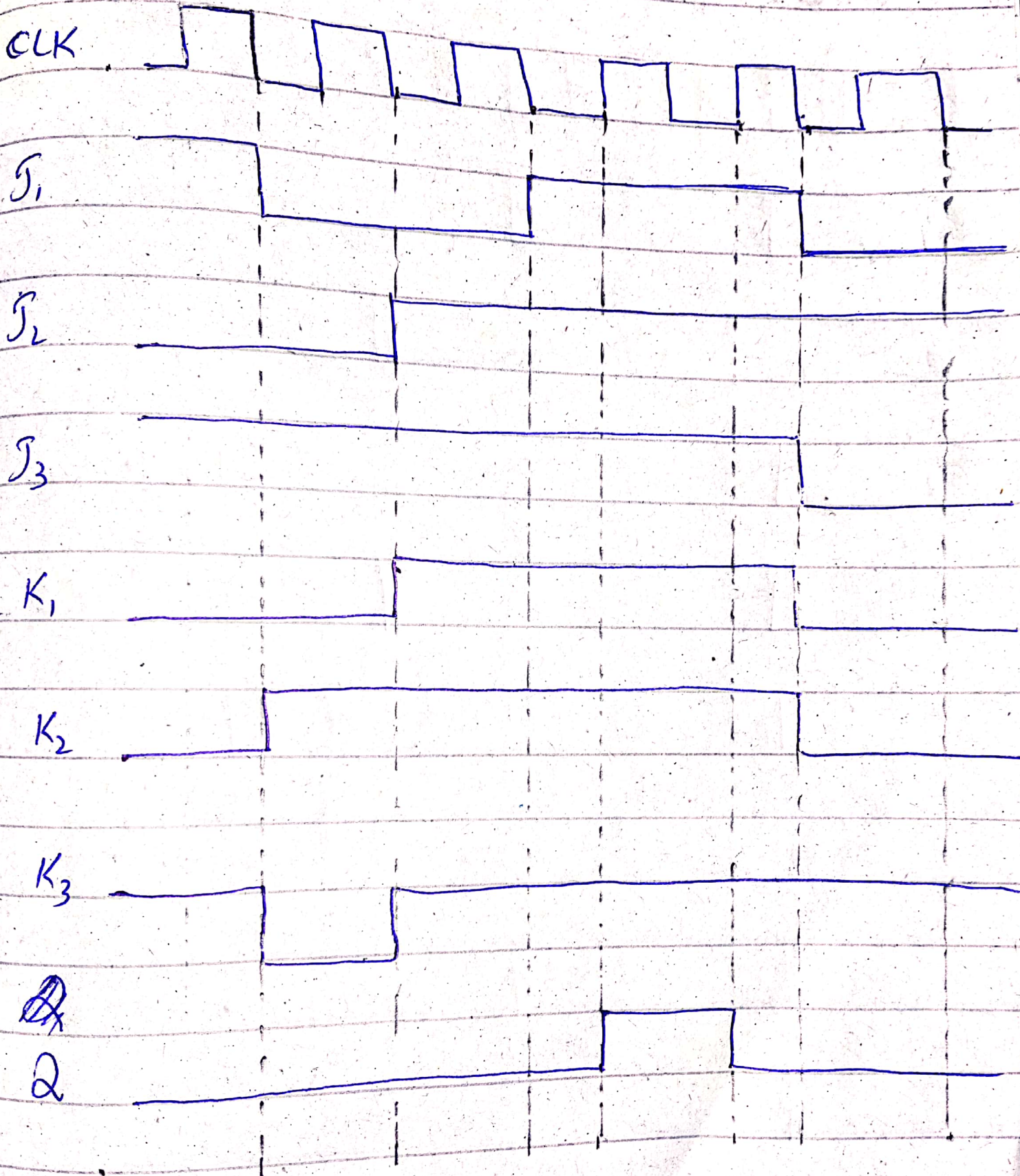


QUESTION 14:



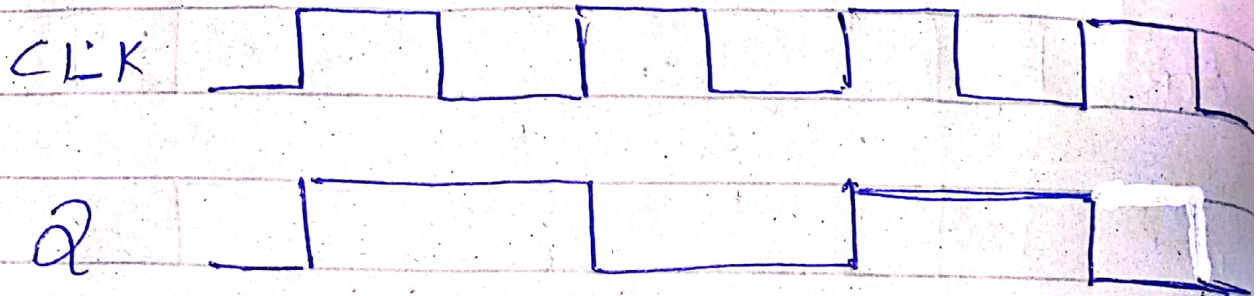


# Question 17

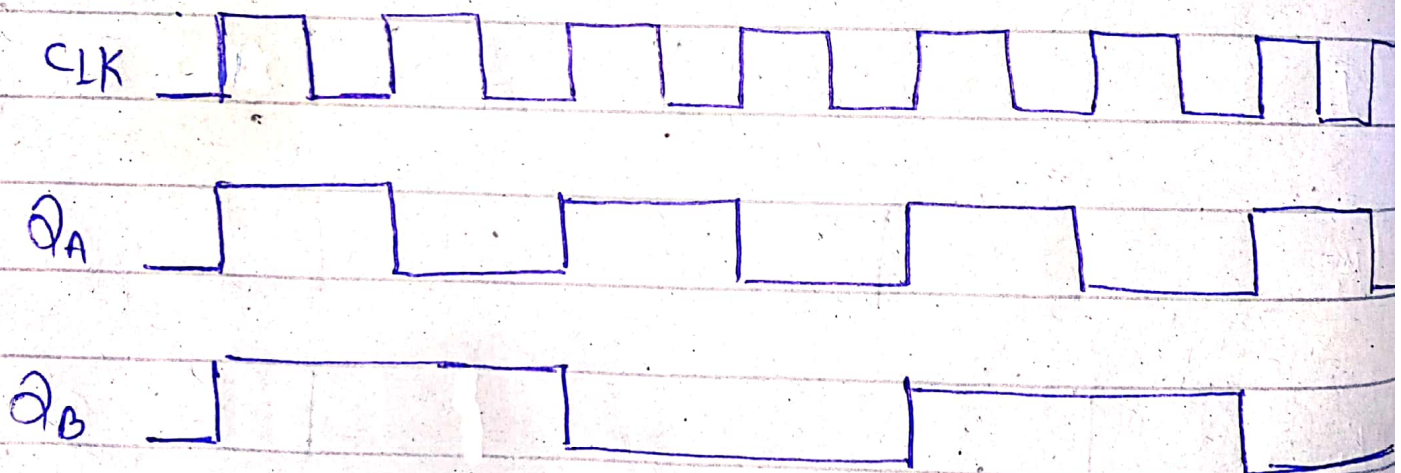




QUESTION #20:

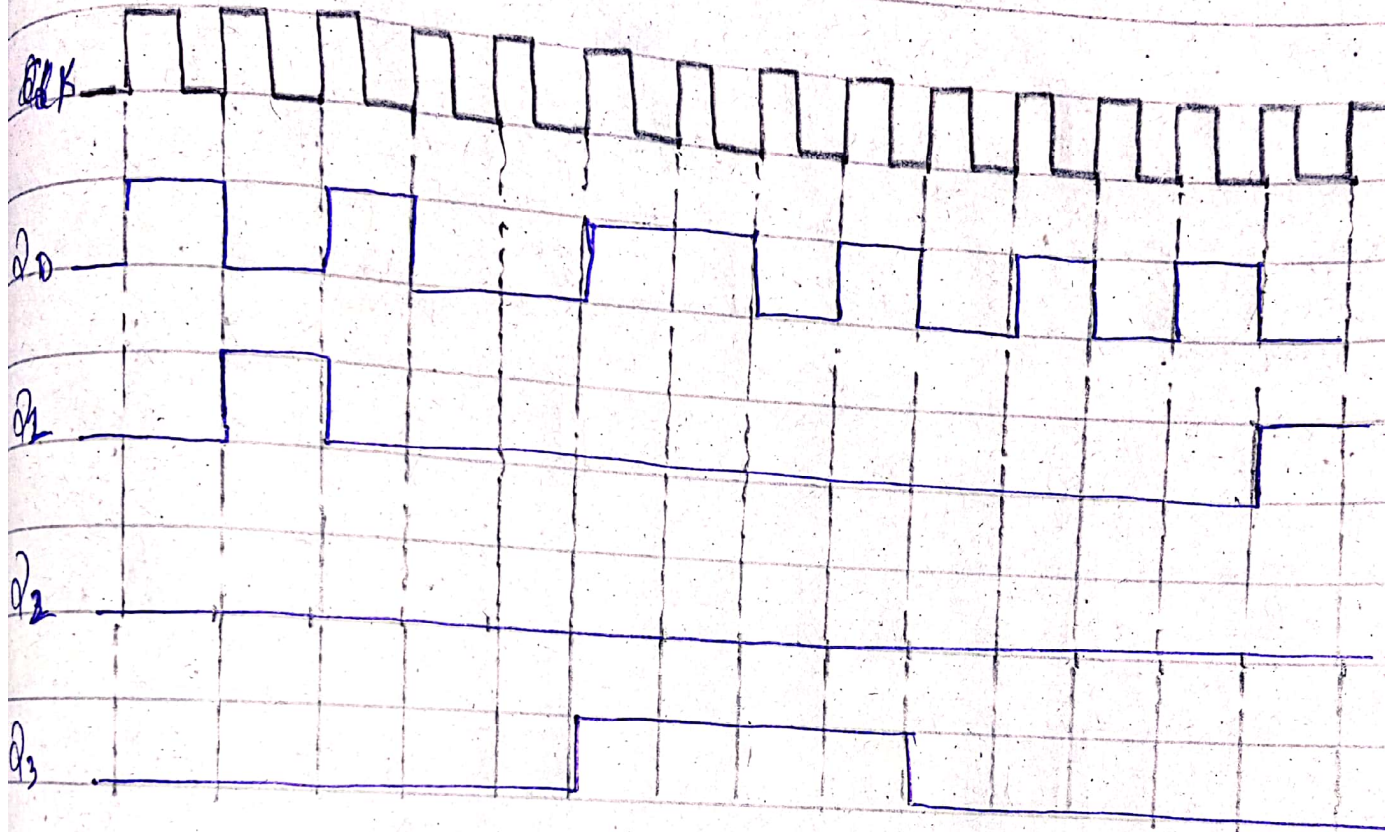


QUESTION #21:





## QUESTION 23:



## QUESTION 25:

The sequence of the counter is:

- |           |          |
|-----------|----------|
| i) 0000   | ii) 1111 |
| iii) 1110 | iv) 1101 |
| v) 1010   | vi) 0101 |

After which the counter takes at 1010 & 0101 & keeps alternating between them.