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# Assignment 8.

Name:

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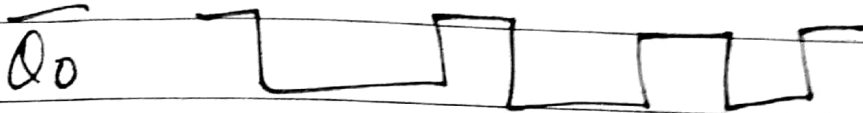
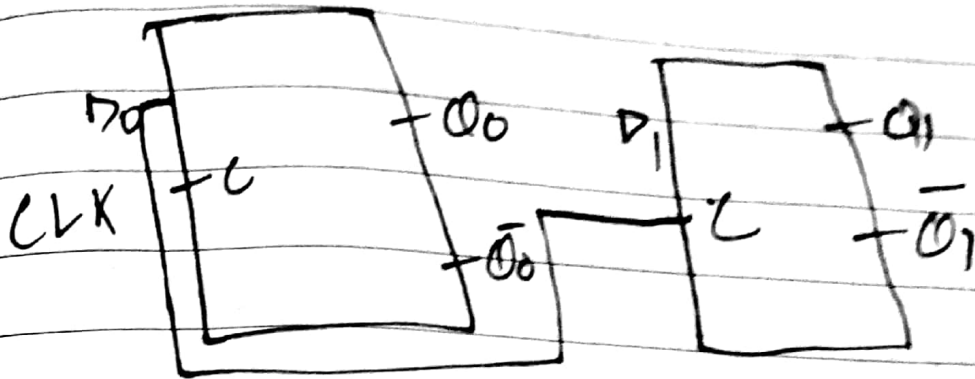
Computer Science

Submitted To:

Sir Muhammad Anwar.

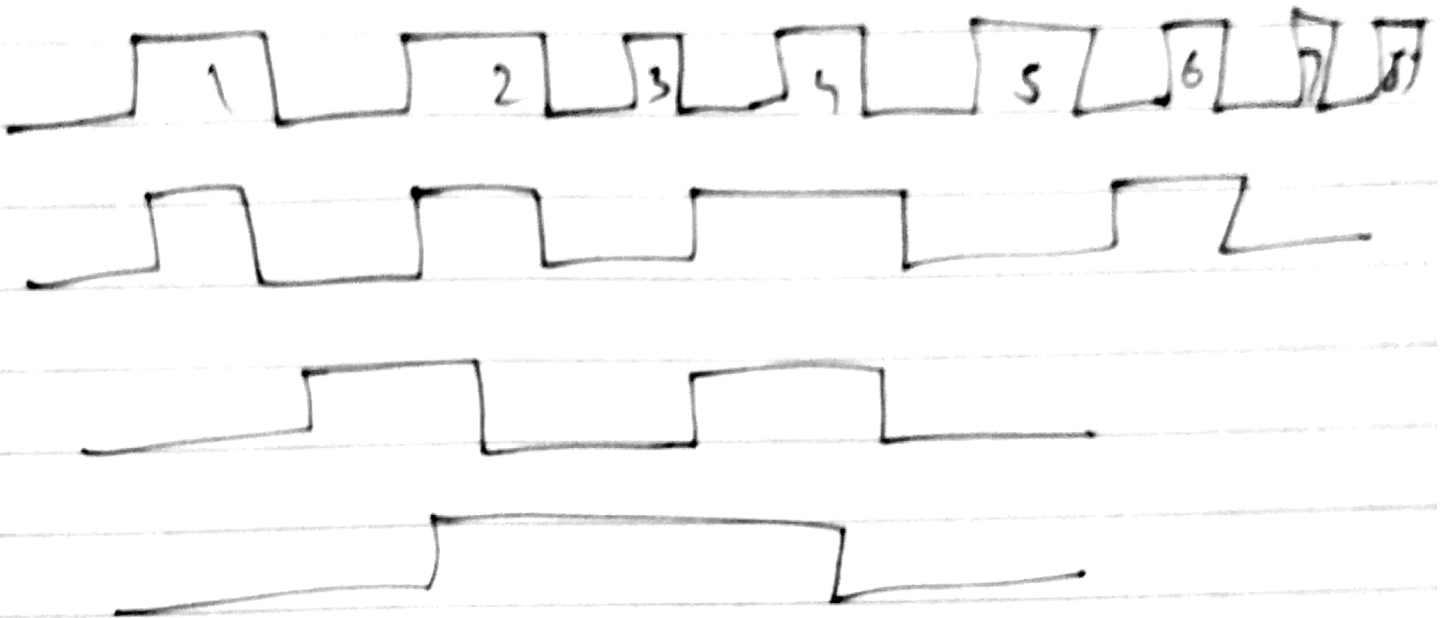
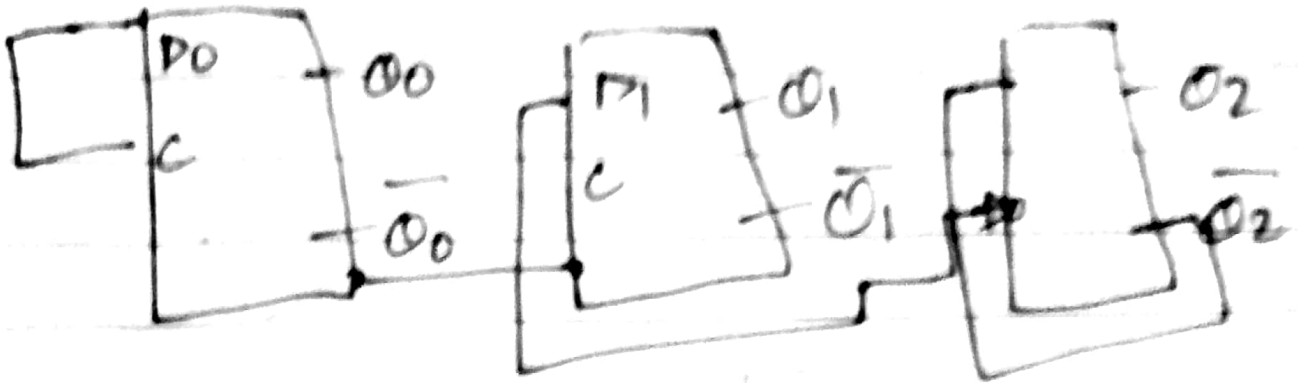
(2)

(Q1)



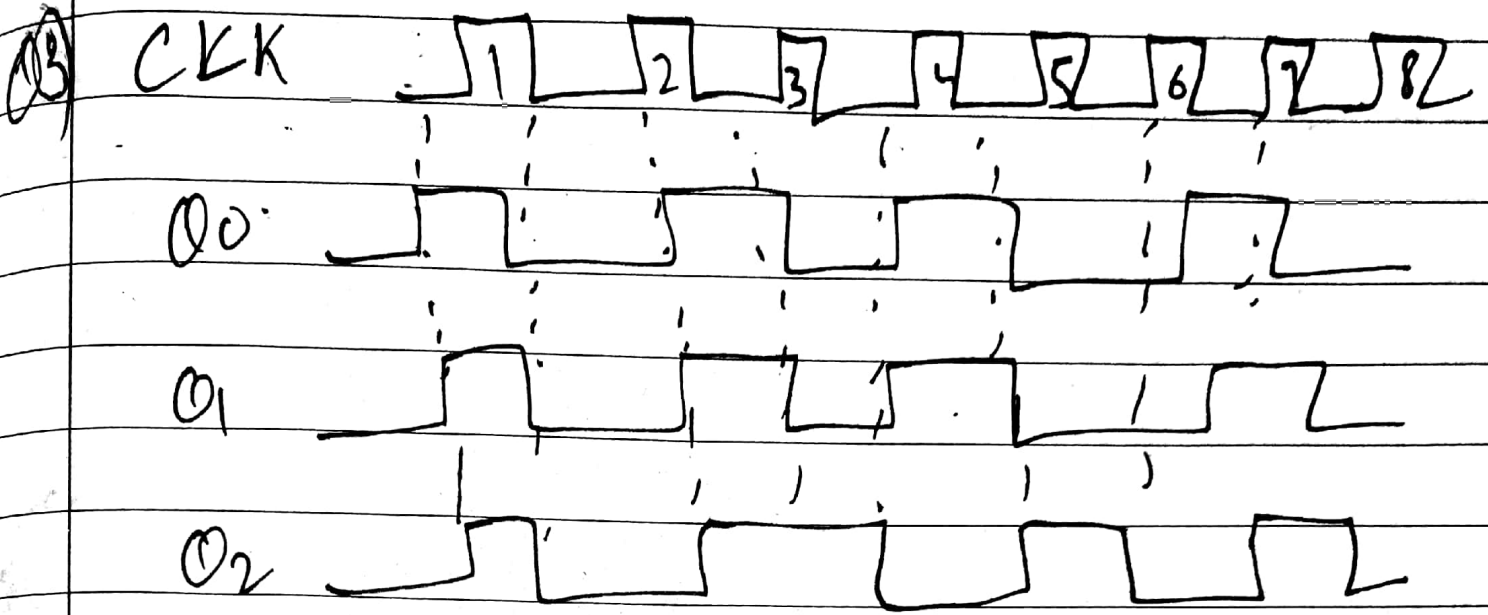
Clock Pulse	Q <sub>1</sub>	Q <sub>0</sub>
Initially	0	0
1	0	1
2	1	0
3	1	1
4	0	0

(3)

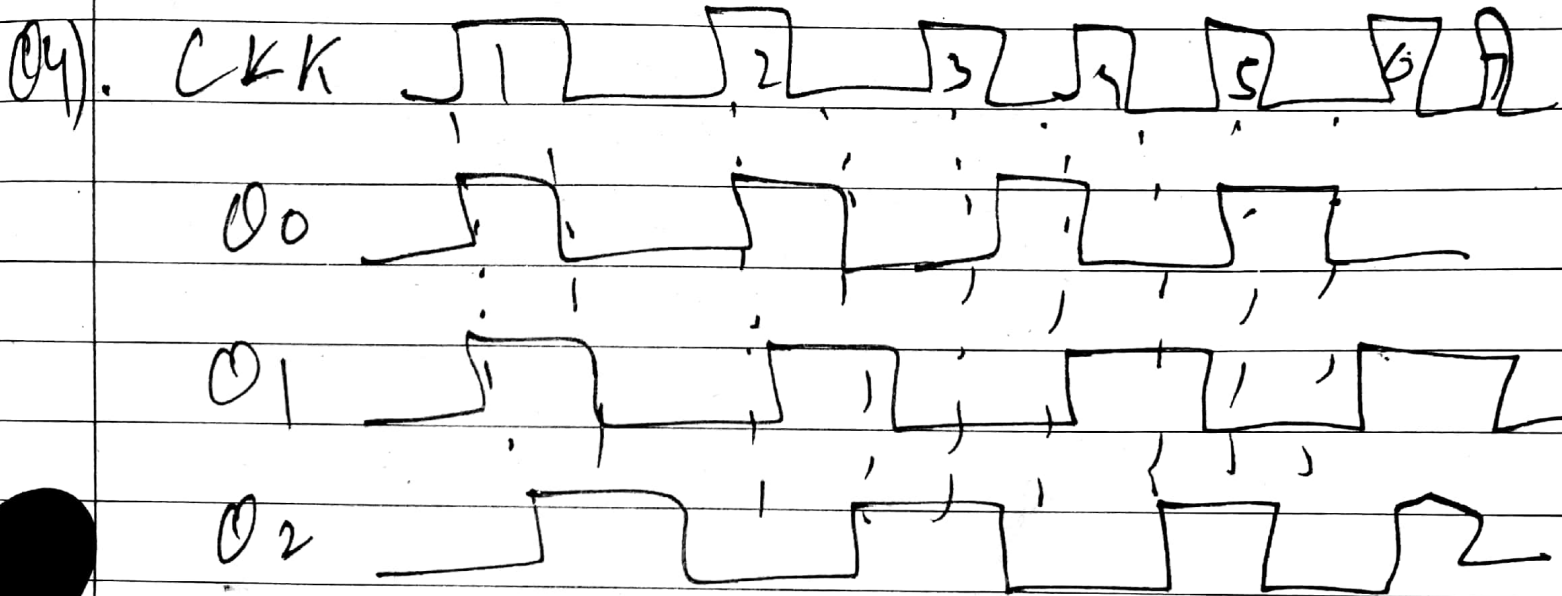


C. Pulse	$Q_2$	$Q_1$	$Q_0$
1	0	0	0
2	0	0	1
3	0	1	0
4	0	1	1
5	1	0	0
6	1	0	1
7	1	1	0
8	1	1	1

(9)



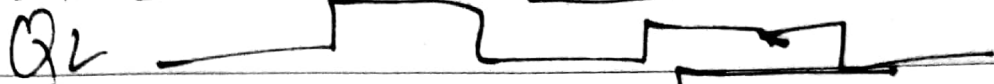
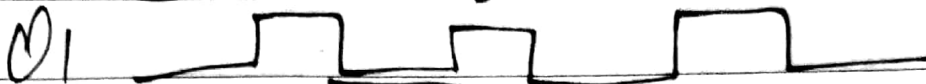
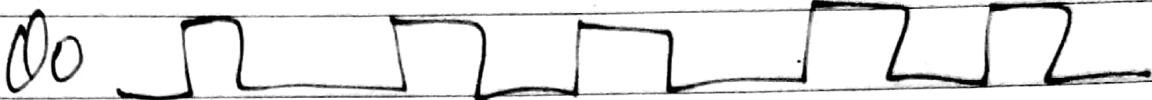
CLK - Q(0).



Worst case occur Q2

(5)

05)



C. pulse	Q0	Q1	Q2	Q3	Q4
1	0	0	0	0	0
2	0	0	0	0	1
3	0	0	0	1	0
⋮	0	0	0	1	1
⋮	0	0	1	0	0
⋮	⋮	0	1	0	1
⋮	⋮	0	1	1	0
⋮	1	1	1	0	1
⋮	1	1	1	0	0
31.	1	1	1	1	1