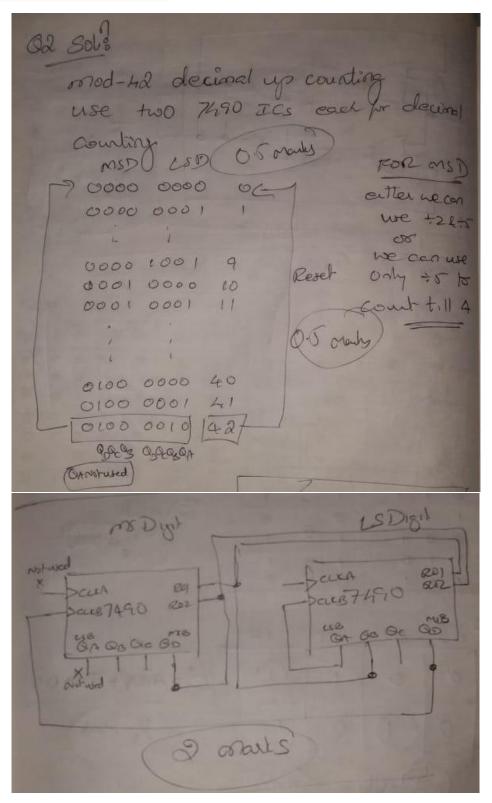
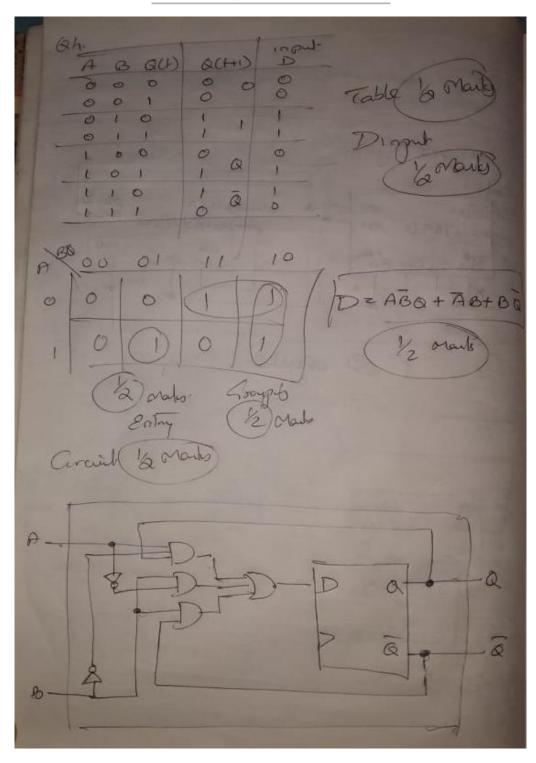
Q2. Construct a mod-42 decimal up counting circuit using only asynchronous ICs. Draw the logic diagram.

3 Marks



Q4. Function table defines the working of a fictious AB flip flop. Design the AB flip flop using D flip flop and external gates. **3** Marks

Α	В	Q(t+1)		
0	0	0	A Q	-
0	1	1	- В	
1	0	Q	->clk	
1	1	Q'	CIK	



Q5. Design a T flip flop using a basic NOR latch and gates

