

Q3) Design an $\frac{1}{7}$ frequency divider circuit diagram using flip flops & gates.

Ans We take MOD 7 counter to get $\frac{1}{7}$ frequency divider, i.e. $T = \frac{1}{f}$, $\therefore T' = \frac{1}{f/7} \Rightarrow T' = 7T$

New time period is 7 times the old time period.

Mod-7 Counter

