EE380 (Control Systems) Lab work of Experiment 6

Student Name	Roll No.	Bench No.

Q5. Take an open loop step response of your motor and calculate R_{Σ} and B. You can use the latter for \hat{B} . You can use $\hat{J} = 1.34 \times 10^{-6} \, kg \, m^2$.

- Q6. If necessary, modify the values of B and J and the relation between \hat{I} and I_f in **main-prog-exp6.c**.
- Q7. Run your setup and take readings on both sides of the instant when the load steps up in the following cases.
 - 7.1. With \hat{I}_L as feedback, plot ω and \hat{T}_L versus t.

7.2. With \hat{I}_L as feedback, plot ω and u versus t.

