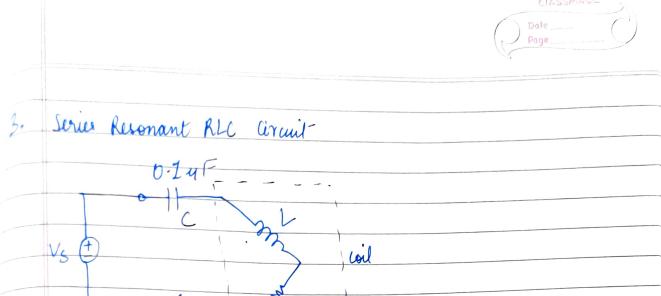


: R1: 5.1ks2+1ks2=6.1ks2 Rz= 4.7K2 6.1 A = 1.29 = 1.3  $7 = 0.693 \times (R_1 + 2R_2) \times C$ = 0.693 × 15.5 × 0.01 × 10<sup>3</sup> × 10<sup>-6</sup> LED 10K2 52702 0=10048 2=1-1RC = 2 = 2 = 18-18 K. ~ The formula for on Time (T) when 555 Timer IC is used in monostable mode is given by? T= Capacitance Value



Theory

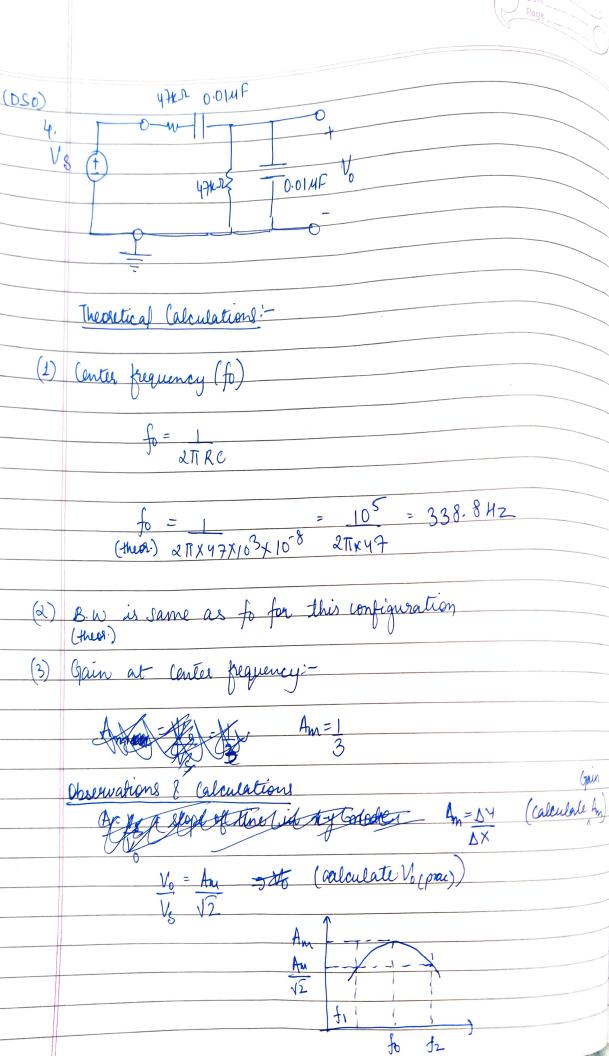
Resonance is a property that enables one to select a particular friq. out of a signal containing many frequencies.  $f_s = \frac{1}{2\pi \pi c}$ 

 $\frac{V_0}{V_S} = \frac{r}{r + r_2} = \frac{slope}{\Delta y} = \frac{\Delta y}{\Delta y} = \frac{1}{2} \frac{1}{2}$ 

 $\frac{2}{2} = \frac{1}{2}$   $\frac{1}{2} = \frac{1}{2}$   $\frac{1}{2}$ 

Applying Vin as 500 mV and Vout as 500 M

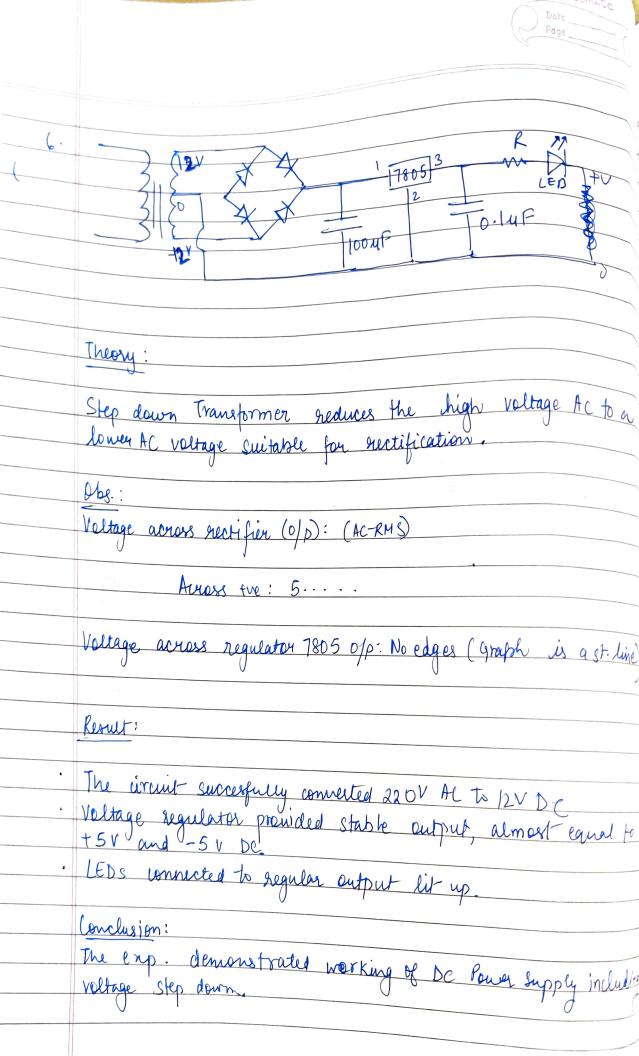
Experimental of Measured from multimeter of

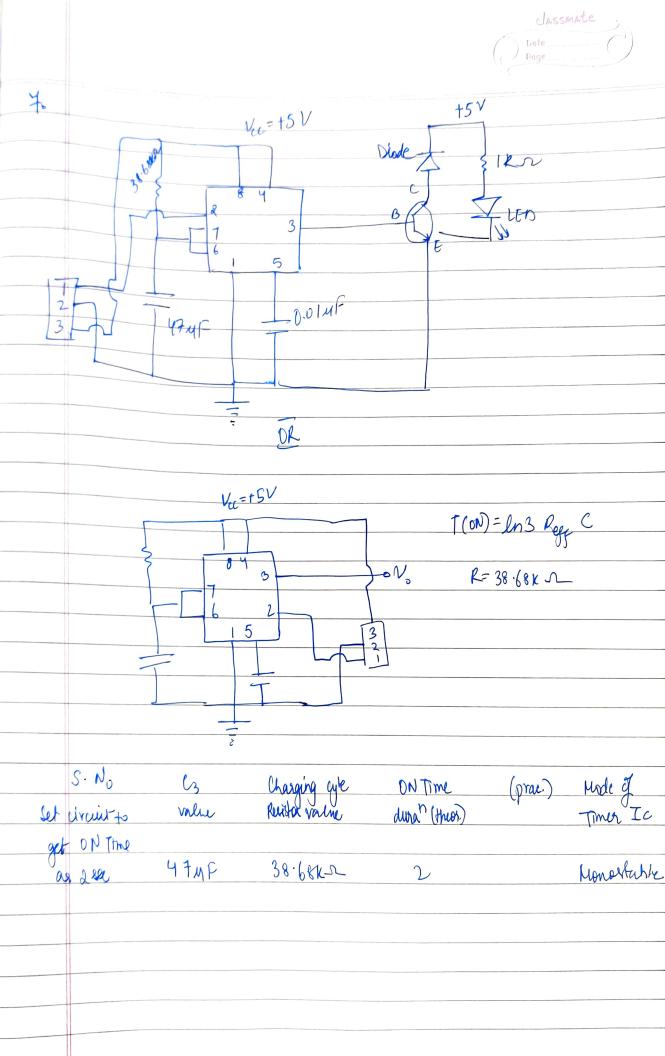


No (Hum.) = 
$$\frac{1}{3}\frac{1}{12}\frac{1}{3}\frac{1}{3}\frac{1}{2}$$

Vs. Gain Am fo (prac) fi fi B. w (fi-fi)

$$\frac{1}{5} = \frac{1}{5} =$$





C = 0.14P 200KM 8. C=0.14F R=10KA w=217 } f = 500H2 The output of integrator follows:  $V_2 = -1 \int V_1 dt$ A sq. wave input result in triangular output. Observations: Woweshape Vip V2p V2p/Vip T/4CR, or 1/wcR, Square