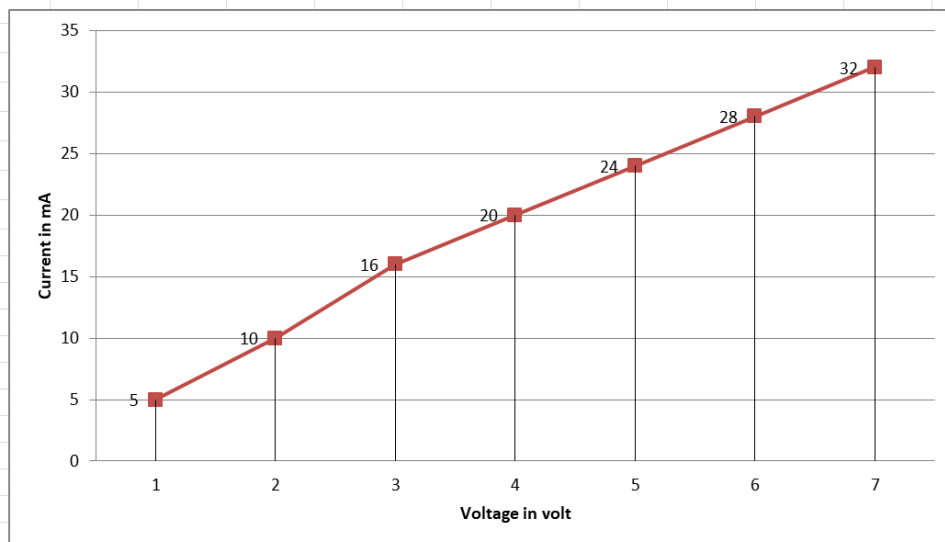
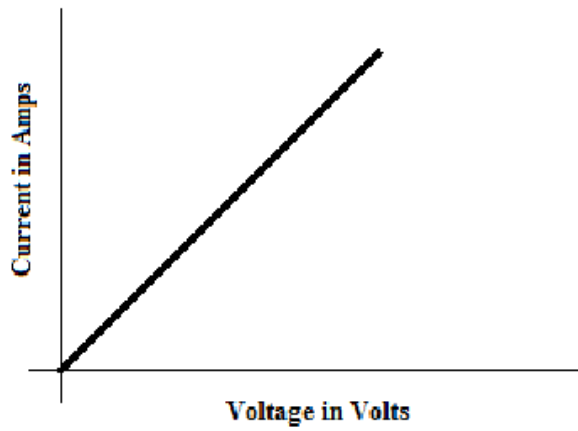
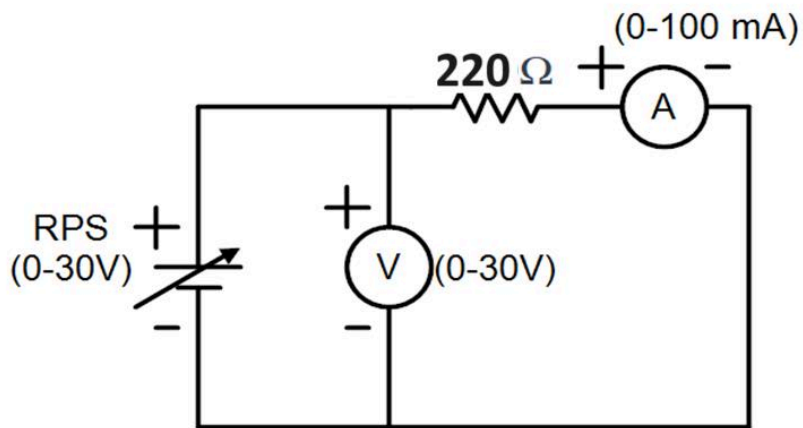
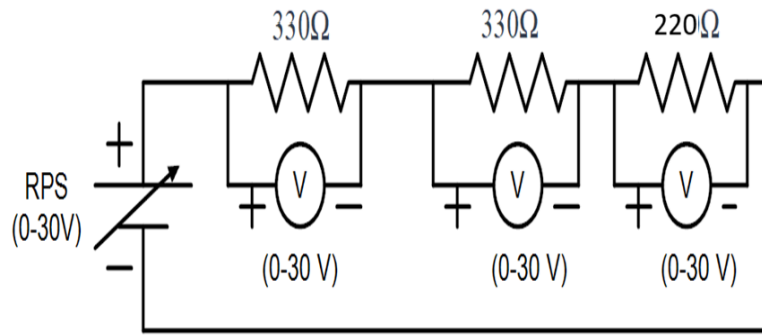


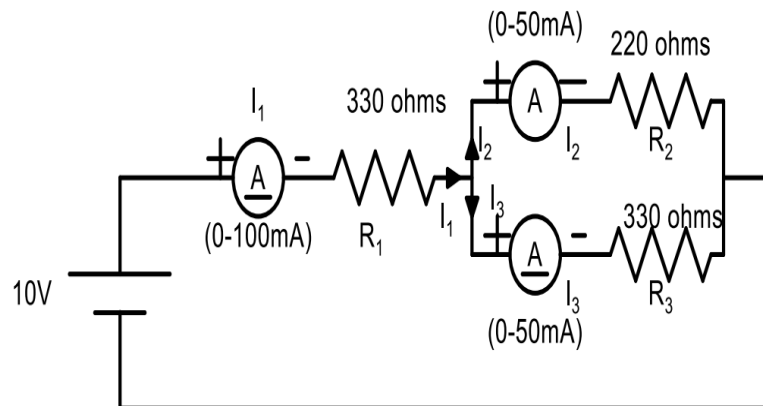
EXP1:



EXP 2:

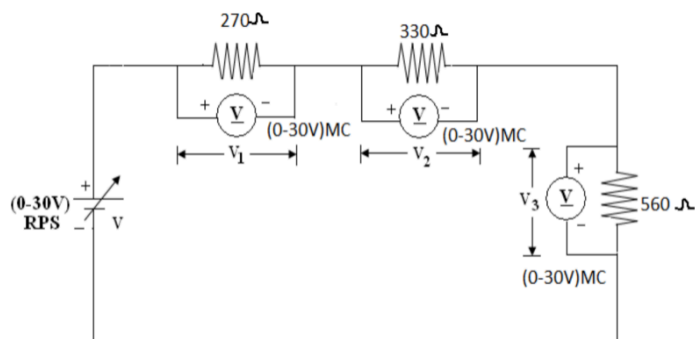
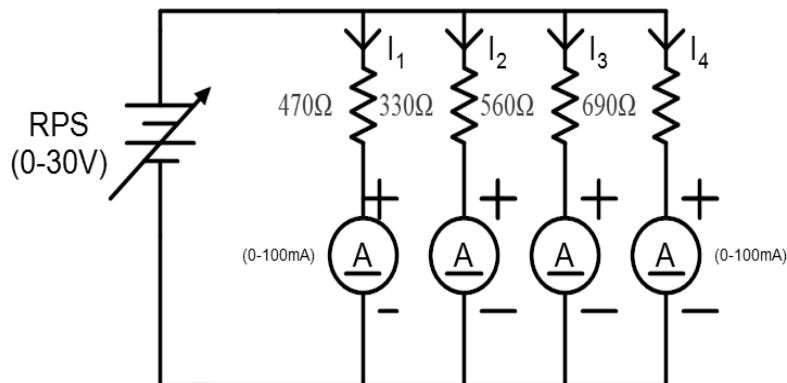


1A)

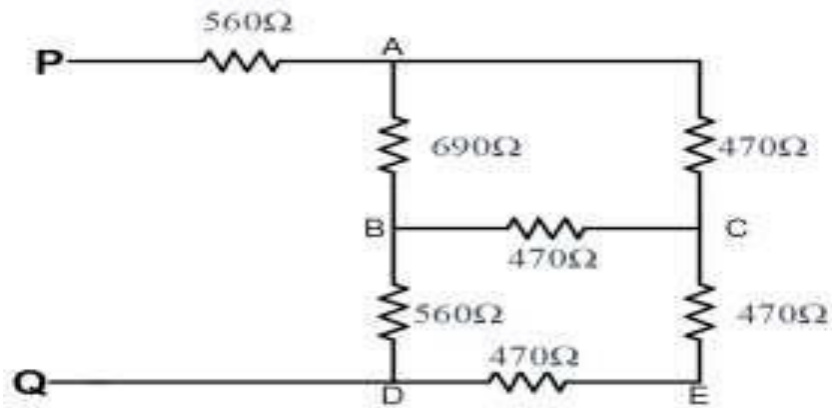


1B)

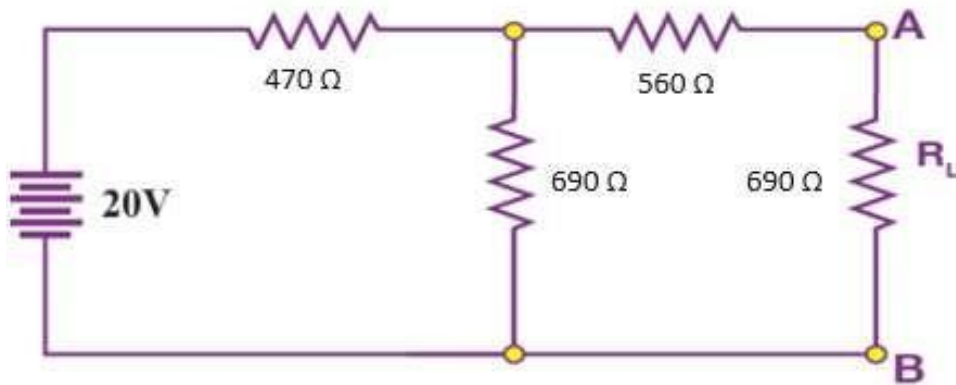
EXP2:



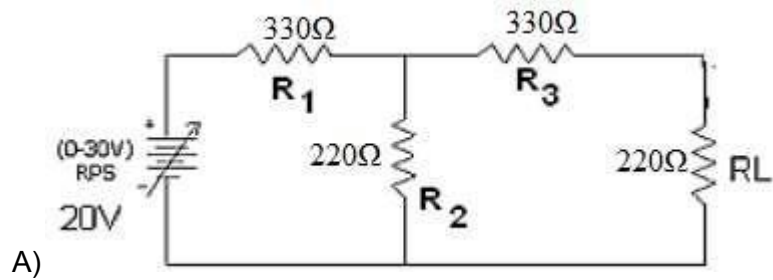
EXP3:



EXP 4:

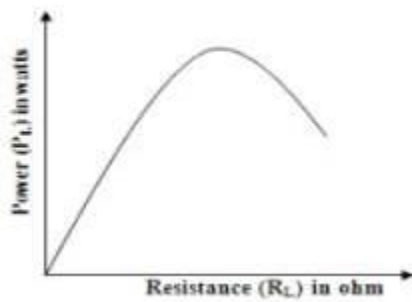


EXP 5:

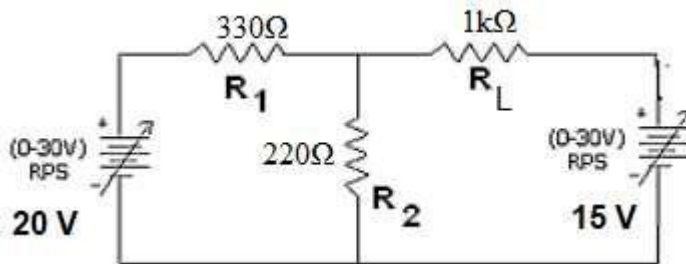


A)

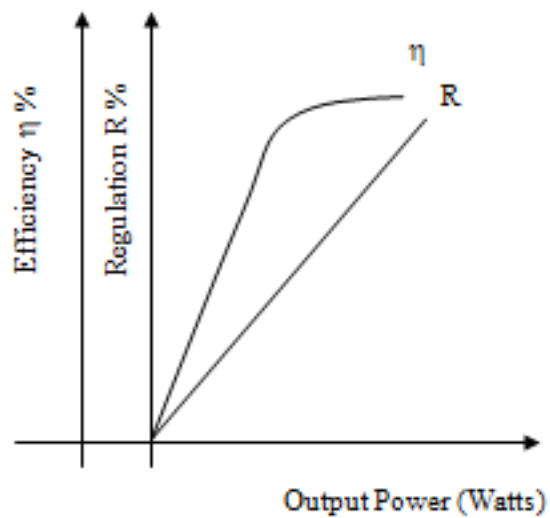
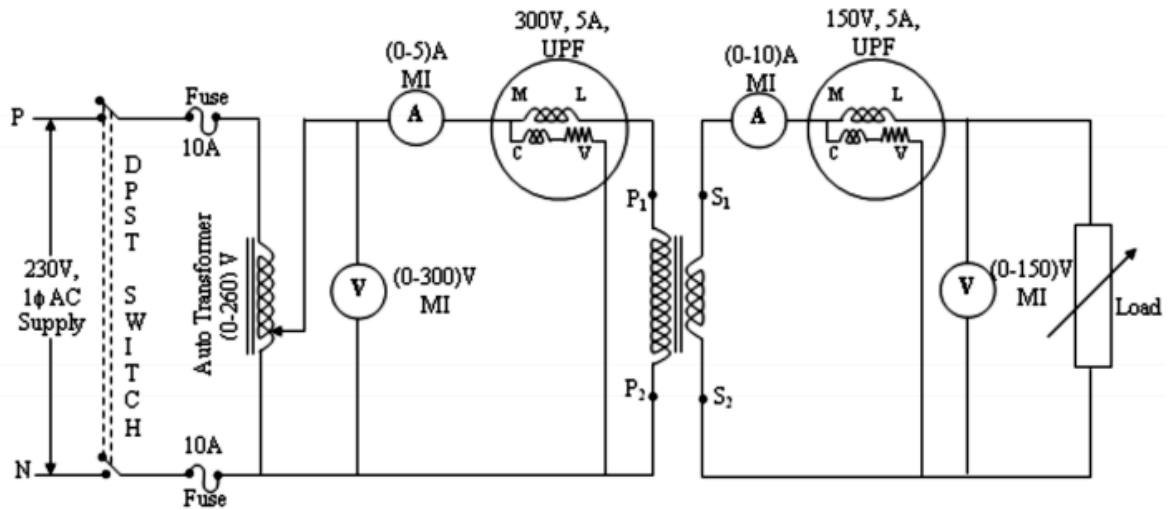
MODEL GRAPH:



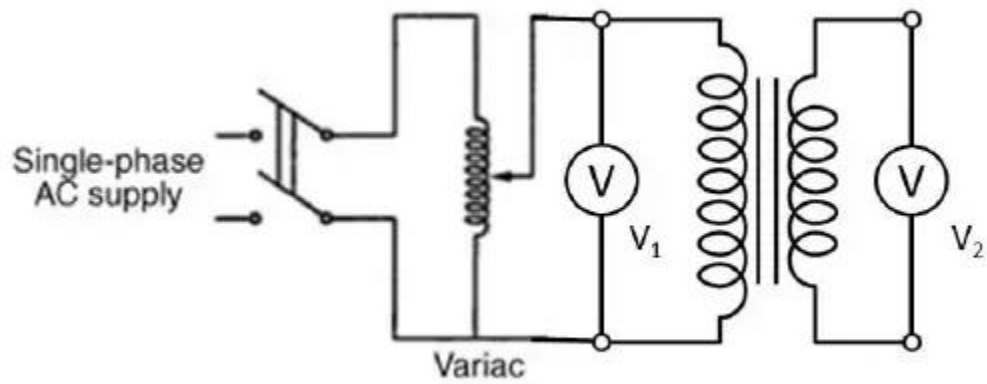
B)



EXP 6:

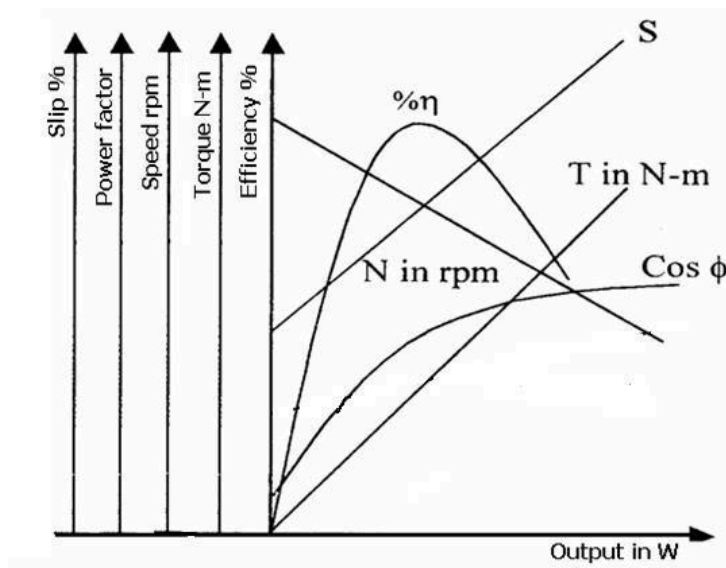


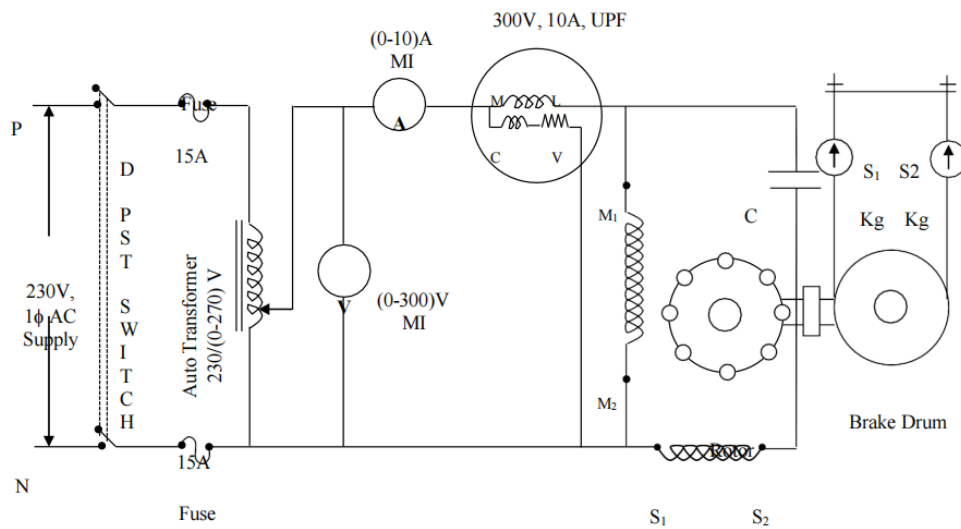
# EXP 8:



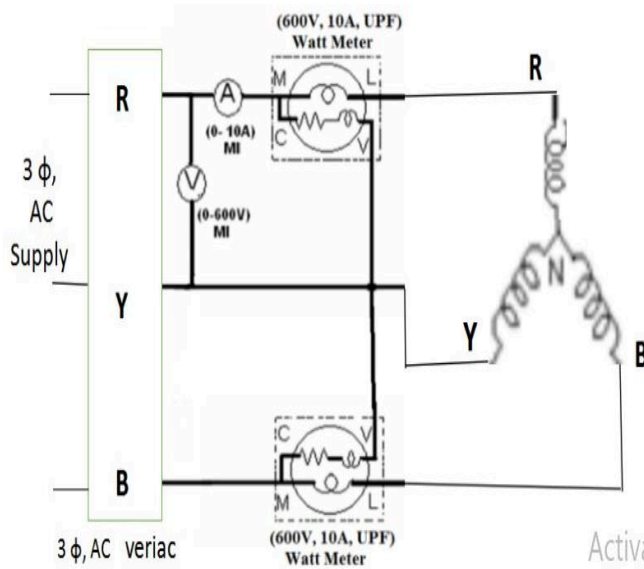
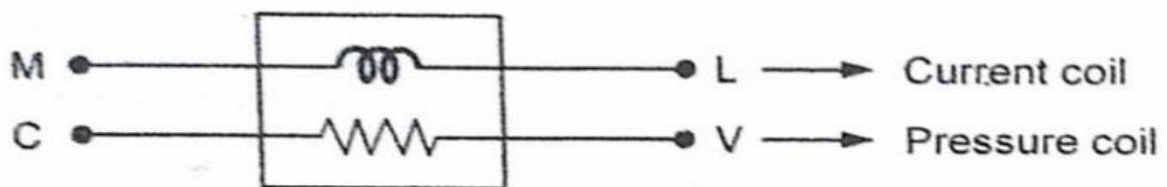
# EXP 9:

V volts	I Amps	Speed N (rpm)	Wattmeter reading		Spring readings		balance S1~S2	torque (T) = $9.81 \cdot R$ * (S1 ~ S2)	output power O/P= $\frac{2\pi N T}{60}$	Power factor $\cos \phi = \frac{W}{VI}$	% efficiency $\eta = \frac{OP}{IP}$	Slip= $S = \frac{N_s - N}{N_s} \cdot 100\%$
					S1	S2						
			OBS	ACT								
220	6.2	1470	40	160	0	0	0	0	0	0	0	0.02
220	6.5	1460	130	520	0.6	2.6	2	2.23	341.84	0.364	65.73	0.026
218	7.0	1450	180	720	0.8	3.4	2.6	2.90	441.34	0.472	61.30	0.033
218	7.5	1440	220	880	1.0	4.2	3.2	3.78	570.78	0.538	64.86	0.040
218	8.0	1430	250	1000	1.2	5.4	4.2	4.97	743.88	0.573	74.39	0.046
216	8.5	1420	290	1160	1.4	5.8	4.4	5.20	773.90	0.632	66.72	0.053
216	9.0	1410	315	1260	1.6	6.2	4.6	5.44	803.43	0.648	63.76	0.06
214	9.5	1400	350	1400	1.8	6.8	5	5.91	867.04	0.689	61.93	0.067



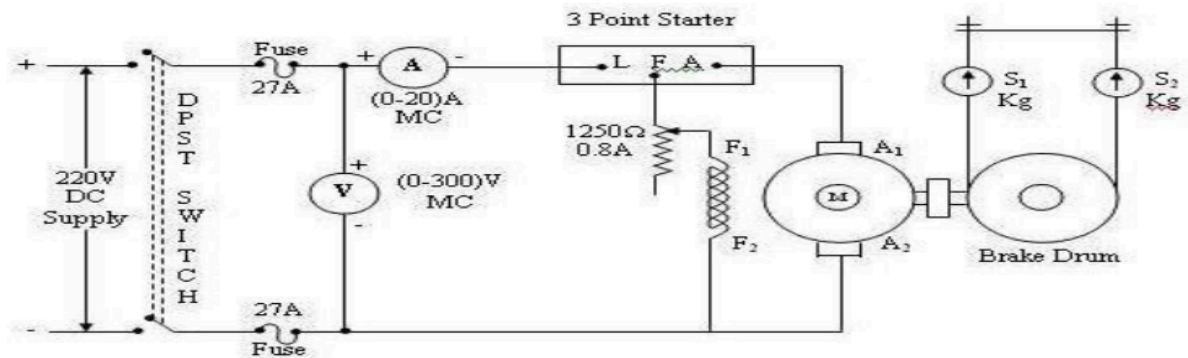


EXP12:



Activate Windo  
Go to Settings to acti

## EXP14



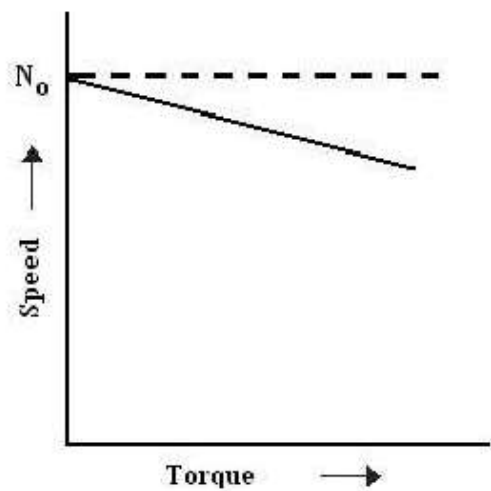
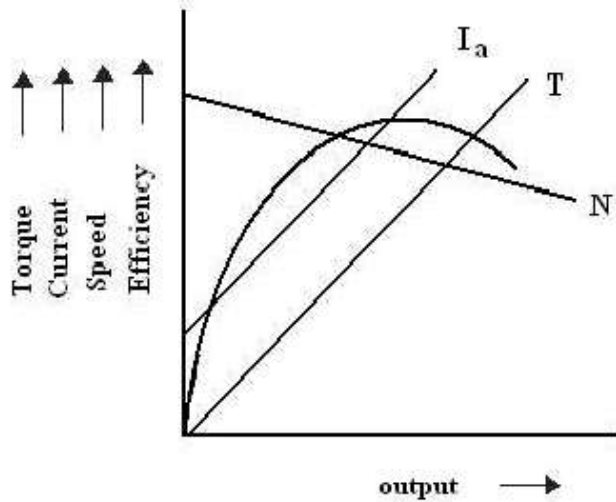
### FUSE RATING:

125% of rated current

$$\frac{125 \times 21}{100} = 26.25A$$

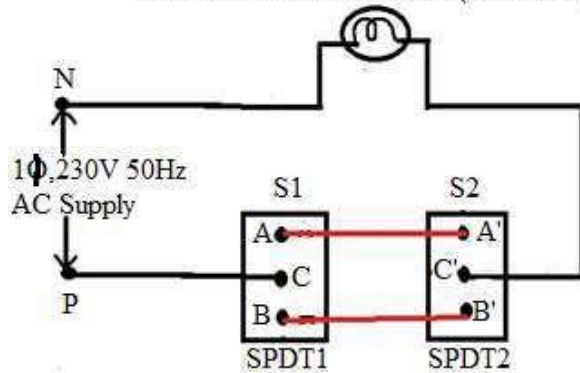
### NAME PLATE DETAILS:

Rated Voltage : 220V  
 Rated Current : 21A  
 Rated Power : 3.5KW  
 Rated Speed : 1500 RPM

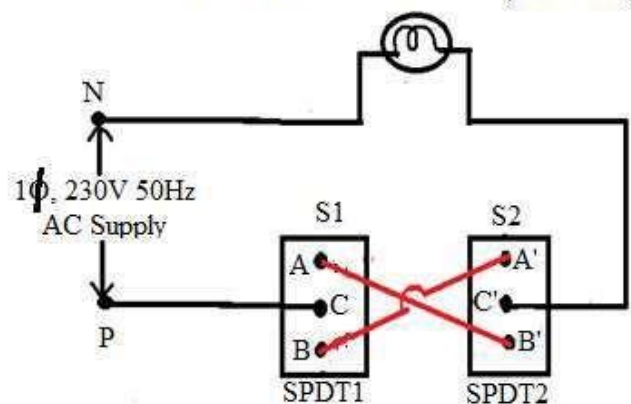


## EXP15:

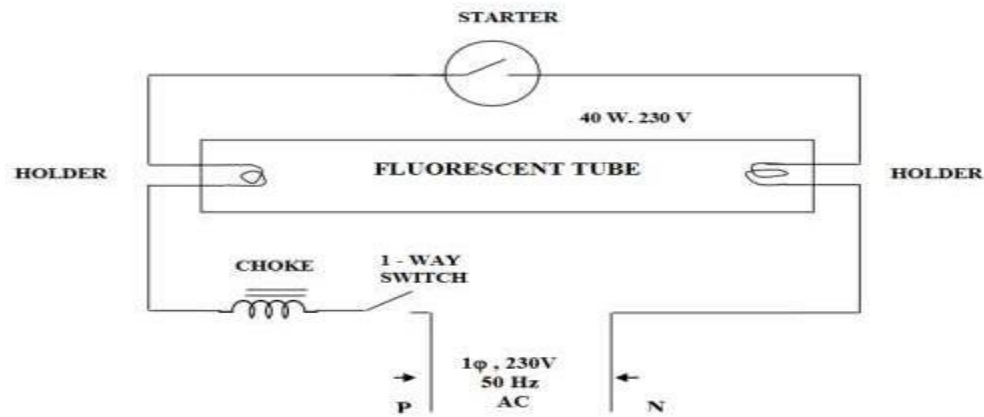
### INCANDESCENT LAMP (40W/60W)



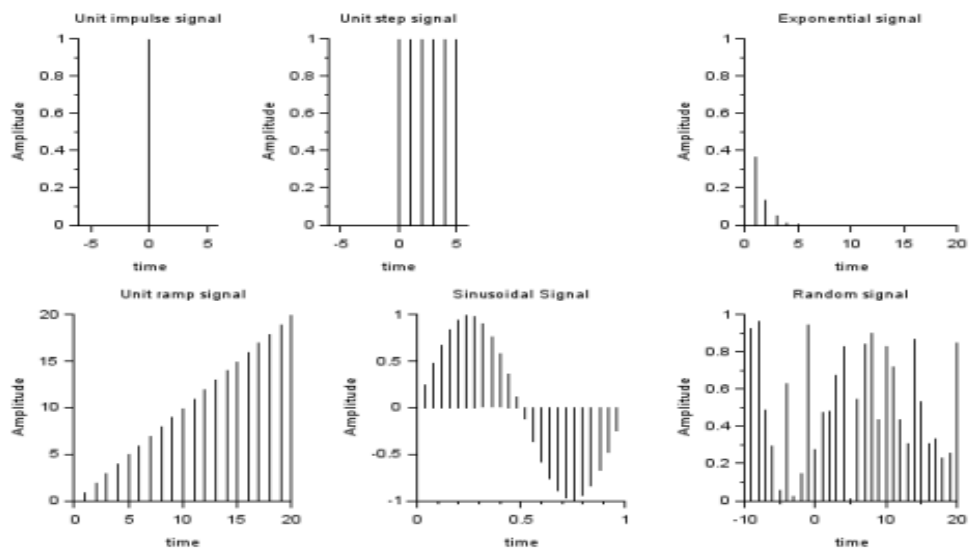
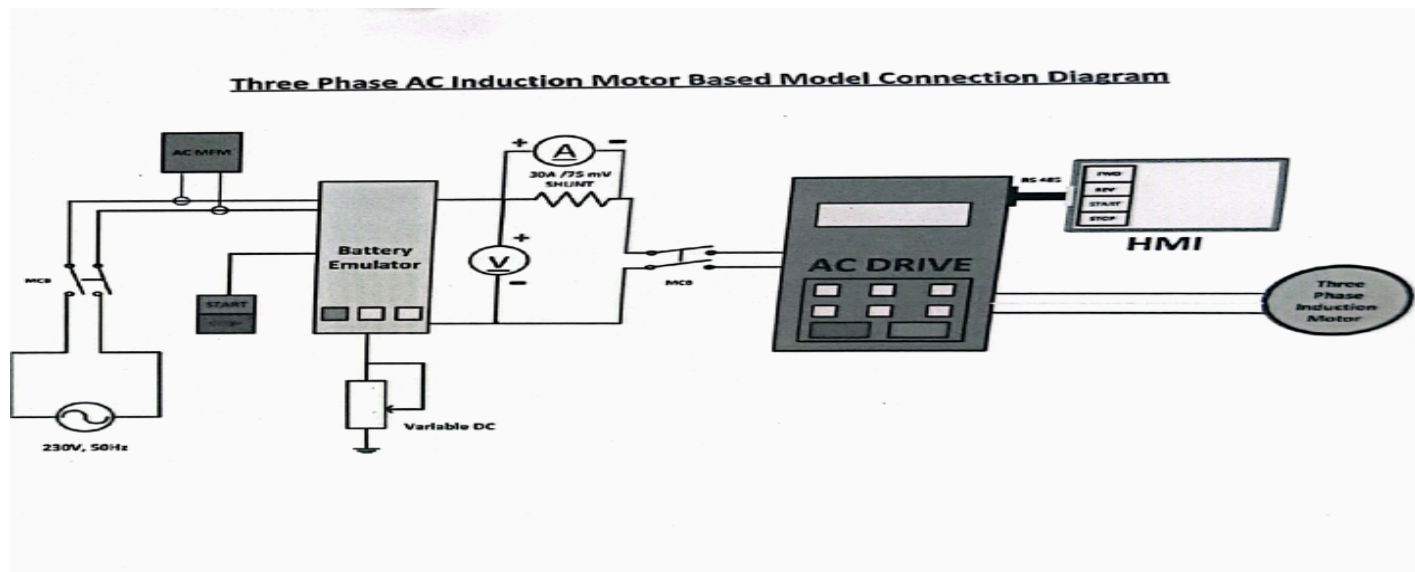
### INCANDESCENT LAMP (40W/60W)



### CIRCUIT DIAGRAM - TUBE LIGHT



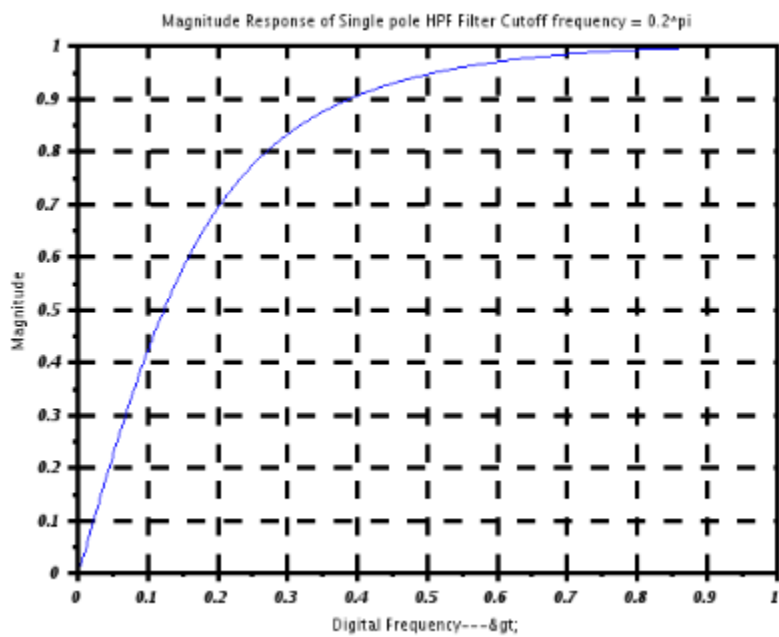
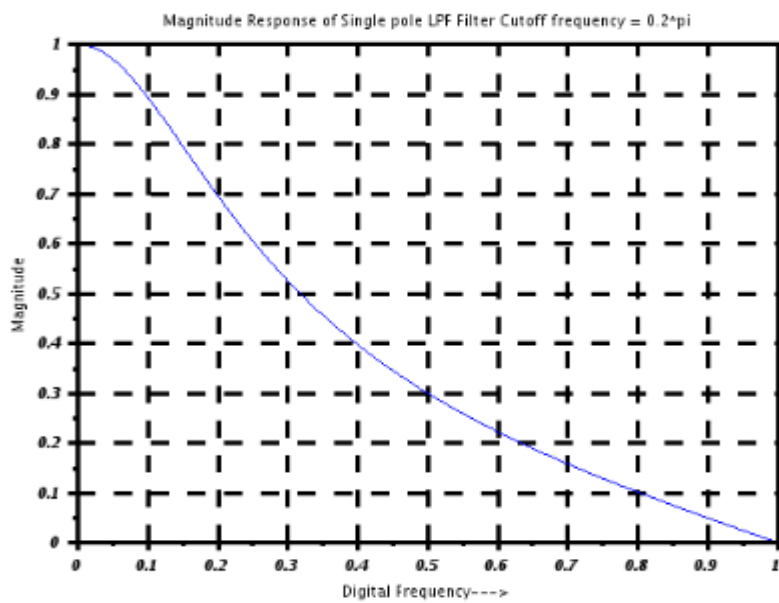
EXP16:



EXP17:

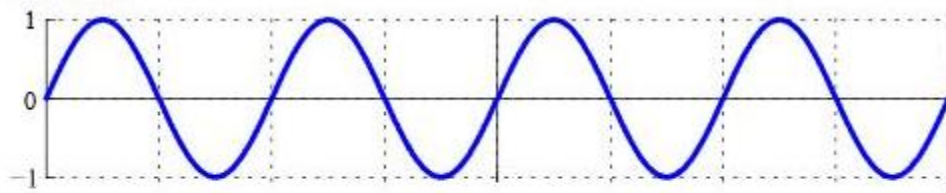


EXP19:

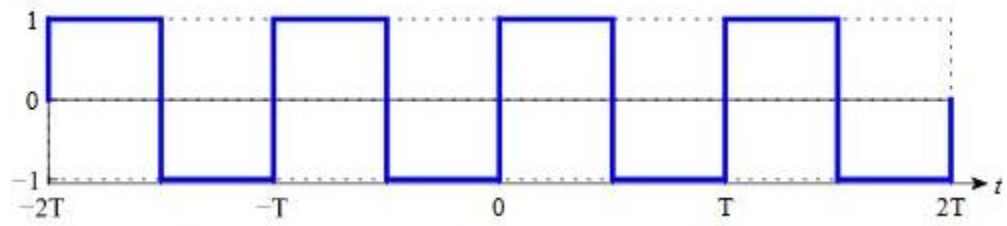


EXP 20:

Sine wave



Square wave



Triangle wave

