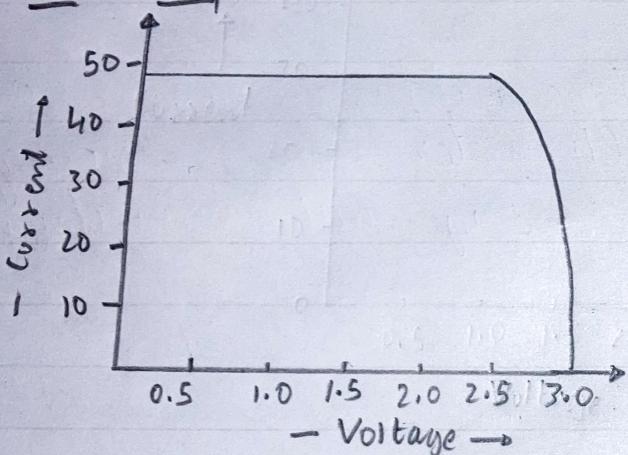
Photocell DiagramModel GraphOBSERVATION

## I. Illumination Characteristic

Intensity (cm)	Voltage (v)
11	0.26
20	0.16
29	0.11
38	0.08
42	0.06

## II. I-V characteristic

$R_L$ (Ohm).	Intensity $I_1$ (at distance 15 cm)		Intensity $I_2$ (at distance 20 cm)		Intensity $I_3$ (at distance 25 cm)	
	Voltage (v)	Current (uA)	Voltage (v)	Current (uA)	Voltage (v)	Current (uA)
100	0.12	0.35	0.10	0.25	0.08	0.15
220	0.14	0.30	0.11	0.20	0.09	0.13
330	0.16	0.25	0.12	0.17	0.10	0.11
470	0.18	0.22	0.13	0.15	0.11	0.10
1000	0.20	0.18	0.14	0.13	0.12	0.08
2000	0.22	0.10	0.15	0.10	0.13	0.05

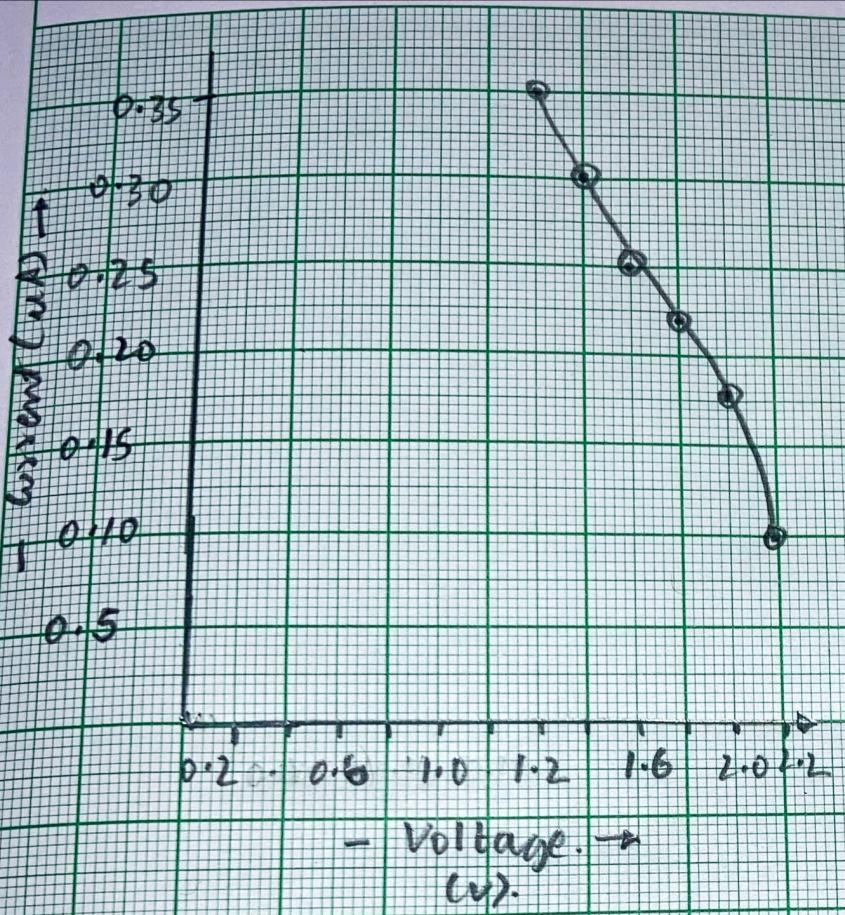
TO STUDY THE V-I CHARACTERISTIC  
OF PHOTO CELL

Aim:

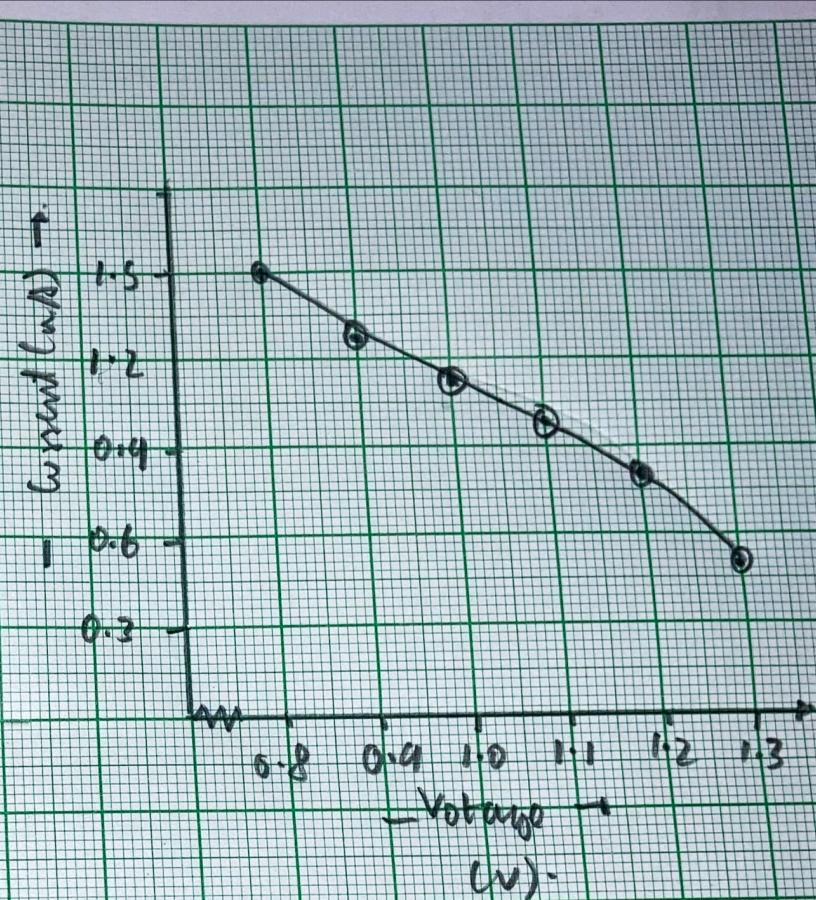
To study the I-V characteristic of Photo-electric cell.

Apparatus Req:

Photo cell (selenium) mounted in the metal box with connections brought out in terminal, Lamp Holders with 60W Bulb, Two moving coil analog meters ( $1000 \mu A$  &  $500 mV$ ) mounted on the front panel and connections brought out at terminals two single point and two multi points patch cords



(I) Distance = 15cm.



(II) Distance = 2.5cm.

## Results:

I-V characteristic of Photo cell was studied.