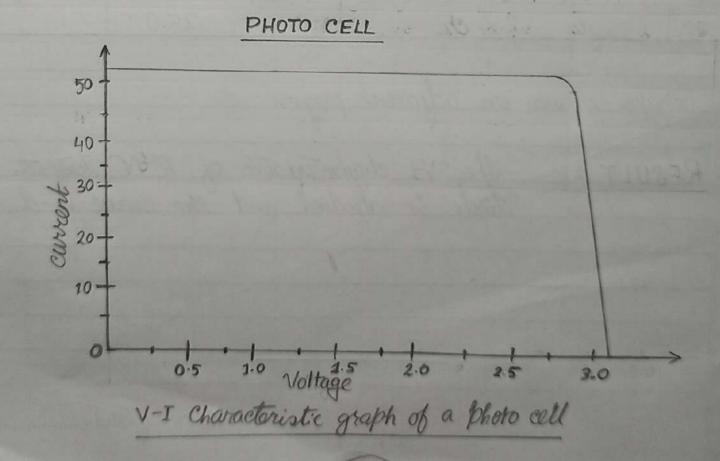


GRADUATED SCALE



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To study the I-V characteristics of a photo cell.

AIM: To study the I-V characteristics of photo cell

APPARATUS :

Photo cell (Selenium) mounted in the metal box with connections brought out at terminals, lamp holder with 60 W bulls, two moving coil analog meters (1000 MA & 500 mV) mounted on the front panel and connections brought out at terminals, two single point and two multipoints parch cords.

OBSERVATIONS:

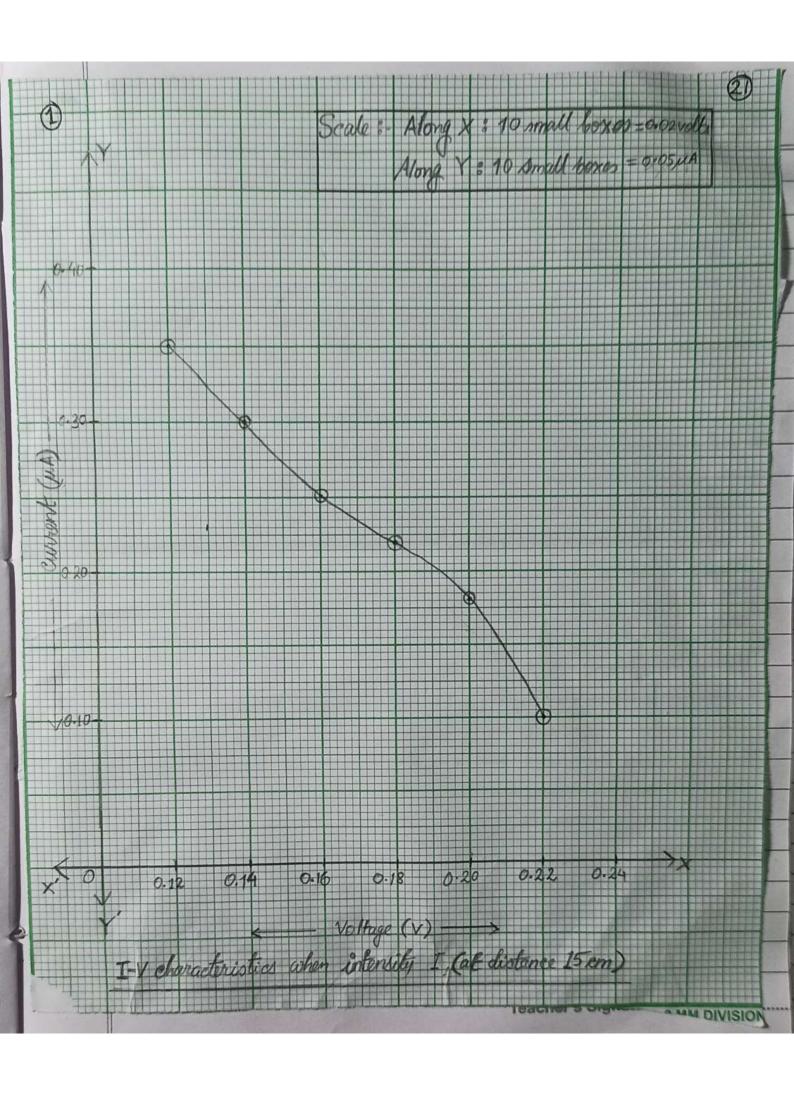
SL-NO	- glumination characteristics: Intensity (distance) (in cm)	Voltage (is V)	
1.	11	0.26	
2.	20	0.16	
3.	29	0.11	
4.	38	0.08	
5.	42	0.08	

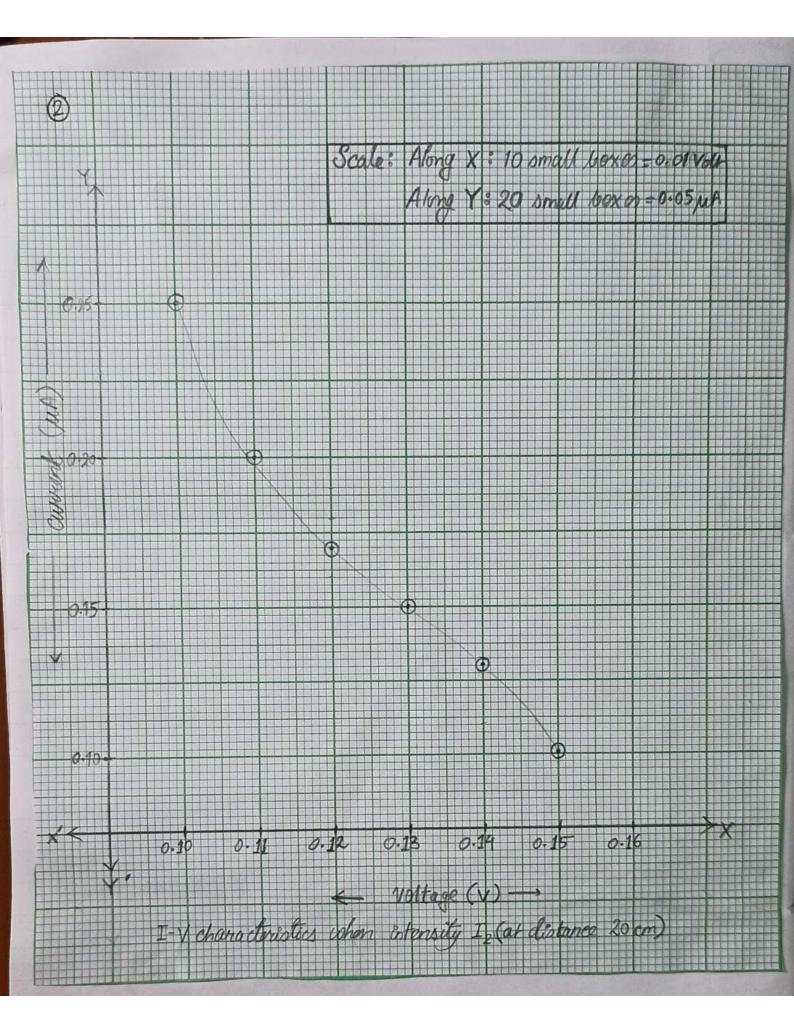
OXFORD

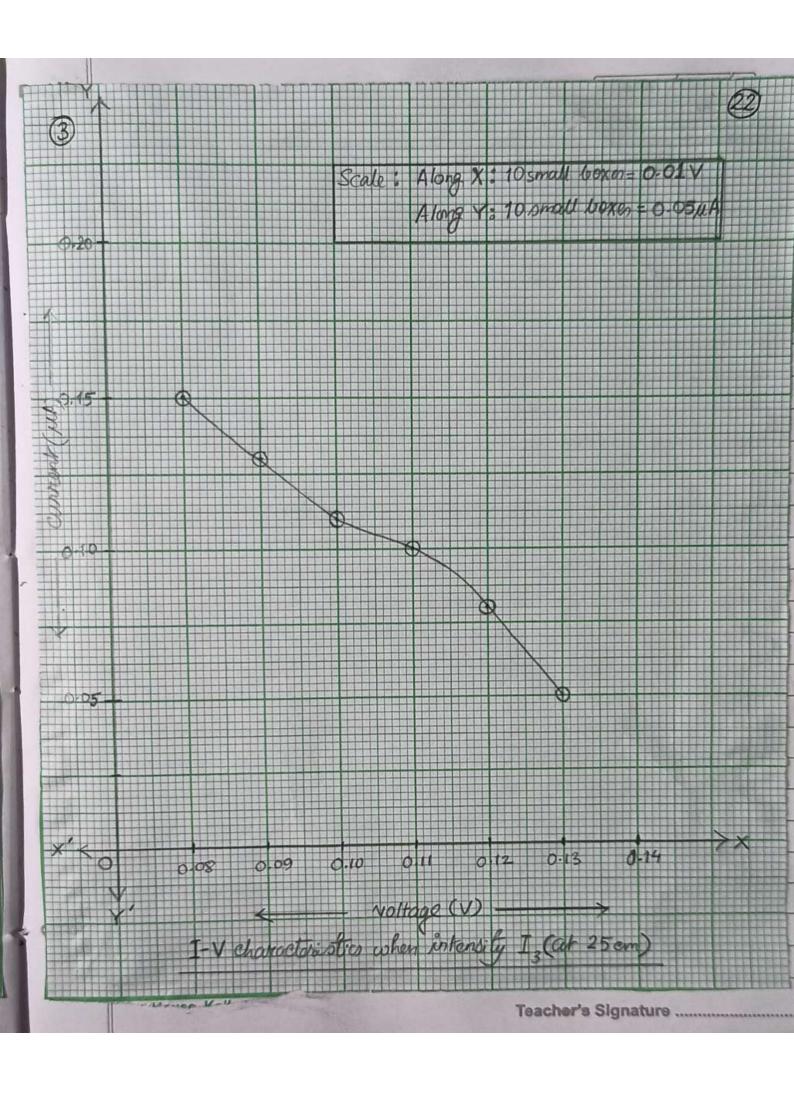
Teacher's Signature

Table 2: I-V Characteristic :

Intensity (at dist	I_1 unce 15cm)	Intensit (at die	ty Iz stance 20cm	Intensity I3 (at distance 25cm)		
voltage (volt)	Current (micro- amps)	Voltage (volts)	Current (micro- amps)	Voltage (volts)	Current (micro- amps)	
0.12	0.35	0.10	0.25	0.08	0.15	
					0.13	
	1	0.12	0-17	0.10	0.11	
		0.13	0-15	0.11	0.10	
	0.18	0.14	0.13	0.12	0.08	
0.22	0.10	0.15	0.10	0.13	0.05	
	(at dist voltage (volts) 0.12 0.14 0.16 0.18 0.20	(volts) (micro- amps) 0.12 0.35 0.14 0.30 0.16 0.25 0.18 0.22 0.20 0.18	(at distance 15cm) (at distance	(at distance 15cm) (at distance 20cm) voltage (voltage (voltage) Current (voltage) (voltage) (micro-amps) 0.12 0.35 0.19 0.25 0.14 0.30 0.15 0.12 0.16 0.25 0.18 0.22 0.13 0.15 0.20 0.18 0.14 0.13	(at distance 15cm) (at distance 20cm) (at dista	







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Teacher's Signature

RESU	ILT 8									
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ORD										