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Clean Energy	
	Y Y
Apparatus Required -	
solar cell (p-n junction dia	ode), Light Source (100W bully),
Anneter, Weltmeter, wad	circuit and connecting wires.
SLO: 10 about the I-V	charactoretics of a solar
cell and to fund out	charactorietics of a solar its oblicional and bill
Jactor.	
0	1 0
The must parties general	ed, Priga = Vap Imp (Where wort woltage values
Vap and Impare the au	wort holtage values
corresponding to maxim	um framer)
- V - T -	
FF= Vmp Imp Voc Isc	
NOC TZC	, (18)
100 P (111 0 M 17	00 00 At 1 0 0100 coll D
m - max (whow ,41 - 400	ea of the roles coll, se
HUZZ - Mallow Wife	our j
A4	
Observations -	
1 0 1 10 10 10 700	1
1. For duefance (); = 101	1 14 11 Po 011 = 10 072 11 1
Inp= 9m H Vmp=.	1.341/ Pmadl = 0.0721W/ 2775 x10-4n2
12-21/W/m2 Ac=	C1.17 X10 12
	Top all outs Circus towns
	Teacher's Signature:

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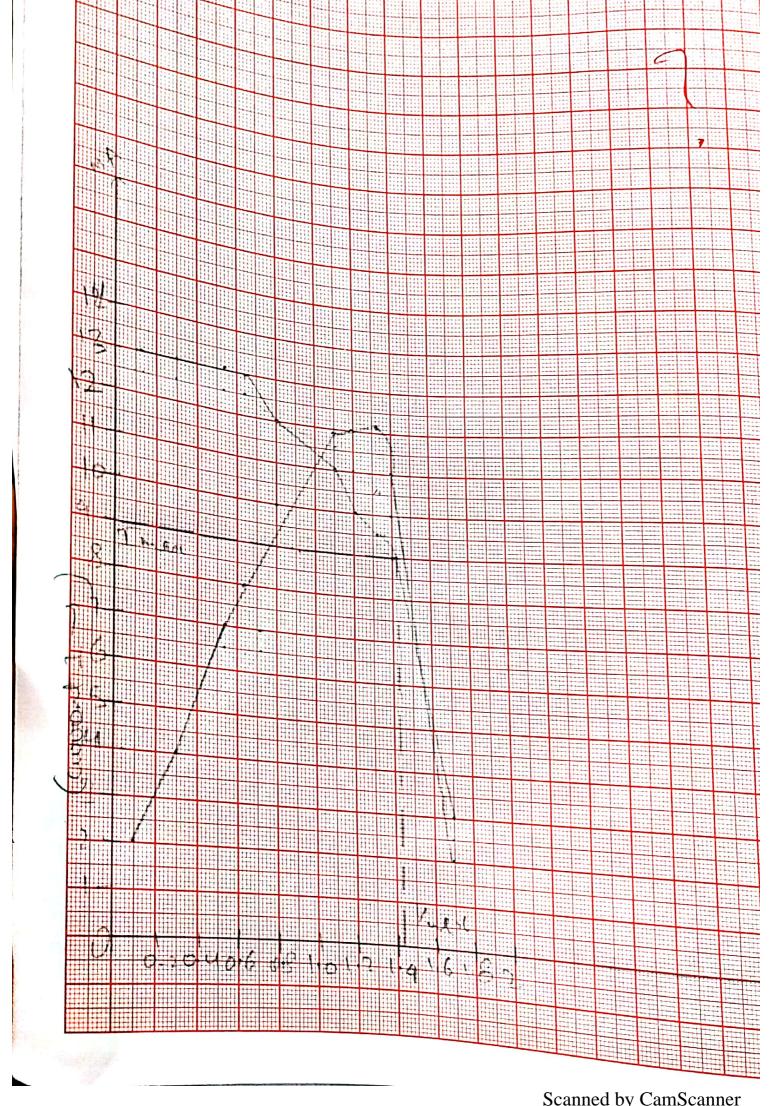
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Load Resultanco	Distance (A)=50m7cm Intersity of light =25) Currentonal wellege (1)	(mu) Power - 181
10 22 42 56 82 100 150 180	17.5 13 0.15 12 0.55 13 0.55 13 0.55 13 0.55 10 0.65 10 0.65	1-2×10-3 0.002 5-4×10-3 0.007 6×10-3 0.003 7-2×10-3 0.019 1-×10-3 0.019 1-×10-3 0.012 10.4×10-3 0.012 10.4×10-3 0.012 10.4×10-3 0.003

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Reputty Persul T-x characte and the ma and elliciona rowice—elt &	Diesties of d anc. power p y were calcu	Laked hortus	were studied etal, FF different
for x,= lan	-Efficiency, 1	1 = 2-45%	FF=_0.58
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