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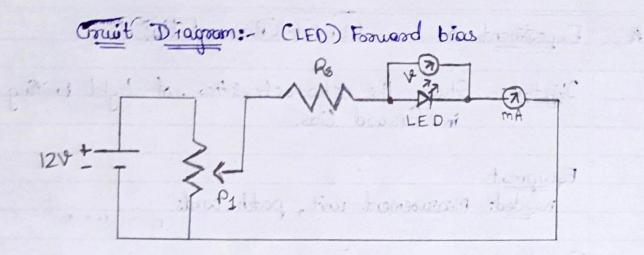
Subject: Physics

Subject Code: 102001213

Class: 2-CE-1

Enovollment No: 12002040701067

The second process of the second seco			
*	Experiment -31 [ILED] (Porguared blas):		
	Objective: - Study the characteristics of Light Emitting diode in Forward Gias.		
	readed: Massurement unit, patch cords		
8	Procedure:		
3 1.	Before Switch CON's measurement unit, connect the		
Can in the	1. Before Switch ON's measurement unit, connect the circuit as shown in circuit diagram.		
2.	Switch CON? the powers supply.		
3	Rota le mtention de la Pallu in counter chockense		
	Rotate potentionneters Pr fully in counter chockenise		
9	Vary the potentionneter Ps so as to increase the value of diode Vo from 0 to 14 in step 2 measure the corresponding values of diode current To in an Observation Table.		
3	the corresponding values of disde current To in an		
	Observation Table		
5.	The as shown in nature of graph.		
	In as shown in nature of graph.		
	62.		
	Conclusion:		
•	we can conclude that the imp characteristics of		
	LED in forward dies and also get to known		
	about the nature of graph.		
vision			



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06servation	Table:	_
Coscordion	Tance	

å,	tanna) sat	in the mention 40° 1	plant and t
	5.8. No	Diade Voltage Vo (Volts)	Diode Current In (mA)
	1	0.10	0.0
	2	0.21	900° 1410.0 0
	3	0.33	0.0
	1004 roku	100 4: pl 0.421 ashmet	otog selet 0.0
	5	0.53	0.0
	6	0.66	0.0
1	Tox:	Held and a CE 0. FF. welanghield	19 21 × 1000 1
	8 4018	312 d 0.86 worth of	00, diede 1
	3900	show to 0.97 July pribate	923460 0.0
	10	1-08	rocks a 0.0
	11	1-2	0.00 CKnee
	12	Har shirt 1.31 min 210	0-27 1080 W Votuge
	13	Agree to 1.41 me in	1.52 500
	14	1.53	3.44
			- CVC 1811 CVC

Result: - 1. god of the delines were

the value

to bus soils browned 1. Forward resistance of silicon diode Rf = 48.14 12 2. Knee Voltage of Silicon diode = 0.27