

E	experiment No. :
•	Vame of the Experiment: Y-I charcuteristics for P-N junction diode.
	Am: To Plot the V-I chronacteristics of P-N junction diode and zener diode
<u> </u>	APPARATUS REQUIRED:
	* Diode
	* voltmeter
	* Ammeter
	* Ruiston
	* Bruciel borid
	* Connecting wirel
	* Oc-Pour dupply (0-30v) / Voltage Lource.
	THEORY:
	* Diode in a demi-conductor during in I
	* Diode is a demi-conduction durice that cuentially acts as
	* if a Single Remi-Conductor mutal is dead to
	* if a Single Semi-conduction outstal is doped to P-type on one-side and n-type on the other. The area where the P and n-type region meet is called as P-N junction. The resulting device is
	the area where the P and n-tupe treation mut is
	called as P-N junction. The resulting divice is
	a diode.
	nortals amos beneate in nortanic n-a rules *
-	at the n-side are attoracted and holes are on the
	V-Side Because of the ions accumulation, barrain
	* When P-n junction is foound some electron at the n-side are attoracted and holes are on the P-side is execuse of the ions accumulation, barrier Voltage is wested at the junction.
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Tabular Column:

	tanword big	w:		
	Vin	VR	IR	
merni	55 1 W 1 50	त्य कार्यास्य	ist: higher.	1,00,007
Car	0.2	1 VO.2 1 Walsh	und on fi	are are
J.A.3	Luco, 4 Boars	10 0.400 b	TO CO O AND AND	pularet c
	0.6	100 - 0.50 A	waton about	5 And
	0.8	0.5	0.2	
	1.0	0.6	0,4	+ Hills ft.
hoo		(10.60)		W ATT
	3.0	int bio: 6 ball	1 108,5016	rure si
	4.0	0.6	3.6	1
	5.0	0.6	4,6	

Reserve biase: Vin VR IR 0 0.0 0 0.2 06.0-0 -0.39 0.4 0 -0.Q -0.44 0.6 0.8 -0.47 -0.4 -0.48 1,0 -0.b -1.6 2.0 -0.52 3.0 -a.7 -0.53 4.0 -0.55 -3.7 -4.8 5.0 -0.57

Name	of the Experime	ent :			***************************************		***************************************	
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Pin	ult:							
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					Ayv.	9-11		
				(TA)	Ager,	V = 11		
					Apr.	y = \f		
					NIN.	V = 1/1		