

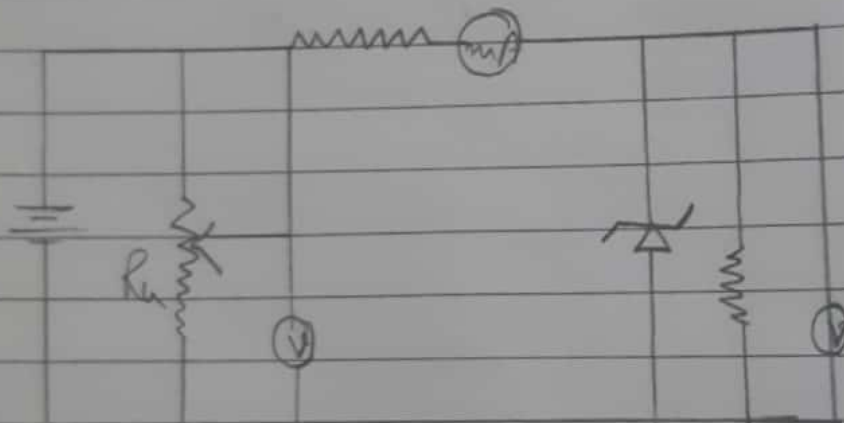
NAME - Prachi Verma  
 En No - 19102165  
 Subject - Physics

## PHYSICS LAB EXPERIMENT - 2 ZENER DIODE

(A)  
 AIM: To draw the static current voltage (I-V) characteristics of junction diode.

APPARATUS: Diode, resistor, variable DC power supply, milliammeter, Voltmeter, Rheostat & wire.

Circuit Diagram



Rheostat value (R)	series Resistance $R_s$	$R_L$	$I_Z$ (mA)	V
1000	500	18000	0.0000	0
900	500	18000	0.0001	116
800	500	18000	0.000	2.31
700	500	18000	0.0001	3.463
600	500	18000	0.0000	4.610
500	500	18000	0.3292	5.595
400	500	18000	2.7047	5.596
300	500	18000	5.1005	5.597

200	500	18000	7.5244	5.598
100	500	18000	9.9844	5.599
0	500	18000	12.4889	5.6

