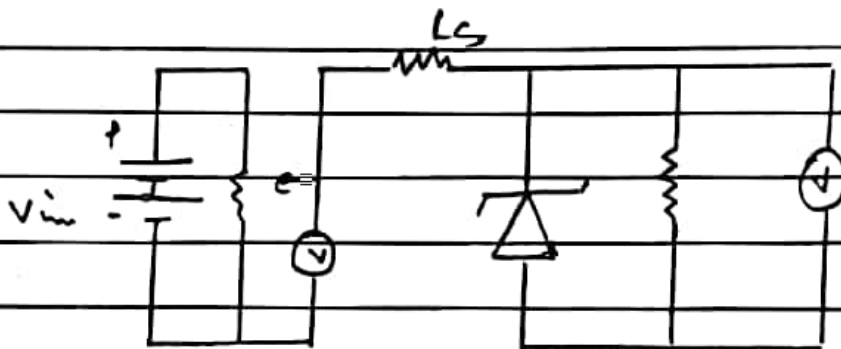


## Physics V-Lab Experiment 2(a)

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

Apparatus: Diode, resistor, variable D.C. power supply, milliammeter, voltmeter, rheostat and wires

Setup:



<u>Observation</u>	Rheostat Vd.	Series Resistance ( $\Omega$ )	$R_c$	$I_s$ (mA)	$V$
	100	500	18000	0	0
	900	500	18000	0.0001	1.15
	800	500	18000	0.0001	2.3
	700	500	18000	0.0001	3.39
	600	500	18000	0.0001	4.65
	500	500	18000	0.5346	5.6
	400	500	18000	2.8219	5.61
	300	500	18000	5.1215	5.611
	200	500	18000	7.5162	5.613
	100	500	18000	9.8927	5.618
	0	500	18000	12.5012	5.62

