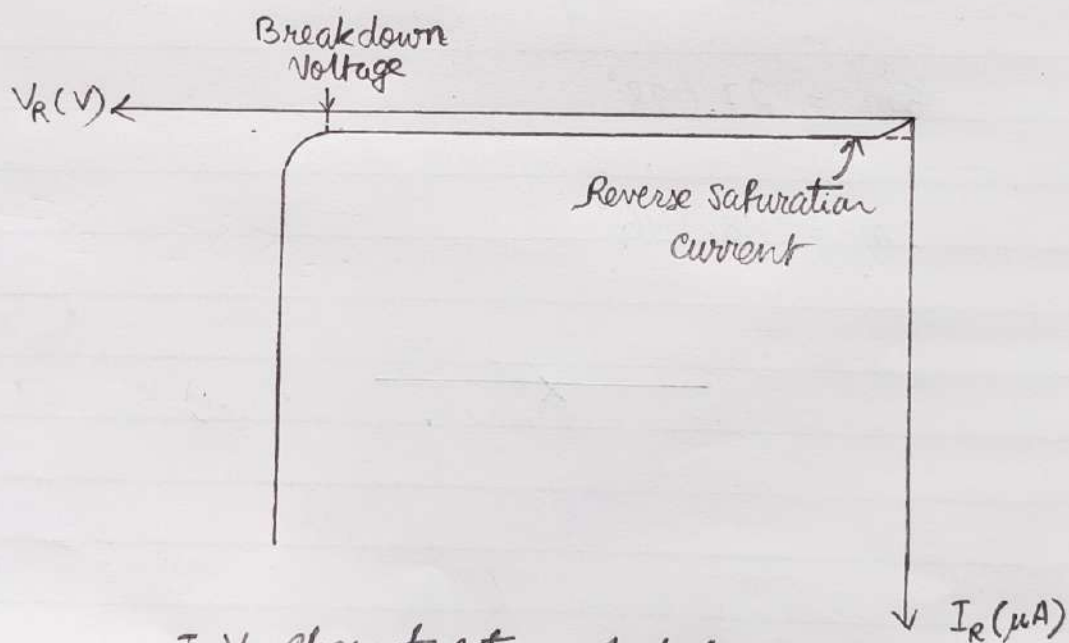


PN Junction Reverse Bias



I-V Characteristics of diode

Characteristics of PN Junction Diode under the Reverse Bias

AIM: To plot the characteristics curve of PN junction diode in reverse bias.

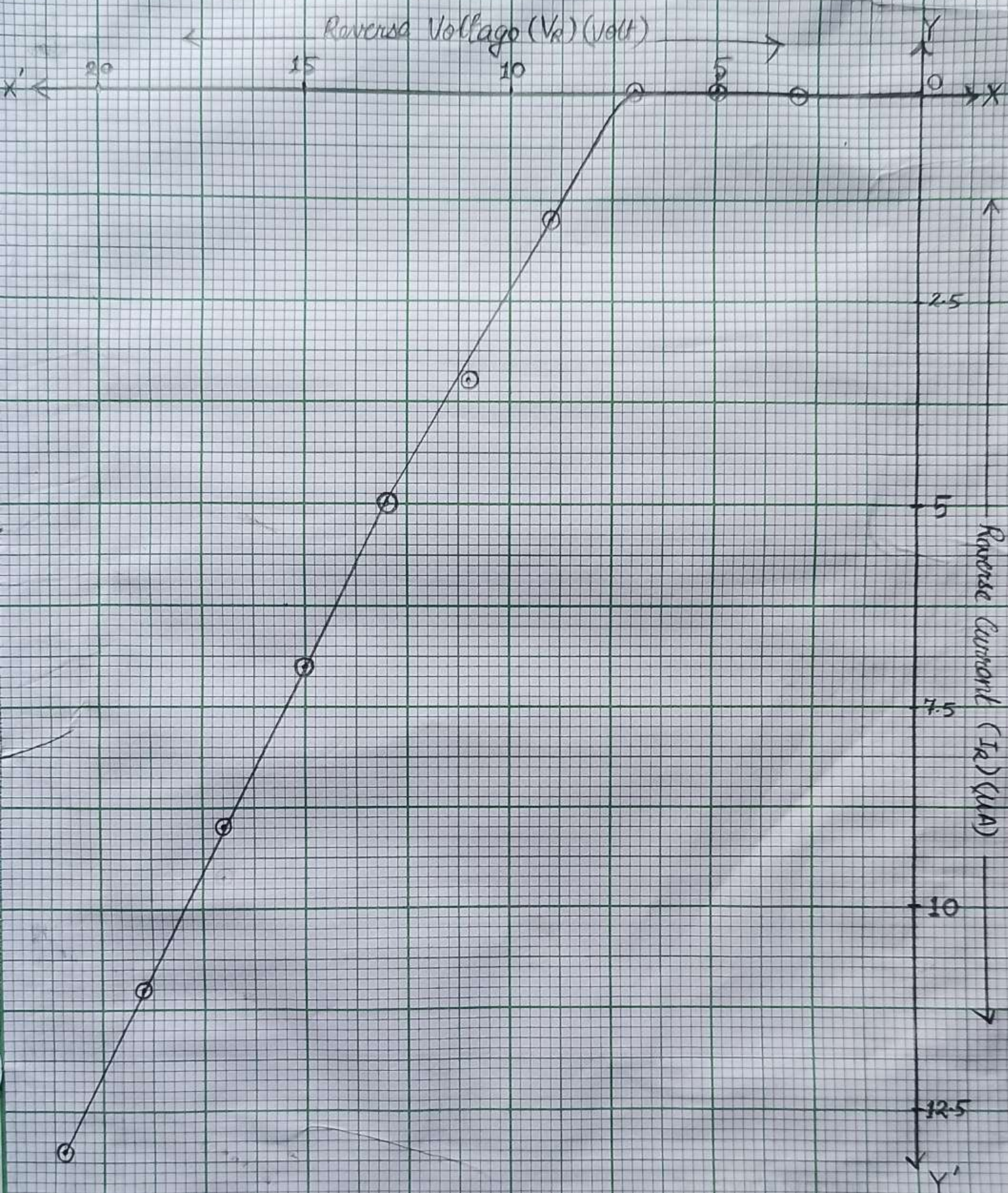
APPARATUS:

A diode, DC voltage supplier, bread board, $100\ \Omega$ resistor, 2 multimeter for measuring current, and voltage and connecting wires.

OBSERVATION:

S No.	Reverse Voltage (V_R) (volt)	Reverse Current (I_R) (μA)
1	0	0
2	3	0
3	5	0
4	7	0
5	9	1.5
6	11	3.5
7	13	5.0
8	15	7.0
9	17	9.0
10	19	11
11	21	13

Scale: Along X: 20 small boxes = 5V
 Along Y: 40 small boxes = 5 μ A



I-V Characteristic Graph

RESULT :

The reverse biased I-V characteristics of PN junction diode is studied and the curve is drawn.