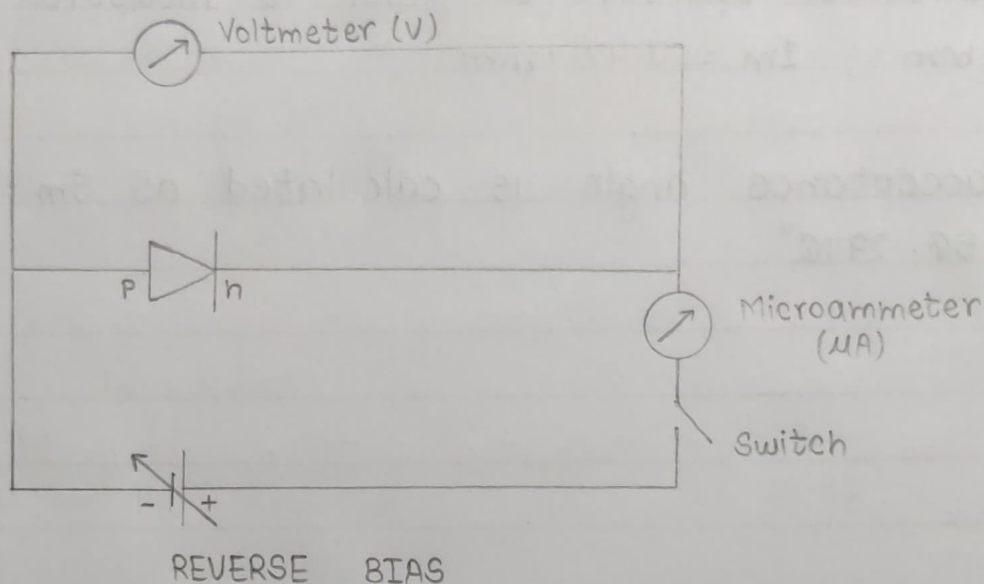


DIAGRAM  $\Rightarrow$



OBSERVATION  $\Rightarrow$

Sr. No.	Reverse Voltage ( $V_R$ )	Reverse Current ( $I_R$ )
	(volt)	( $\mu A$ )
1.	0	0
2.	3	0
3.	5	0
4.	7	0
5.	9	1.5
6.	11	3.5
7.	13	5
8.	15	7
9.	17	9
10.	19	11
11.	21	13

## CHARACTERISTICS OF PN-JUNCTION DIODE UNDER REVERSE BIAS.

AIM  $\Rightarrow$

To plot the characteristics curve of PN-Junction diode in reverse bias condition.

APPARATUS REQUIRED  $\Rightarrow$

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

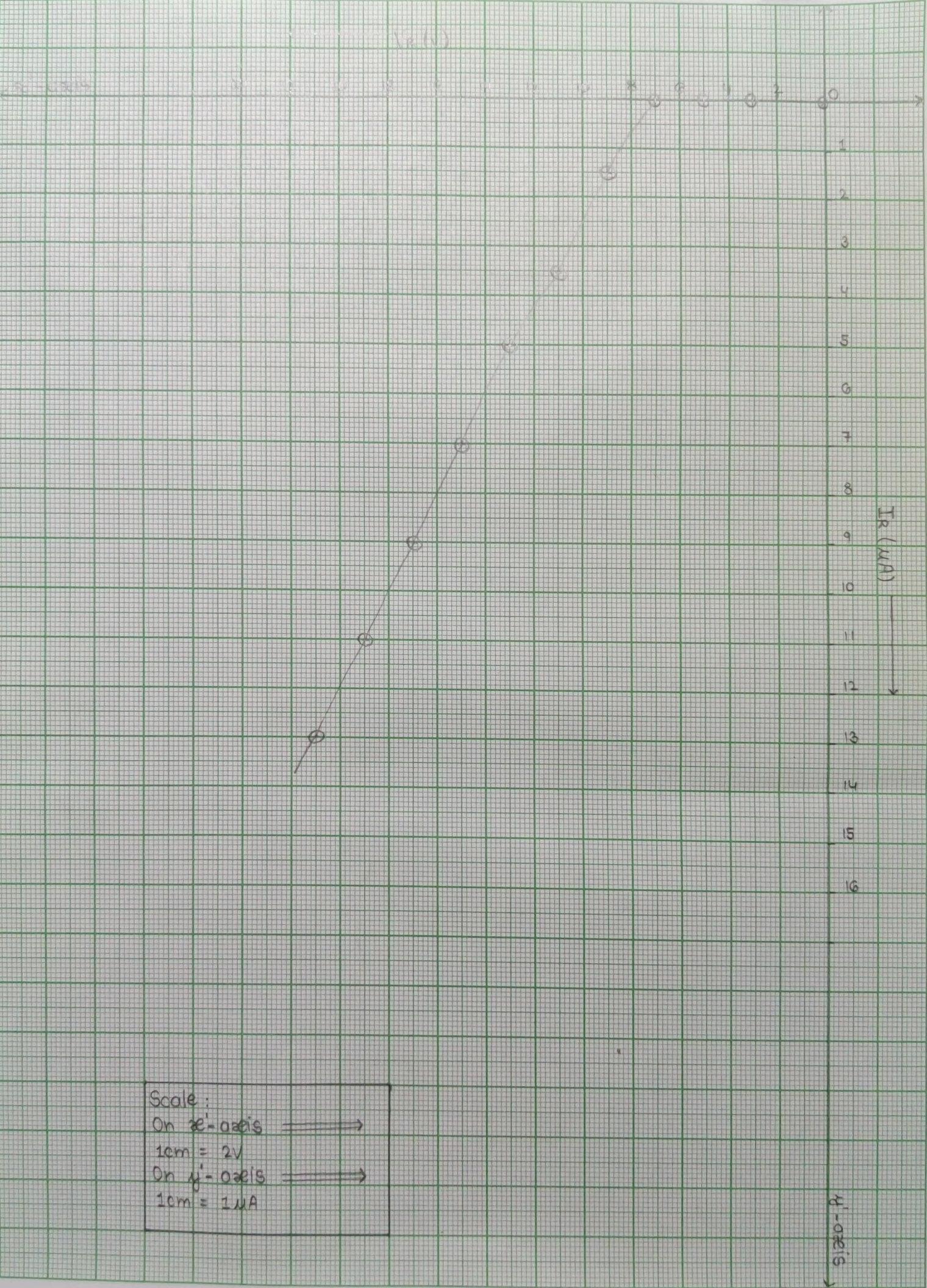
RESULT  $\Rightarrow$

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

Teacher's Signature \_\_\_\_\_



Current ( $\mu A$ )



Scale:  
 On x-axis  $\longrightarrow$   
 1cm = 2V  
 On y-axis  $\longrightarrow$   
 1cm = 1 $\mu A$

y-axis