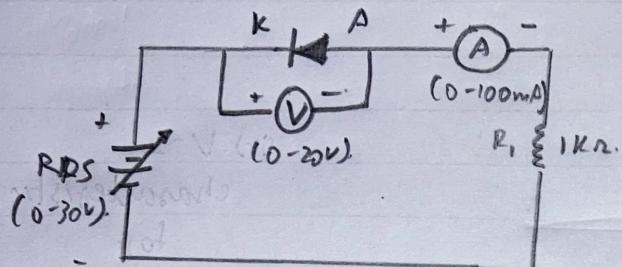


	Experiment
Name	.....



Circuit Diagram

P-N Junction Diode Forward bias.

OBSERVATION TABLE

Sr.No	Forward Voltage ( $V_f$ ) (V)	Forward Current ( $I_f$ ) (mA)
1	0	0
2	0.2	0
3	0.4	0.5
4	0.6	1
5	0.8	2
6	1.0	3
7	1.2	5
8	1.4	7.5
9	1.6	10
10	1.8	15
11	2.0	20
12	2.2	25

Teacher's Signature .....

## CHARACTERISTIC OF PN JUNCTION DIODE UNDER FORWARD BIAS

Aim:

To plot the characteristics curve of PN junction diode in forward bias.

Apparatus Req:

A diodo, DC voltage supplier, Bread Board, 100 $\Omega$  resistor, 2 multi-meter for measuring current & voltage along with connecting wires.

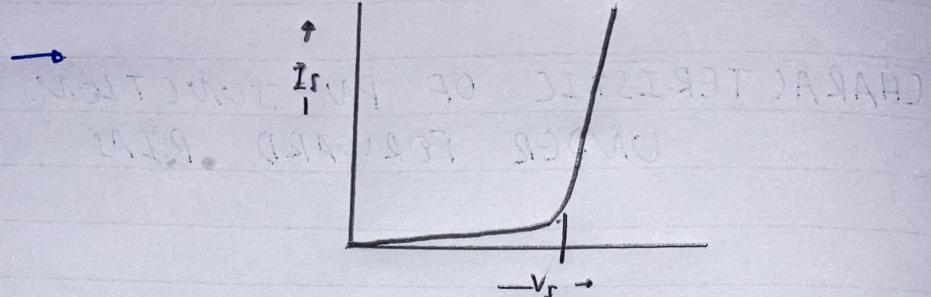


Experiment

Name .....

Model 1

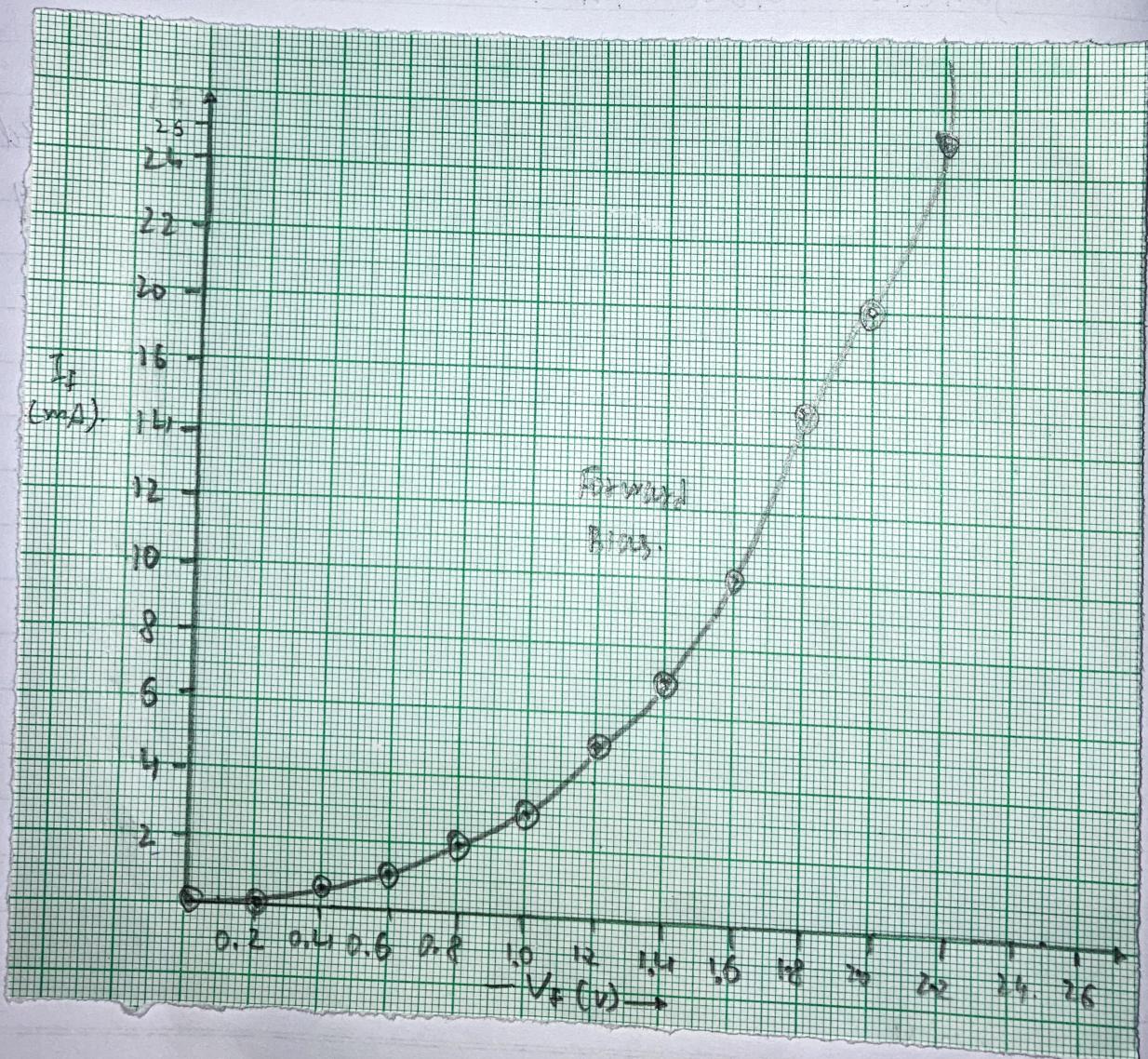
Graph



GRAPH:

For V-I characteristic with help of

and drawn in graph paper



Teacher's Signature .....

Date 17/11/20

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RESULT :

The V-I characteristic of PN Junction Diode is studied & curve is plotted.

Teacher's Signature .....