

Study of the characteristics of PN junction Diode and Zener Diode

Experiment no.

Date:

Aim: To study the VI characteristics of PN junction and Zener diodes.

APPARATUS REQUIRED:

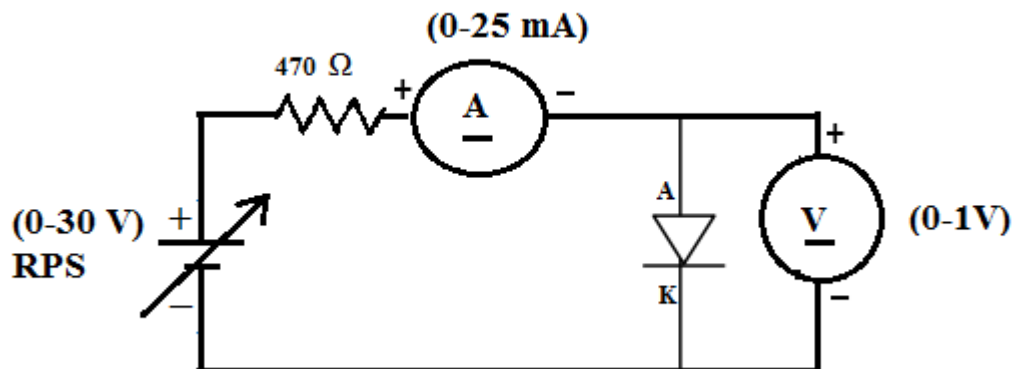
S.No.	Name	Range	Type	Qty
1	R.P.S			
2	Ammeter			
3	Voltmeter			

COMPONENTS REQUIRED:

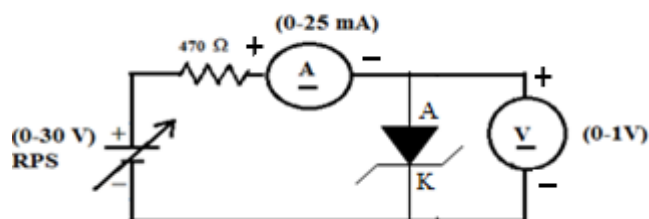
S. No	Name	Range	Type	Qty
1	zener diode			
2	PN junction diode			
3	Resistor			
4	Bread Board			
	Wires			

Circuit Diagram:

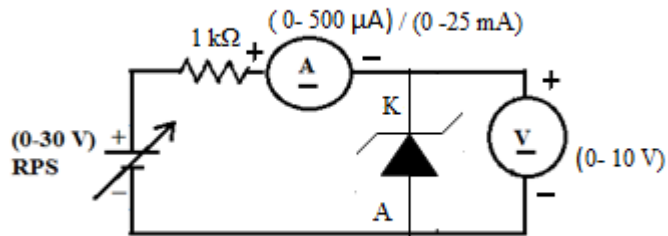
Forward bias of PN junction diode



Forward bias of Zener diode

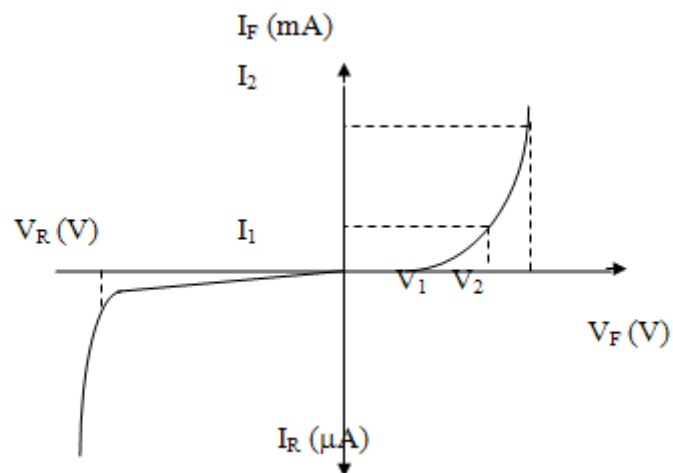


Reverse bias of Zener diode

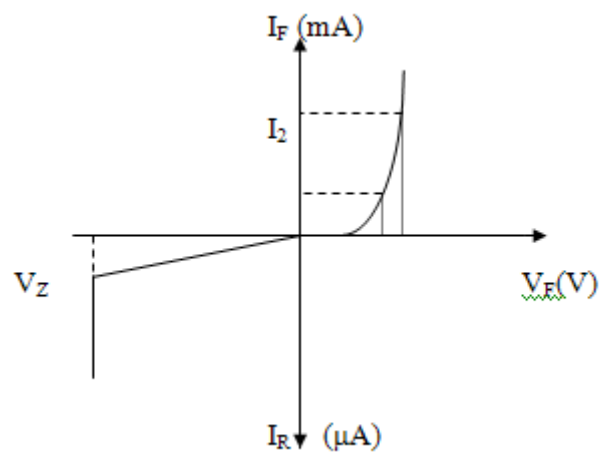


Model Graph

VI characteristics of PN junction diode



VI characteristics of Zener diode



Procedure:**1. V-I characteristics of PN junction and Zener diode****Result**

Thus, the VI characteristics of PN junction diode and Zener diode were studied.