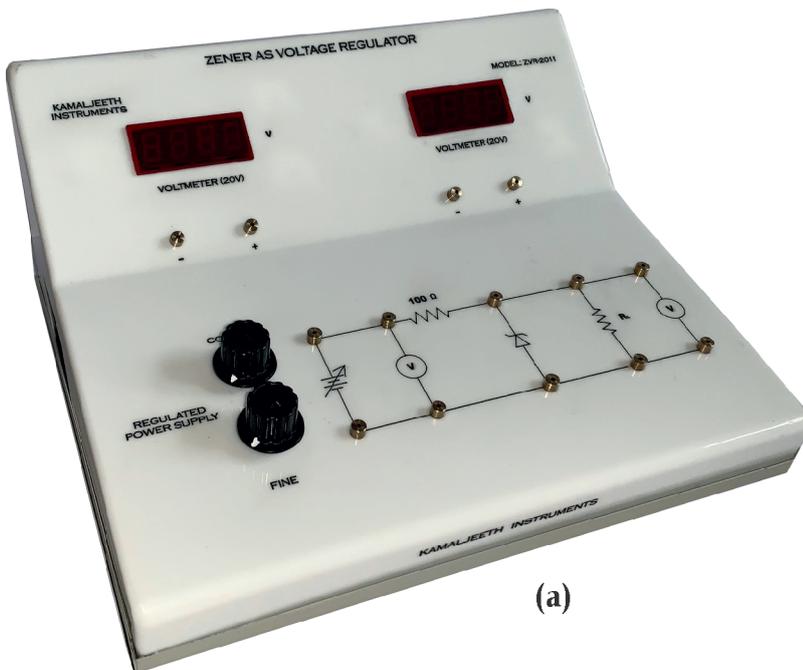


Experiment(s):

1. Understand the working of zener diode and use it as voltage regulator

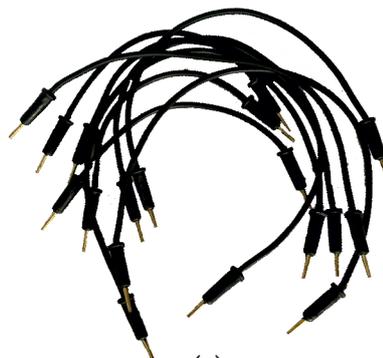
(For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(b)



(c)

Experiment setup consists:

- a) Zener diode as voltage regulator kit
- b) Set of zener diodes
- c) Set of patch cords

Specifications:

a) Zener diode as voltage regulator kit

Voltmeters: Digital DC voltmeter (2 nos)

Display: 3½ digit, LED

Range: 20 V

Resolution: 0.01 V

Power Supply: Regulated variable voltage 0-20V DC with coarse and fine controls

Components: Built in fixed load resistance

b) Zener diodes

Set of 4 different breakdown voltages

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Power Consumption: <30 W

Cabinet: Acrylic body, aluminium bottom

b) Set of diodes

Breakdown voltage 3.6V, 5.1V, 9.1V and 12V

c) Patch cords

Set of standard 2 mm patch cords of different lengths with spare cords



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