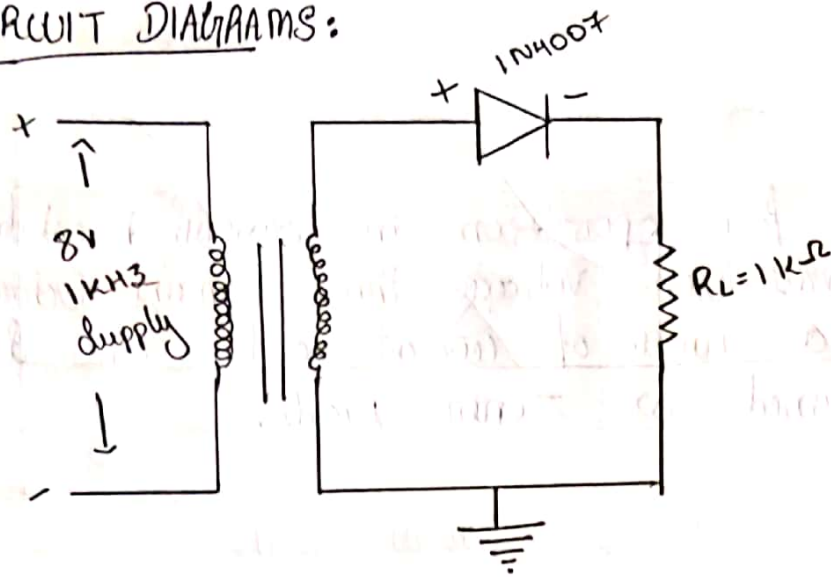
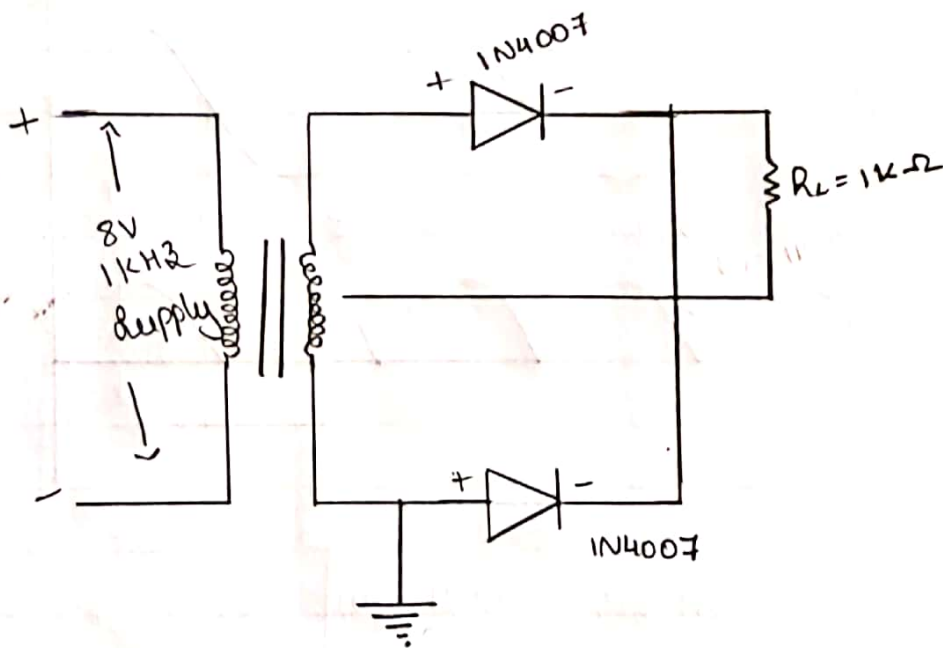


CIRCUIT DIAGRAMS:



Half wave rectifier



Full wave rectifier

Name of the Experiment : Full wave Rectifier and Half wave rectifier

Aim: To Plot the input and output waveform of Half-wave rectifier and full wave rectifier.

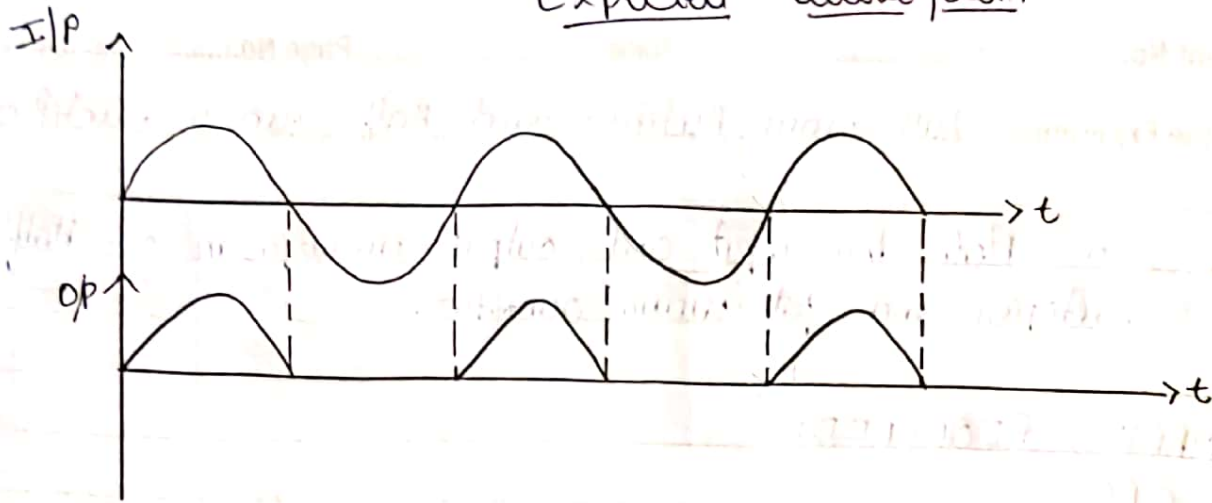
APPARATUS REQUIRED:

- * CRO
- * Signal Generator
- * Bread Board
- * Connecting wires
- * Probes
- * transformer
- * Diode [IN4007]
- * Resistor [1K- Ω]

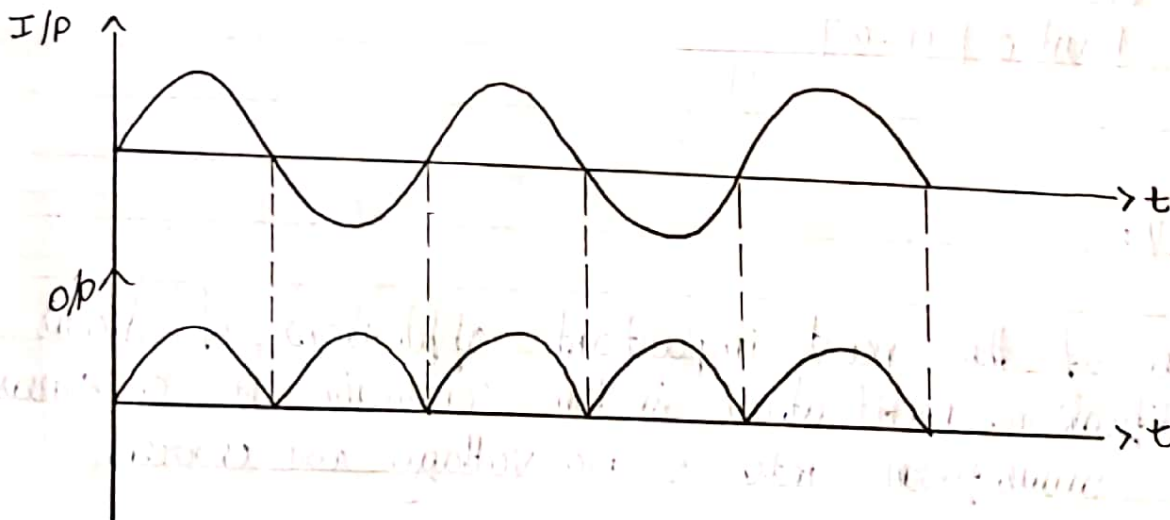
THEORY:

- * One of the most important applications of diodes is rectification. Rectification is the conversion of a sinusoidal AC waveform into a DC voltage or current.
- * Half wave rectifier rectifies only half the cycle of an AC input signal. It rectifies either only +ve half cycle or -ve half cycle.
- * Full wave rectifier both the half cycle of the input signal. It consists of centre-tapped transformer and two diodes.

Expected waveform



Half-wave rectifier



full-wave rectifier

Experiment No. : Date: Page No.:

Name of the Experiment :

Result:

The input-output waveforms of Half-wave and full wave rectifier is plotted