Power Electronic Training Board has been designed specifically for to study the forced commutated circuits.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

To study the forced commutated circuits.

01. Class - A or self commutation by resonating the load.
02. Class - B or self commutation by an LC circuit.
03. Class - C or commutation through charged capacitor switched by another load carrying. SCR
04 Class - D or commutation through charged capacitor switched by an auxillary SCR.
05. Class - E or an External pulse source commutation.

Features:

The board consists of the following built-in parts :

01. 30V D.C. at 150mA Fixed Power Supply.
02. 5V D.C. at 50mA Fixed Power Supply.
03. 5Hz Square wave Oscillator.
04. UJT Triggering Circuit for SCR's.
05. Two PUSH-TO-ON switch.
06. NPN Transistor.
07. Inductor.
08. Diode & LED.
08. Capacitor Bank.
09. Adequate no. of other Electronic Components.
10. Mains ON/OFF switch, Fuse and Jewel light.
11. The unit is operative on 230V ±10% at 50Hz A.C. Mains.

* Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ metre.
* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

* Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)

Note: Specifications are subject to change.

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