



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 \pm 10% at 50Hz A.C. Mains.
- * Adequate no. of patch cords stackable 4 mm spring loaded plug length 1/2 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.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in