

Computer Logic Training Board has been designed specifically for the study of 4 line to 16 line Decoder, 1 to 16 demultiplexer and its application as sequencer. This Training Board gives a better understanding of decoding 4 lines to 16 lines. It also explains the phenomena of Demultiplexing with one input signal and sixteen outputs using four control signals. It gives an idea to sequence among a number of states.

The board is absolutely self contained and requires no other apparatus. Practical experience on this board carries great educative value for Science and Engineering Students.

**Object:**

01. To demonstrate the operation of a 1 line to 16 line demultiplexer.
02. To demonstrate the operation of 4 line to 16 line decoder.
03. To demonstrate how 4 line to 16 line decoder can be used to sequence among any number of states, between one and fifteen. (This is called a programmable sequencer with 4 binary inputs and 16 outputs).

**Features:**

The board consists of the following built-in parts :

01. +5V D.C. at 200mA, IC regulated power supply internally connected.
02. 1 to 16 Decoder/Demultiplexer IC.
03. LEDs (22 No's) for visual indication of status.
04. SPDT (6 No's) switches for logic selection.
05. Adequate no. of other Electronic Components.
06. Mains ON/OFF switch, Fuse and Jewel light.
- \* The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
- \* 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.

Note: Specifications are subject to change.

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