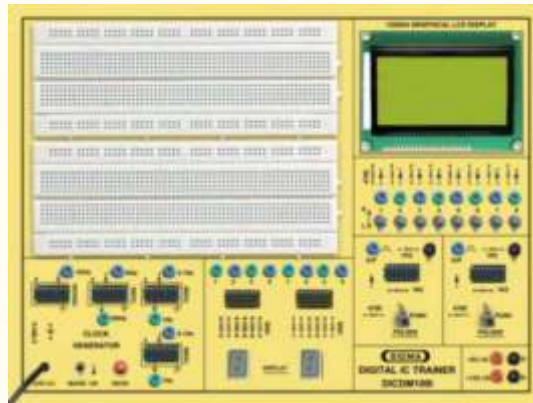




DIGITAL IC TRAINER MODEL-DICDM100I

This trainer has been designed with a view to provide practical and experimental knowledge of different Digital IC Circuits used in IOT Electronics.



SPECIFICATIONS

(1) Hardware

Following Parts are assembled on Single PCB of size - 18 Inch x 15 Inch

1. Regulated DC Power Supply : + 5V, 1A - Fixed
+12V, 1A - Fixed
2. Clock Frequency 4 different steps from 1Hz – 100KHz Amplitude - TTL
3. Pulsar Switches – 2 Nos
4. Digital Data Input Switches : 8 Nos
5. Digital Data Indicator LEDs - TTL : 8 Nos
6. Seven Segment Display with Decoder Drive IC - 2 Nos
7. Breadboard for Circuit design – 640 Points - 02 Nos
8. 128x64 Graphical LCD
9. Teaching & Learning Simulation Software

(2) Accessories

1. Patch cords : 20 Nos
2. Practical Manual - Printed + Soft Copy : 1 No.
3. E-Books for Subject : 10 Nos. in PDF Format

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Dealer:-

(3) Cabinet and PCB

The complete circuit diagram is screen printed on component side of the PCB with circuit and Parts at the same place. The PCB with components on front side is fitted in elegant wooden box having lock and key arrangement. The acrylic cover is fitted on PCB to safeguard parts. It works on 230 V AC Supply.

EXPERIMENTS

1. To study theory and verify truth table of NAND Gates
2. To study theory and verify truth table of NOR Gates
3. To study theory and verify truth table of NOT Gates
4. To study theory and verify truth table of AND Gates
5. To study theory and verify truth table of OR Gates
6. To study theory and verify truth table of Ex-OR Gates
7. To study theory and verify truth table of D Flip-Flop
8. To study theory and verify truth table of JK Flip-Flop
9. To study theory and verify truth table of Decade Counter
10. To study theory and verify truth table of Binary Counter
11. To study theory and verify truth table of Binary Adder
12. To study theory and verify truth table of Shift Registers
13. To study theory and verify truth table of Magnitude Comparator
14. To study theory and verify truth table of Encoder (Multiplexer)
15. To study theory and verify truth table of Decoder (Demultiplexer)
16. To study theory and verify truth table of Monostable Multivibrator (Monoshot)