

**Product Name :**  
Combinational Logic Trainer

**Product Code :**  
NLAB-EDUSCHOOLEQ197013

**Description :**

Combinational Logic Trainer

**Technical Specification :**

SCOPE OF LEARNING:

Study and Construction of Various Digital Electronics Lab Experiment

TECHNICAL SPECIFICATIONS:

Power Supplies:

Dc Power Supply IC Regulated +5V Dc, 1A.

Operated On Mains Power 230v, 50hz +10%

Logic Gates:

4 AND (2-input)

3 AND (3-input)

12 NAND (2-input)

4 NAND (4-input)

2 NAND TRIGGER (4-input)

4 OR (2-input)

2 OR (3-input)

1 OR (4-input)

4 NOR (2-input)

2 NOR (4-input)

4 EX-OR (2-input)

6 inverters

2 AOI (2 and 3 input)

Adder And Subtractor Using 7483 IC

Parity Checker Using 74280 IC

Multiplexer Using 74153 IC

Comparator Using 7485 IC

16 Pin Zip Socket

The Following Components Are Provided On The Trainer Set

Bulb 2 Nos.

Pot 100K

Pulse Generator with Rising and Falling Edge.

Low Frequency Clock Generator 1H to 10Hz.

12 silicon diodes

8 resistances

Logic Inputs & Outputs 16 Bit

**SALIENT FEATURES:**

Front Panel Built With High Class Insulated Printed Circuit Board Sheet With Well Printed Circuits And Symbols.

Fuse For Short Circuit Protection

Instruction Manual.

Connections are brought out through 2mm Brass Sockets.

Patch Cords 2mm.

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 15"x11"

## Naugralabequipments

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