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Experiments

Introduction to Electrical Workshop Practices, Tools & Safety

Types of cables and electric accessories including switches, plugs, circuit breakers, fuses etc., symbols for electrical wiring schematics e.g. switches, lamps, sockets etc

To Study the Earthing System, To Study Megger Tester and Measure Insulation Resistance Or Wiring System

Desoldering Practice, Components desoldering, value Reading & Marking

Soldering on Vero Boards

PCB 1 : Actual making of PCB Sticker Paper Printing using Iron

PCB 2 : Actual making of PCB Etching with Chemicals, Drilling, Soldering

To Make a Series Circuit and Measure How Voltage is Divided with the Help of Multimeter

To Make a Parallel Circuit and Measure How Current is Divided with the Help of Multimeter, & Study the Behavior of Current when Bulbs are Connected in Parallel

To Study the Tube Light Circuit, To Make a Fan Regulator Circuit

To Make an Electric Bell Circuit, To Make a Stair Circuit

Wiring 1: To Study the Complete House Wiring Circuit and procedure for Internal House Wiring Estimation

Wiring 2: To Study the Complete House Wiring Circuit and procedure for Internal House Wiring Estimation

To Measure the Energy with the Help of an Energy Meter and Verify it with the Help of Voltmeter, Ammeter and Stop Watch

Project

S#	Experiments
1.	Electrical Workshop Practices and Tools
2.	To Study Cables According to Cores
3.	To Make a Series Circuit and Measure How Voltage is Divided with the Help of Multimeter
4.	To Make a Parallel Circuit & Study the Behavior of Current when Bulbs are Connected in Parallel
5.	To Study the Tube Light Circuit
6.	To Make a Fan Regulator Circuit
7.	To Make an Electric Bell Circuit
8.	To Make a Stair Circuit
9.	To Measure the Energy with the Help of an Energy Meter and Verify it with the Help of Voltmeter, Ammeter and Stop Watch
10.	To Study the Complete House Wiring Circuit and procedure for Internal House Wiring Estimation
11.	To Study Megger Tester and Measure Insulation Resistance Or Wiring System
12.	To Study the Earthing System
13.	Soldering/Desoldering
14.	Designing a PCB
15.	Creating the Layout in ExpressPCB
16.	Actual making of PCB using Iron or Chemicals

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4	Soldering on Vero Boards
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