

1.

5) Electrical Systems

5.

Basic Electricity

6.

Cables and Wiring

7.

Measuring Instruments

8.

L. V. Switchgear

9.

Motor & Transformer

10.

Electrical Panels

6) Panel Designing: -

- Single phase & three phase supply system, phase, neutral, earth wire
- Basic principle of electromagnetic Relay
- NO/NC and power contacts
- Power circuit & control circuit
- Use of NO/NC contacts in control & power circuit(for experiments on control relay)
- Hold on circuit
- 1 output to be controlled from 2 push button station (1 contractor & 4 push button)
- D.O.L starter
- Interlocking
- Use of timer
- Star- delta starter
- Use of Sensors