



List of Experiments

1. To study and verify Kirchoff's current and voltage laws for a circuit.
2. To study the performance & phasor diagram of RLC series circuit.
3. To study the speed control of DC shunts motor.
4. To perform the open circuit & Short circuit test for measuring the losses of the transformer.
5. To study the performance & phasor diagram of RLC parallel circuit.
6. Study of different types of machines.
7. To test the polarity of the single phase transformer.
8. Determine B/H curve for magnetic material.
9. To calculate the efficiency & voltage regulation of a single phase transformer.
10. Calculation of slip(s) of Induction motor for clock wise and anti-clock wise rotation of rotor.

List of Major Equipment's

1. DC Supply 110-220 V.
2. Ammeter DC 1-0-1 Amp.
3. DC 0.5-1 Amp.
4. Rheostat 110 Ω , 2.8 Amp; 1089 Ω , 0.6 Amp.

5. Variac Input 220 V, output 270V, 5 Amp
6. Ammeter AC 2.5-5 Amp.
7. Voltmeter 150-300 V.
8. Transformer 220 V, 1KVA, 4.5 Amp.
9. Wattmeter 2.5-5 Amp, 75-150-300 V.
10. Capacitor 0-10 μ F
11. Single Phase lamp load input 220 V