

Basic Electrical Engineering Lab

Labs/BEE

List of experiments:

Part-A

1. Verification of Ohm's law.
2. Verification of Kirchhoff's Voltage Law and Kirchhoff's Current Law.
3. Verification of Superposition Theorem.
4. Verification of Thevenin's Theorem & Norton's Theorem.
5. Series Resonance of RLC series circuit.
6. Determination of self & mutual inductances and coefficient of coupling.

Part-B

1. Load Test on Single Phase Transformer (Calculation of Efficiency and Regulation).
2. OC & SC Tests on Single phase transformer.
3. Magnetization Characteristics of DC Shunt Generator.
4. Speed Control of DC shunt motor.
5. Brake test on Three Phase Squirrel cage induction motor.
6. OCC & SCC of Synchronous Generator.

NOTE: 5 experiments from Part-A and 5 experiments from Part-B should be conducted (Total 10 Experiments)