LABORATORY INSTRUCTION MANUAL

Basic Electrical Engineering Lab. Manual

 1^{st} Year 1^{st} & 2^{nd} Semester

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LIST OF EXPERIMENT

- 1. Characteristics of Fluorescent lamps.
- 2. Characteristics of Tungsten filament lamps.
- 3. Verification of Thevenin's Theorem.
- 4. Verification of Superposition Theorem.
- 5. Study the RLC Series Circuit.
- 6. Speed Control of DC Shunt Motor.
- 7. Study of the Equivalent Circuit of a Single phase Transformer.
- 8. Verification of Norton's Theorem.
- 9. Calibration of MI type Ammeter and Voltmeter.

Instructions:

- 1. Understand the equipment to be tested and apparatus to be used.
- 2. Select proper type (i.e. AC or DC) and proper range of meter.
- 3. Do not touch live terminal.
- 4. Use suitable wires (type and size).
- 5. All connections should be tight.
- 6. Do not leave loose wires (i.e. wires not connected).
- 7. Get the connections checked before switching ON the supply by the instructor.
- 8. Never exceed the permissible values of current, voltage and/or speed of any machine, apparatus, wire, load etc.
- 9. Increase or decrease the load and applied voltage gradually (not suddenly).
- 10.Switch OFF the power supply and disconnect the circuit after completion of Experiments.