List of experiments for Basic electrical laboratory…

1. Testing of single phase energy meter at different power factors i.e, at 0.5, 0.866. and 1.0

2. Study of open circuit and short circuit test of single phase transformer.

3. Study of load test of single phase transformer.

4. Study of power factor at different loads i.e, resistive, inductive and capacitive.

5. Study of resonance in RLC series circuit.

6. To verify maximum power transfer theorem.

7. Measurement of three phase power by two wattmeter method.

8. To find the magnetization characteristics of a separately excited DC-generator.

9. To observe speed control of DC-motor using:

(a) Variation of armature voltage method

(b) Variation of field flux method

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