

Name of the Lab : Electrical Machines - I Laboratory (EEE)

EE8311(ODD Semester)

Regulation 2017

LIST OF EXPERIMENTS (Recommended as per Anna University)

1. Open circuit and load characteristics of DC shunt generator- critical resistance and critical speed.
2. Load characteristics of DC compound generator with differential and cumulative connections.
3. Load test on DC shunt motor.
4. Load test on DC compound motor.
5. Load test on DC series motor.
6. Swinburne's test and speed control of DC shunt motor.
7. Hopkinson's test on DC motor – generator set.
8. Load test on single-phase transformer and three phase transformers.
9. Open circuit and short circuit tests on single phase transformer.
10. Sumpner's test on single phase transformers.
11. Separation of no-load losses in single phase transformer.
12. Study of starters and 3-phase transformers connections.

TOTAL: 60 PERIODS

CONTENT BEYOND THE SYLLABUS

1. Polarity test on single phase transformer.
2. Open Circuit and load characteristics of separately excited DC generator

Estd - 2001