Lesson Plan

Name of faculty : Er. Ruby Sathiala

Discipline : Electrical Engineering

Semester : 3rd

Subject : Electrical Machines-I Lab (EE-205-P)

Lesson plan duration : 15 weeks

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| Week | Experiment Planned | Actually performed on (date) |
| 1st  | To find turn ratio & polarity of a 1-phase transformer. |  |
| 2nd  | To perform open & short circuit test on a 1-phase transformer. |  |
| 3rd  | To perform Sumpner’s back to back test on 1-phase transformers. |  |
| 4th  | Parallel operation of two 1-phase transformers. |  |
| 5th  | To convert 3-phase to 2-phase by Scott connection. |  |
| 6th  | **1st Internal Viva** |  |
| **7th** | **1st Sessionals**  |  |
| 8th  | To perform load test on a DC shunt generator. |  |
| 9th  | Speed control of a DC shunt motor. |  |
| 10th  | Swinburne’s test of DC shunt motor. |  |
| 11th  | Hopkinson’s test of DC shunt machines. |  |
| 12th  | Ward Leonard method of speed control. |  |
| 13th  |  **2nd Internal Viva**  |  |
| **14th**  | **2nd Sessionals**  |  |
| 15th  | Revision  |  |