Lesson Plan

Name of faculty : Sita Devi

Discipline : Electrical Engineering

Semester : 5th

Subject : Electrical Machine Lab-1

Lesson plan duration : 15 weeks

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| Week | Experiment Planned | Actually performed on (date) |
| 1st | To find turns ratio & polarity of a 1-phase transformer |  |
| 2nd | To perform open & short circuit tests 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 three phase to 2-phase By Scott-connection |  |
| 6th | To perform load test on DC shunt generator |  |
| **7th** | **1stSessionals** |  |
| 8th | To perform load test on DC series generator |  |
| 9th | To obtain magnetization characteristics of separately excited DC Machine |  |
| 10th | To obtain magnetization characteristics of self-excited DC Machine. |  |
| 11th | Speed control of DC shunt motor. |  |
| 12th | Swinburne’s test of DC shunt motor |  |
| 13th | Hopkinson’s test of DC shunt M/Cs |  |
| **14th** | **2ndSessionals** |  |
| 15th | Ward Leonard method of speed control. |  |