**Lesson Plan**

Name of faculty : Mr. Surender

Discipline : Electrical Engineering

Semester : 4th

Subject : Power System-1 Lab (EE-204P)

Lesson plan duration : 15 weeks

|  |  |
| --- | --- |
| Week | Practical |
|  | Practical Day | Topic |
| 1st | 1 | To measure the dielectric strength of transformer oil. |
|
|
|
| 2nd | 2 | To find string efficiency of string insulator.* 1. Without guard ring.
	2. With guard ring
 |
|
|
|
| 3rd | 3 | To measure ABCD parameters of transmission line. |
|
|
|
| 4th | 4 | To plot power angle characteristics of transmission line. |
|
|
|
| 5th | 5 | Parallel operation of two alternator. |
|
|
|
| 6th | 6 | To create unbalanced voltage system and to measure the sequence voltage by Segregating network. |
|
|
|
| **7th** | **Minor Test**  |
|  |
| 8th | 7 | Viva-Voice 1st |
|
|
|
| 9th | 8 | To study the characteristics of differential relay. |
|
|
|
| 10th | 9 | Testing and calibration of energy meter. |
|
|
|
| 11th | 10 | To study the characteristics of transmission line represented by :* 1. T-Network :
	2. Pie-Network
 |
|
|
|
| 12th | 11 | To plot the characteristics of IDMT static relay. |
|
|
|
| 13th | 12 | Testing of current transformer. |
|
|
|
| 14th  | **Minor Test** |
|  |
| 15th | 13 | Viva-Voice – 2nd. |
|  |
|  |
|  |

Surender Chahal

Guest Faculty (Electrical Engg.)