**Name of Faculty: sh Rai singh and Rupinder Singh**

**Discipline: Electrical Engg.**

**Semester: 3rd**

**Subject: EEDD-1**

**Lesson Plan Duration: ( From Sept 2022 to Jan 2023)**

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|  | **Week** | **Lecture** | **Topic** |
|  |  | **Day** |  |
|  | 1st | 1 | Introduction Drawing of various Electrical Symbols used in Domestic and Industrial |
|  |  |  | Installation. (Unit-1) |
|  |  | 2 | Drawing  of  Electrical Symbols  used  in  Power  System (Generation, Transmission and |
|  |  |  | Distribution including Sub-stations). |
|  |  |  |  |
|  | 2nd | 1 | Sheet checking and Introduction about wiring diagrams (Unit-2) |
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|  |  |  |  |
|  |  | 2 | Wiring diagram of Main Switch and Sub Ckts. for light Load |
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|  | 3rd | 1 | Wiring diagram of Light and fan for a room. |
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|  |  |  |  |
|  |  | 2 | Wiring diagram of bell (Day and Night). |
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|  | 4th | 1 | Wiring diagram of alarm circuits |
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|  |  | 2 | Wiring diagram of Staircase System. |
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|  | 5th | 1 | Wiring Drawing of Godown wiring |
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|  |  |  |  |
|  |  | 2 | Sheet checking and Introduction of Panels and Distribution boards (Unit-3) |
|  |  |  |
|  |  |  |  |
|  | 6th | 1 | Design and Drawing of panels/Distribution board using MCB, ELCB main switches and change |
|  |  |  | over switches for domestic installation & sheet checking. |
|  |  | 2 | Design and Drawing of panels/Distribution board using MCB, ELCB main switches and change |
|  |  |  | over switches for industrial installation & sheet checking.  Sessional test |
|  | 7th | 1 | Design and Drawing of panels/Distribution board using MCB, ELCB main switches and change |
|  |  |  | over switches for commercial installation & sheet checking. |
|  |  | 2 | Checking of drawing sheet, taking doubts of the students and to give clarifications on the |
|  |  |  | specific parts they have not understood. |
|  | 8th | 1 | Sheet checking and Introduction of Orthographic projections of Simple Electrical Parts  (Unit- |
|  |  |  | 4) |
|  |  | 2 | Orthographic projections of Bus bar post/ Kit Kat |
|  |  |  | VIVA |
|  | 9th | 1 | Orthographic projections of Pin type and shackle type insulator (Pin Type for |
|  |  |  | 11kV/66kV) |
|  |  | 2 | Orthographic projections of Bobbins of a small transformer / choke & sheet checking. |
|  |  |  |  |
|  | 10th | 1 | Orthographic projections of Stay insulators/Suspension type insulators |
|  |  |  | sheet checking. |
|  |  | 2 | Orthographic projections of Rotor of a squirrel cage induction motor |
|  |  |  | sheet checking. |
|  | 11th | 1 | Sessional test  Orthographic projections of Motor body (induction motor) using outside dimensions |
|  |  |  |  |
|  |  | 2 | Orthographic projections of Slip rings of 3-phase induction Motor & sheet checking. |
|  |  |  |  |
|  | 12th | 1 | Orthographic projections of Stator of 3 phase Induction motor (Sectional View) |
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|  |  | 2 | Sheet checking and Introduction of Prepare wiring diagram and block diagrams using any |
|  |  |  | Engineering Graphic package (Unit-5) |
|  | 13th | 1 | Basic of Auto CAD software. |
|  |  |  | viva |
|  |  | 2 | Prepare wiring diagram and block diagrams for circuits/systems using any |
|  |  |  | Engineering Graphic package - 1st sheet |
|  | 14th | 1 | Prepare wiring diagram and block diagrams for circuits/systems using any |
|  |  |  | Engineering Graphic package -2nd sheet |
|  |  | 2 | Drawing of wiring diagram using Auto CAD. Two sheet |
|  |  |  |  |
|  | 15th | 1 | Sheet checking and viva-voce for Unit-5. |
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|  |  | 2 | Problem discussion and Revision of  Syllabus |
|  |  |  | viva |
|  | 16th | 1 | Sessional Test |
|  |  |  | Revision |
|  |  | 2 | Revision |
|  |  |  | Revision |