

Lesson Plan

Name of Faculty: Arvinder Singh
Discipline: Electrical Engg. (G.P.Sirsa)
Semester: 3RD
Subject: EEDD-1 ELECTRICAL ENGINEERING DESIGN AND DRAWING-I
Lesson Plan Duration: 15 Weeks

Week	Lecture Day	Topic
1 st	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).
2 nd	1	Introduction about wiring diagrams (Unit-2)
	2	Wiring diagram of Main Switch and Sub Ckts. for light Load
3 rd	1	Wiring diagram of Light and fan for a room.
	2	Wiring diagram of bell (Day and Night).
4 th	1	Wiring diagram of alarm circuits
	2	Wiring diagram of Staircase System.
5 th	1	Wiring Drawing of Godown wiring
	2	Introduction of Panels and Distribution boards (Unit-3)
6 th	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.
7 th	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.
8 th	1	Introduction of Orthographic projections of Simple Electrical Parts (Unit-4)
	2	Orthographic projections of Bus bar post/ Kit Kat
9 th	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.
10 th	1	Orthographic projections of Stay insulators/Suspension type insulators sheet checking.
	2	Orthographic projections of Rotor of a squirrel cage induction motor sheet checking.
11 th	1	Orthographic projections of Motor body (induction motor) using outside dimensions
	2	Orthographic projections of Slip rings of 3-phase induction Motor & sheet checking.
12 th	1	Orthographic projections of Stator of 3 phase Induction motor (Sectional View)
	2	Introduction of Prepare wiring diagram and block diagrams using any Engineering Graphic package (Unit-5)
13 th	1	Basic of Auto CAD software.
	2	Prepare wiring diagram and block diagrams for circuits/systems using any Engineering Graphic package - 1st sheet
14 th	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. 1st Sheet
15 th	1	Drawing of wiring diagram using Auto CAD. 2nd Sheet
	2	Problem discussion and Revision of Syllabus