

## LESSON PLAN FOR ELECTRICAL DRAWING [Pr4]

<b>Discipline: Electrical Engineering</b>	<b>Semester: 4th</b>	<b>Name of the Teaching Faculty: PUJA PATNAIK (PTGF in EE)</b>
<b>Subject: ELECTRICAL DRAWING</b>	<b>Numbers of classes per week: 6</b>	<b>Semester from date: 1/10/2021 to date:31/01/2022</b> <b>No. of weeks: 15</b>
1st	1st	1. WIRING DIAGRAM AND CONTROL CIRCUIT 1.1 3 point D. C. motor starter.
	2nd	1.2 4 point D.C. motor starter.
2nd	1st	1.3 DOL starter
	2nd	1.4 Star delta starter.
3rd	1st	1.5 Auto Transformer Starter.
	2nd	1.6 Rotor resistance starter.
4th	1st	2. DRAW D.C. M/C PARTS (Dimensional Drawing) 2.1. Pole with pole shoes.
	2nd	2.2. Commutator
5th	1st	2.3. Armature
	2nd	2.4. DC. armature winding (a) Simple lap winding
6th	1st	(b) Simple wave winding
	2nd	3. DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing) 3.1 Stepped core type.
7th	1st	3.2 Plane shell type.
	2nd	4. DRAW SKETCHES OF THE FOLLOWING AS PER B.I.S AND REC SPECIFICATIONS 4.1 Earthing installation.
8th	1st	4.2 Double pole structure for LT and HT distribution lines.
	2nd	5. DRAW SINGLE LINE DIAGRAM OF SUBSTATION 5.1 Single line diagram of 33/11kV distribution substation.
9th	1st	5.2 Single line diagram of a 11/0.4 kV distribution substation.
	2nd	7. COMPUTER AIDED ELECTRICAL DRAWING USING SOFTWARE 7.1 Draw Electrical symbols (take Print out)
10th	1st	7.1 Draw Electrical symbols (take Print out)
	2nd	7.1 Draw Electrical symbols (take Print out)
11th	1st	7.2 Draw D.C. m/c parts (take print out)
	2nd	7.2 Draw D.C. m/c parts (take print out)
12th	1st	7.2 Draw D.C. m/c parts (take print out)
	2nd	7.3 Draw A. C. m/c parts (take print out)
13th	1st	7.3 Draw A. C. m/c parts (take print out)
	2nd	7.3 Draw A. C. m/c parts (take print out)
14th	1st	7.4 Draw electrical layout of diagram of Electrical Installation of a building.

	2nd	7.4 Draw electrical layout of diagram of Electrical Installation of a building.
15th	1st	7.4 Draw electrical layout of diagram of Electrical Installation of a building.
	2nd	7.4 Draw electrical layout of diagram of Electrical Installation of a building.