

Discipline: Electrical Engineering	Semester: 4th Semester 2021-Summer	Name of the Teaching Faculty: Shri Deepak Patra, Lect. Electrical Engg
Subject: Electrical Drawing(ED)	No. of Days/week Class Allotted:90	Semester from date: 05/04/2021 to date: 30 /06/2021 No of weeks: 13
Week	Class Day (3 periods)	Theory Topics
1 st	1 st	WIRING DIAGRAM AND CONTROL CIRCUIT 3 point D. C. motor starter. 4 point D.C. motor starter.
	2 nd	DOL starter
2 nd	1 st	Star delta starter.
	2 nd	Auto Transformer Starter.
3 rd	1 st	Rotor resistance starter.
	2 nd	DRAW D.C. M/C PARTS (Dimensional Drawing) Pole with pole shoes.
4 th	1 st	Commutator
	2 nd	Armature
5 th	1 st	Simple lap winding
	2 nd	Simple wave winding.
6 th	1 st	DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing) Stepped core type.
	2 nd	Plane shell type.

7 th	1 st	DRAW SKETCHES OF THE FOLLOWING AS PER B.I.S AND REC SPECIFICATION Earthing installation.
	2 nd	Double pole structure for LT and HT distribution lines.
8 th	1 st	DRAW SINGLE LINE DIAGRAM OF SUBSTATION 6.1 Single line diagram of 33/11kV distribution substation
	2 nd	Single line diagram of a 11/0.4 kV distribution substation.
9 th	1 st	COMPUTER AIDED ELECTRICAL DRAWING USING SOFTWARE 8.1 Draw Electrical symbols (take Print out)
	2 nd	Draw D.C. m/c parts (take print out)
10 th	1 st	Draw A. C. m/c parts (take print out)
	2 nd	Draw electrical layout of diagram of Electrical Installation of a building.
11 th	1 st	Discussion of probable questions and answers-1
	2 nd	Discussion of probable questions and answers-2
12 th	1 st	Discussion of probable questions and answers-3
	2 nd	Discussion of probable questions and answers-4
13 th	1 st	Discussion of probable questions and answers-5
	2 nd	Discussion of probable questions and answers-6