LESSON PLAN

Discipline: Elect. & E&TC Engg.	Semester: Fourth (4)	Name of the Lab I/C: Er. T. K Swain/ Er. P. K Sahu		
Subject: Electrical Machine Lab-I	No. of days/week class allotted: Three (3)	Semester from Date: 14.02.23 to Date: 23.05.23 No. of Weeks: 15		
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS		
	st 1	Dimensional and material study of various parts of D.C machine.		
st 1	2 nd			
	3 rd			
2 nd	st 1			
	2 nd			
	3 rd	Review Class		
3 rd	st 1	Identification of different terminals of a D.C machine by test		
	2 nd	lamp method and multimeter method and measure insulation resistance by megger.		
	3 rd	Review Class		
4 th	st 1	Plot OCC of D.C shunt generator at constant speed and determine critical resistance from the graph.		
	2 nd			
	3 rd	Review Class		
5 th	st 1	Plot external characteristics of a D.C shunt generator at constant speed.		
	2 nd			
	3 rd	Review Class		
6 th	1 st	Study of three point starter, connect and run a D.C shunt motor and measure the no load current.		
	2 nd			
	3 rd	Review Class		

7 th	1 st nd 2	Study of four-point starter, connect and run a D.C compound motor and measure no load current.		
	rd 3			
8 th	st 1			
	2 rd 3	Review Class		
	3	TOTO TO CIADO		
	1 st	Control the speed of a D.C shunt motor by field flux control method and armature voltage control method.		
9 th	2 nd			
	3 rd	Review Class		
	1 st	Determine the efficiency of a D.C machine by break test method.		
10 th	2 nd			
	3 rd	Review Class		
	1 st	Perform OC & SC test of a single phase Transformer .		
11 th	2 nd			
	3 rd	Review Class		
	1 st			
12 th	2 nd	Determination of voltage regulation of a single phase		
	3 rd	transformer at different loads.		
13 th	st 1			
	2 nd			
	3 rd	Review Class		
14 th	st 1	Revision		
	2 nd			
	3 rd			
15 th	st 1	Revision		
	2 nd			
	3 rd			