

Lesson Plan

Subject EC-1 (Code) Th1 Name of faculty Aiswarya Kumar Mishra  
 Semester 4th Class allotted 5 class per week Branch: Electrical Engg.

Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/ Lesson		
Week	Date/Period			
1	14/02/23	Rationale		white Board & Marker
	to	Energy conversion deals with D.C machine & transformer.		
2	17/02/23	The application of motors & generators in modern industries.		"
	20/02/23	to		
3	25/02/23	operating principle of D.C generator.		"
	27/02/23	construction and features of D.C machine.		
4	to	Armature reaction of d.c machine.		"
	04/03/23	parallel operation of D.C Generators		
5	06/03/23	Uses of D.C Generators		"
	to	D.C motor		
6	11/03/23	Basic working principle.		"
	13/03/23	Significance of back e.m.f in d.c motor.		
7	to	Voltage equation in d.c motor for maximum power output.		"
	18/03/23	Derivation of torque equ?		
8	20/03/23	starting method of series, shunt, compound motors and their application.		"
	to	Losses, efficiency and power stage of d.c motor.		
9	25/03/23	uses of D.C motor.		"
	27/03/23	to		
10	31/03/23	Single phase transformer		

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Week	Date/Period	Theory Practical Topics/Lesson	Teaching Aid
8	03/04/23	constructional feature of transformer.	white Board
	to	working principle of transformer.	Marker
9	08/04/23	Arrangement of core & winding in different types of transformer.	
	10/04/23	Transformer accessories.	
	to	cooling method	
	15/04/23	Maintenance of transformer	
10	17/04/23	Regulation of transformer	
	to	Types of Losses in transformer	
		Efficiency of different loads	
	21/04/23	parallel operation of single phase transformer.	
11	27/04/23	Auto transformer	
	to	constructional feature & working principle.	
		uses of Auto transformer	
12	29/04/23	Tap changer in transformer	
	01/05/23	Instrument transformer	
	to	current transformer & potential transformer	
	06/05/23	Define rating error, phase angle error, Burden, Use of CT & P.T.	
13	08/05/23		
	to	Revision	
	13/05/23		
14	15/05/23		
	to	Revision	
	20/05/23		
15	22/05/23		
	to	Revision	
	23/05/23		

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