

2023 (5)

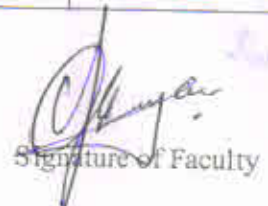
Lesson Plan

Subject Basic Electrical/Eng. (Code) TH402 Name of faculty Aswaja Kumar Mishra
 Semester 2nd Class allotted 2/Week (20) Branch ~~Computer~~ Mechanical
 Session: 2023(5) - 2024

Discipline	Semester	From Date:	To date:	Teaching Aid
Subject:	No. of days/per week	Theory / Practical-topics / Lesson		
Week	Date/Period			
1	20/03/23	Fundamentals concept of current flow.		white board
	to	concept of source and load.		↑
		state ohm's law and concept of resistance.		Marker
2	25/03/23	Relation bet ⁿ V, I & R in series.		white board
	27/03/23	Relation bet ⁿ V, I & R in parallel.		
	to	Division of current in parallel.		↑
3	31/03/23	Kirchoff's law		Marker
	03/04/23	Numerical of kirchoff's law		white board
	to	A.C Theory Generation of alternating e.m.f		
4	08/04/23	Difference bet ⁿ A.C & D.C		↑
	10/04/23	Define amplitude and instantaneous value, cycle, Time period, frequency		Marker
	to	phase angle.		white board
5	15/04/23	state and explain rms value.		↑
	17/04/23	Represent A.C value in phasor diagram.		Marker
	to	A.C through pure resistance, inductance and capacitance		white board
6	22/04/23	A.C through RC, RL, RLC series circuit		↑
	24/04/23	concept of power and power factor.		Marker
	to	Impedance triangle and power triangle.		white board
7	29/04/23			↑
	01/05/23	Generation of electric power		Marker
	to	Thermal, Nuclear, Hydro power plant.		white board
	06/05/23			↑
				Marker




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Week	Date/Period	Theory / Practical-topics / Lesson	Teaching Aid
8	08/05/23	Introduction of d.c machine	white board
	to	Main parts of d.c machine	↑
9	13/05/23	classification of d.c generator classification of d.c motor.	Marker white board
	15/05/23	Uses of different types of d.c generator and motor.	↑
10	to	Types of 1- ϕ induction motor.	↑
	20/05/23	concept of lumen.	Marker
11	22/05/23	Different types of lamps.	white board
	to	Star rating of home appliances.	↑
	27/05/23	wiring and power billing.	Marker
12	29/05/23	Types of wiring in a domestic installation layout of household electrical wiring.	white board
	to		↑
	03/06/23	List out of basic protective device used in household wiring.	Marker white board
13	05/06/23		↑
	to	Calculate the energy consumed in a small electrical installation.	Marker
	10/06/23		↑
14	12/06/23	Measuring instrument.	white board
	to	Introduction to measuring instruments.	↑
	17/06/23	Torque in instruments. Different uses of PMCG.	Marker
15	19/06/23	Types of instruments.	white board
	to	Different uses of MI-Type.	↑
	24/06/23	instruments (Ammeter and Voltmeter)	Marker white board
16	26/06/23	Draw the connection diagram of 1- ϕ measuring instruments.	↑
	to		Marker
		"Revision"	



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