

Lesson Plan

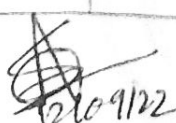
Subject: Basic Electrical Eng. (Code) TH4(a) Name of faculty: Aiswarya Kumar Mishra  
 Semester: 1st Class allotted: 2/week (29/30) Branch: Civil, Electrical & Meta.


Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1	25/10/22	Fundamentals		White board & Marker
	to	concept of current flow concept of source and load. state Ohm's law and concept of resistance.		
2	29/10/22	Rel <sup>n</sup> bet <sup>n</sup> V, I & R in series.		"
	31/10/22	Rel <sup>n</sup> bet <sup>n</sup> V, I & R in parallel.		
3	to	Division of current in parallel circuit.		"
	5/11/22	Kirchoff's law		
4	7/11/22	Numerical of Kirchoff's law		"
	to	A.C Theory		
5	12/11/22	Generation of alternating emf		"
	14/11/22	Difference bet <sup>n</sup> D.C & A.C		
6	to	Define amplitude and instantaneous value, cycle, time period, frequency, phase angle.		"
	19/11/22	state and explain RMS value		
7	21/11/22	Represent A.C values in phasor diagram.		"
	to	A.C through pure resistance, inductance and capacitance.		
8	26/11/22	A.C through RL, RC, RLC series circuit.		"
	28/11/22	concept of power and power factor.		
9	to	Impedance triangle and power triangle.		"
	3-12-22	Generation of electrical power		
10	5/12/22	Thermal, hydro, Nuclear power station.		"
	10/12/22			

Signature of HOD  
21/09/22

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21/09/22

Week	Date Period	Theory/ Practical - Topics/Lesson	
8	12/12/22	Introduction of d.c machines	white board & marker
	to	main parts of d.c machine classification of d.c generator.	
9	15/12/22	classification of d.c motor.	"
	19/12/22	uses of different types of d.c generator and motor.	
10	to	types of 1- $\phi$ induction motor	"
	24/12/22	concept of kement.	
11	21/01/23	Different types of lamps.	"
	to	star rating of home appliances.	
12	7/1/23	wiring and power billing.	"
	9/1/23	types of wiring in a domestic installation.	
13	to	layout of household electrical wiring.	"
	13/01/23	List out of basic protective devices used in household wiring.	
14	16/01/23	calculate the energy consumed in a small electrical installation.	"
	21/01/23	Measuring instruments.	
15	23/01/23	Introduction to measuring instruments.	"
	to	Torque in instruments.	
16	28/01/23	Different uses of PMMC type of instruments.	"
	30/01/23	Different uses of MI type instruments (ammeter and voltmeter.)	
17	4/02/23	Draw the connection diagram of 1- $\phi$ measuring instruments.	"
	6/02/23		
18	to	Revision	"
	7/02/23		

  
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