LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	26/6/17	Basic laws explanation	I	CR		
2	28/6/17	principle of operation of DC machines- construction.	I	CR		
3	30/6/17	Derivation of EMF - problems	I	CR		
4	3/7/17	Types of DC generators No-load & load characteristics	I	CR		
5	5/7/17	operation of DC Motor Derivation of Torque.	I	CR		
6 7	7/7/17 10/7/17	Torque - Speed characteristics - Losses.	I	CR		
8 9	12/7/17 14/7/17	problems on efficiency and losses.	I	CR		
10	17/7/17	principle of operation of 1-ϕ Transformer	II	CR		
11 12	19/7/17 21/7/17	EMF equation - phasor diagram on no load and load conditions.	II	CR		
13 14	24/7/17 26/7/17	Losses and efficiency regulation - problems	II	CR		

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15 16	28/7/17 31/8/17	OC and SC tests	II	CR		
17 18	2/8/17 4/8/17	problems on voltage regulation and efficiency.	II	CR		
19	7/8/17	Introduction to 1-ϕ induction Motors	III	CR		
20	9/8/17	3-ϕ induction motor working operation.	III	CR		
21	11/8/17	Types of 3-ϕ induction motors and their differences	III	CR		
22 23	14/8/17 16/8/17	Torque - slip characteristics of 3-ϕ induction motors	III	CR		
24 25	18/8/17 21/8/17	Introduction to 3-ϕ Synchronous generator - construction details.	IV	CR		
26 27	23/8/17 25/8/17	principle of operation of 3-ϕ Alternator.	IV	CR		
28	30/8/17	Types of 3-ϕ Alternators - emf equation.	IV	CR		
29 30	01/8/17 04/9/17	predetermination of regulation by Synchronous impedance method.	IV	CR		

31	6/9/17	Determination of regulation by	IV	CR		
32	8/9/17	synchronous impedance method				
33 34	11/9/17 13/9/17	problems on regulation.	IV	CR		
35 36	15/9/17 18/9/17	Introduction to indicating instruments	V	CR		
37	20/9/17	Types of indicating instruments - Types of Torques.	V	CR		
38	22/9/17	Introduction to permanent magnet	V	CR		
39	25/9/17	moving coil instruments - working operation				
40	27/9/17	Derivation of T_d and θ_d for PMMC meters	V	CR		
41	29/9/17	Introduction to Moving iron instruments	V	CR		
42	02/10/17	Derivation of deflecting Torque and angle for	V	CR		
		MI instruments.				
43	4/10/17	Difference between PMMC & MI instruments	V	CR		
44	6/10/17	- extension range of instruments - Ammeters.				