

Period	Date	Topic	Unit No	Teaching Methodology	Remarks
5	4/10/14	Constructional ability	IV	C-R	
6	5/10/14	Principle of operation	IV	C-R	
7	6/10/14	Problems	III	C-R	
8	7/10/14	Introduction to alternator	IV	C-R	
5	11/10/14	types - Difference b/w Subst & non subst p.d.c	IV	C-R	
6	12/10/14	Prin & distribution factors - D.M.F equation.	IV	C-R	
7	13/10/14	Problems	IV	C-R	
8	15/10/14	Regulation of alternator by Synch. Impedance method	IV	C-R	
5	16/10/14	" Problems "	IV	C-R	
6	19/10/14	Problems	IV	C-R	
7	22/10/14	Problems	IV	C-R	
8	23/10/14	Basic principle - types Moving Iron	V	C-R	
1	25/10/14	Essentials of indicators instrument	V	C-R	
2	26/10/14	types - Diff b/w M.I & M.C	V	C-R	
3	27/10/14	P.M.M.C Indicators - Construction - Advantages	V	C-R	
4	1/11/15	Essential range of instruments - problems	V	C-R	
5	2/11/15	M.I - Instrument & Construction - Advantages	V	C-R	

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Rem.
7	27/10/14	Parameters of Equivalent circuit - Equivalent circuit	II	C.R	
8	27/10/14	Losses & efficiency of T/F → Regulation.	II	C.R	
5	30/10/14	Problems -	II	C.R	
6	31/10/14	O.C. & S.C. test on 1-φ T/F	II	C.R	
7	3/11/14	" "	II	C.R	
8	3/11/14	Problems on O.C & S.C. test	II	C.R	
5	6/11/14	" "	II	C.R	
6	7/11/14	Introduction to Single phase Induction Motor	III	C.R	
7	10/11/14	- Principle of operation - types	III	C.R	
8	10/11/14	Three phase - I.M. - Introduction - Working principle	III	C.R	
5	13/11/14	- R.M.P (Production) - Synchronous speed - slip speed	III	C.R	
6	14/11/14	Construction - squirrel cage & slip ring I.M.	III	C.R	
7	17/11/14	Frequency of Rotor & m.f. - slip of I.M. problems.	III	C.R	
8	17/11/14	Effect of Rotor induced EM.F & on Rotor & Rotor	III	C.R	
5	20/11/14	Expression for Torque. - Starting torque - running torque	III	C.R	
6	21/11/14	Relations - Problems	III	C.R	
7	24/11/14	Torque - slip characteristics.	III	C.R	
8	24/11/14	" "	III	C.R	

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corr Up
7	1/9/14	Introduction to basics of Machines - Electromechanics		C.R		
8	1/9/14	Principle of operation of Dc Machines	I	C.R		
5	4/9/14	Constructional Details of Dc Machine	I	C.R		
6	5/9/14	EMF Equation - [Types of windings]	I	C.R		
7	8/9/14	Problems on EMF Equation - Types.	I	C.R.		
8	8/9/14	Types \rightarrow V-I Relations Problems.	I	C.R		
5	11/9/14	Characteristics of D.C. Generators - o.c.c.	I	C.R		
6	12/9/14	Problem on o.c.c. - Internal & External characteristics	I	C.R		
7	15/9/14	Principle of operation of D.C. Motor - types -	I	C.R		
8	15/9/14	Back EMF - Torque Equation - Problems	I	C.R		
5	19/9/14	Characteristics of D.C. Motors.	I	C.R		
6	19/9/14	Starters - 3-point starter - Losses & η of D.C. machines.	I	C.R		
7	22/9/14	Scribner's test & Brake test - Problems.	I	C.R		
8	22/9/14	Speed control of D.C. Motors - shunt motor	I	C.R		
5	25/9/14	Transformer - Introduction - principle of operation - types	II	C.R		
6	26/9/14	Constructional Details of 1- ϕ TRF.	II	C.R		
7	29/9/14	E.M.F Equation - Problems.	II	C.R		