

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
5	27/6	Introduction <del>Principle</del>	1	C.R		
1	28/6	principle of operation of DC machine	1	C.R		
2	29/6	DC machine construction	1	C.R		
5	1/7	EMF Equation numerical problems	1	C.R		
5	4/7	Types of generators	1	C.R		
1	5/7	characteristics of DC Generators	1	C.R		
7	6/7	numerical problems	1	C.R		
5	8/7	Types of DC motors Back emf / Torque equation	1	C.R		
5	11/7	characteristics of DC motors, 3-point starting for DC shunt motor	1	C.R		
1	12/7	Losses and efficiency of DC machines	1	C.R		
7	13/7	Swinburn's test, Brake test	1	C.R		
5	15/7	speed control of DC shunt motor	1	C.R		
5	18/7	field and Armature Voltage control method	1	C.R		
1	19/7	<del>Principle</del> numerical problems	2	C.R		
7	20/7	principle of operation of single phase transformer	2	C.R		
5	22/7	types of Transformers, construction features.	2	C.R		
5	1/8	EMF equation, numerical problems	2	C.R		
1	2/8	phasor diagram on no load and full load	2	C.R		
7	3/8	equivalent circuit of 1 $\phi$ transformer	2	C.R		
5	5/8	losses and efficiency of transformer	2	C.R		

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5	8/8	Regulation of Trans formers	2	C.R		
1	9/8	O.C and S.C tests on 1- $\phi$ transformer	2	C.R		
7	10/8	Predetermination of efficiency and regulation	2	C.R		
5	12/8	Numerical problems	2	C.R		
		First mid. from 10/8/16 - 12/8/16				
1	16/8	Numerical problems	2	C.R		
7	17/8	Introduction to Single phase Induction motor	3	C.R		
5	19/8	Principle of operation of 1- $\phi$ Induction motor	3	C.R		
5	22/8	three phase Induction motor - construction	3	C.R		
1	23/8	principle of operations slipping I.M	3	C.R		
7	24/8	Squirrel Cage I.M	3	C.R		
5	26/8	Torque equation	3	C.R		
5	29/8	slip Torque characteristics	3	C.R		
1	30/8	problems	3	C.R		
7	31/8	problems	3	C.R		
5	2/9	efficiency calculation	3	C.R		
1	6/9	numerical problems	3	C.R		
7	7/9	Starting methods	3	C.R		
5	9/9	Introduction	4	C.R		
1	13/9	Alternator constructional features	4	C.R		



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7	14/9	Principle of operation	4	C.R		
5	16/9	types of Alternator	4	C.R		
5	19/9	Emf equation	4	C.R		
1	20/9	distribution and coil span factor	4	C.R		
		II mid term		21/9/16 to 23/9/16		
5	26/9	Numerical problem	4	C.R		
1	27/9	Numerical problem	4	C.R		
7	28/9	predetermination of regulation by synchronous impedance method	4	C.R		
5	30/9	problem	4	C.R		
5	3/10	problem	4	C.R		
1	4/10	Introduction	5	C.R		
7	5/10	Basic Principle of Indicating instruments	5	C.R		
5	7/10	Essentials of indicating Instruments	5	C.R		
5	14/10	types of Instruments	5	C.R		
5	17/10	Permanent magnet type	5	C.R		
7	18/10	Moving coil type	5	C.R		
7	19/10	extension range of instruments	5	C.R		
5	21/10	extension of Ammeter	5	C.R		
5	24/10	extension of Voltmeter	5	C.R		
1	25/10	extension of moving iron instruments (Ammeter)	5	C.R		

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