LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	28/6/16	Introduction to Electrical	I			
2	29/6/16	Circuits				
5	30/6/16	classification of network elements				
6	01/7/16					
6	01/7/16	Basic definitions of charge, I, power, V				
	7/7/16					
5	7/7/16	Resistance series & parallel				
		Problems related.				
6	8/7/16	Inductor & Capacitor				
		series & parallel Connections				
1	12/7/16	Energy Sources				
2	13/7/16	Both Ideal & practical				
5	14/7/16	Source Transformation				
6	15/7/16	Voltage Division &				
		Current Division related problems.				
1	19/7/16	Kirchoff's current law				
2	20/7/16	Kirchoff's Voltage law				
		Problems related KCL & KVL				
5	21/7/16	Mesh Analysis.				
		problems.				

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6	22/7/16	Super Mesh Analysis				
		Problems related				
1	2/8/16	Nodal Analysis				
2	3/8/16	Super Node Analysis.				
5	4/8/16	Problems related to Super Node				
6	5/8/16	AC fundamentals & Network Topology	II			
		Periodic Time period				
1	9/8/16	RMS values, Average value of a periodic Signal				
2	10/8/16	form factor + peak factor of a Signal				
5	11/8/16	Mathematical Representation				
		of Sinusoidal Signal				
6	12/8/16	Duality problems.				
1	16/8/16	Network Topology				
		Branch, Tree, planar				
2	17/8/16	Nonplanar, Cutset + Tieset problem				
5	18/8/16	Steady state Analysis of AC circuits	III			
6	19/8/16	Response to Sinusoidal				
		of R, L, C				
1	25/8/16	Series RL, RC & RLC				
		Related problems				

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2	24/8/16	Problems using mesh Analysis.				
6	26/8/16	Nodal Analysis.				
1	30/8/16	Star–Delta & Delta–Star Circuit Problems				
2	31/8/16	Coupled Circuits				
5	01/9/16	Self Inductance, Mutual Inductance				
6	2/9/16	Problems related				
1	6/9/16	to coupled circuits				
2	7/9/16	Resonance.				
5	8/9/16	Quality factor				
6	9/9/16	Series resonance				
1	13/9/16	parallel resonance				
5	15/9/16	Bandwidth & Q-factor				
6	18/9/16	Problem related to Series & parallel reso				
1	20/9/16	Network Theorems.	IV			
5	22/9/16 & 23/9/16	Super position Theorem				
1	24/9/16	Thevenin's Theorem				
1	4/10/16	Norton's Theorem				
5	6/10/16	Maximum power Transfer Theorem				

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6,7	7/10/16	Reciprocity Theorem				
5	13/10/16	Millman's Theorem				
6,7	14/10/16	Compensation Theorem				
1	18/10/16	Substitution Theorem				
5	20/10/16	Tellegen's Theorem				
6,7	21/10/16	Two port Networks				
6,7	21/10/16	Z-parameters &				
1	25/10/16	Related problems.				
5	27/10/16	Y-parameters				
5	27/10/16	ABCD parameters				
1,7	28/10/16	H-parameters				
6,7	28/10/16	Inverse H-parameters				
6,7	28/10/16	Relation Between				
		Z & Y-parameters				
1	1/11/16	Z & ABCD parameters				
1	1/11/16	Series Connection of				
		Two port Networks.				
5	3/11/16	Transient DC Analysis	V			
		First order differential equations				
5	3/11/16	Transient response of current				

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6	4/11/16	Transient response of Series RC circuit.				
7	9/11/16	Series RLC circuit				
1	8/11/16	Response of AC excitation				
1	8/11/16	Solution of using Laplace Transform.				
5	10/11/16	filters - Definition.				
1d		LPF and HPF				
5	10/11/16	BPF + Band elimination filter.				
6,7	11/11/16	m-derived filter of LP filter.				
6,7	11/11/16	m-derived High pass filter.				
6,7	11/11/16	Composite design of LP and HP filters.				