LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	27/06/16	Introduction to electrical circuits	1	Black board		
1	28/6/16	Network element classification & Basic Definitions.	1	"		
1	29/06/16	Resistance parameter (series & parallel combination) + problems.	1	"		
1	30/06/16	Inductance parameter (series and parallel combination) + problems.	1	"		
1	04/07/16	capacitance parameter (series and parallel combination) + problems.	1	"		
1	05/07/16	Energy sources	1	"		
1	07/07/16	Source transformation technique + problems.	1	"		
1	08/07/16	Kirchoffs voltage Law + problems.	1	"		
1	11/07/16	Kirchhoffs current law + problems.	1	"		
1	12/07/16	Mesh Analysis + problems	1	"		
1	13/07/16	Nodal Analysis + problems.	1	"		
1	14/07/16	Problems on dependent sources	1	"		
1	18/07/16	Basic definitions of Ac fundamentals	2	Black board		
1	19/07/16	RMS, Average value, form factor,	2	"		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		Peak factor + Problems.	3	Black board		
1	20/03/16	Phase angle, phase representation	2	"		
1	01/03/16	Addition of phasor & Mathematical representation of sinusoidal quantities + problems.	2	"		
1	01/08/16	Subtraction of phasor & Mathematical representation of sinusoidal quantities + problems.	2	"		
1	02/08/16	Principle of duality + problems	2	"		
1	03/08/16	Basic definitions of network topology	2	"		
0		Planar & non planar graphs.				
1	04/08/16	Incidence matrix + problems.	2	"		
1	08/08/16	tie-set schedule + problems.	2	"		
1	09/08/16	Basic cut set schedule + problems	2	"		
1	16/08/16	Problems.	2	"		
2	17/08/16 18/08/16	Response of sinus-oidal Excitation - pure resistance pure inductance, pure capacitance, impedance concept	3	Black board		
1	19/08/16	Phase angle, series R-L, R-C, R-L-C	3	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	22/08/16	Complex impedence and phase notation for RL, RC, R-L-C circuits.	3	Black board		
2	23/08/16 24/08/16	Star Delta conversion (Explanation, problem solving using mesh & nodal Analysis)	3	"		
1	29/08/16	self inductance, mutual inductance, coefficient of coupling.	3	"		
1	30/08/16	Analysis of coupled circuits, natural currents	3	"		
		Dot rule of coupled circuits.	3	"		
		conductively coupled equivalent ckts.	3	"		
		theory + problems.				
1	31/08/16	Introduction to Resonance,	3	"		
		series resonance, Bandwidth of	3	"		
		series resonance + Problems.				
1	01/09/16	Parallel resonance, Bandwidth of	3	"		
		parallel resonance + problems.				
1	06/09/16	General case - resistance present in both branches.	3	"		
1	07/09/16	Anti resonance to all frequencies (theory + problems)	3	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	08/09/16	Thevenins theorem, Nortons theorem + problems	4	Black board		
1	09/09/16	Millimans, Reciprocity theorem + problems	4	"		
1	12/09/16	compensation theorem, Substitution theorem + problems	4	"		
1	14/09/16	Superposition theorem + problems.	4	"		
1	15/09/16	Maximum power transfer theorem, Tellegens theorem. + problems.	4	"		
1	19/09/16	Problems on dependent & Independent sources.	4	"		
1	20/09/16	Relationship of 2 port networks.	4	"		
1		Z-parameters, y-parameters.	4			
1	26/09/16	Transmission Line parameter & Inverse transmission line parameters + problems.	4	"		
1	27/09/16	h-parameters & Inverse h-parameters	4	"		
		Problems	4	"		
1	28/09/16	Relationship between parameter sets	4	"		
1	29/09/16	Parallel connection of 2-port networks + problems.	4	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	03/10/16	Cascading of 2 port networks.	4	"		
1	04/10/16	series connection of 2-port networks + problems.	4	"		
1	05/10/16	First order differential equ.	5	Black board		
1	06/10/16	Definition of time constants.	5	"		
1	17/10/16	R-L & R-C circuit with DC excitation	5	"		
1	18/10/16	Evaluating Initial conditions & procedure	5	"		
1	19/10/16	second order differential Equation	5	"		
1	20/10/16	Homogeneous & non homogeneous,	5	"		
		Problem solving using R-L-C elements with DC & AC Excitation	5	"		
1	24/10/16	Response as related to s-plane notation of roots.				
1	25/10/16	Laplace transform method.	5	"		
1	26/10/16	LPF, HPF, BPF Band Elimination.	5	"		
1	27/10/16	All pass prototype filters design.	5	"		
1	31/10/16	M-derived filters of LP & HP filters	5	"		
1	01/11/16	Composite design of LP & HP filters	5	"		8/01/16