

A. Jayalaxmi EMT

TJEECE-B

2013-14 (I)

## LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		<u>Performing class pt</u>	1	class & talk		
		<u>Instruments:-</u>				
1	10/6	<u>Static char: Accuracy</u>	1	"		
		Resolution, Precision,	1	"		
		Expected value, Estd,	1	"		
		Sensitivity,	1	"		
		Errors in measurement	1	"		
2	12/6	<u>Dynamic char:</u>	1			
		Speed of Response,	1	"		
		Fidelity, lag &	1	"		
		Dynamic error	1	"		
3	13/6	<u>DC voltmeter:-</u>	1	PDT		
		multirange	1	"		
		Range extension	1	"		
		Solid State	1	"		
		differential voltmeter	1	"		
4	14/6	<u>AC voltmeter:-</u>	1			
		multirange	1	"		
		Range extension	1	"		
		Shunt	1	"		

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5	17/6	→ Broad coupled RF	1	PPT		
		ammeter	1	"		
6	17/6	→ ohmmeter:- series	1	"		
		type, shunt type	1	"		
7	20/6	multimeter for	1	"		
		voltage, current &	1	"		
		Resistance measurement	1	"		
		→ Signal Generators:-	2	"		
8	21/6	fixed & variable S.G.	2	"		
9	24/6	AF oscillators	2	"		
10	24/6	Standard & AF sine	2	"		
		& Square wave generators	2	"		
11	27/6	→ Function generators	2	"		
12	28/6	→ Square pulse,	2	"		
		Random noise, Sweep	2	"		
13	1/7	→ Arbitrary waveform	2	"		
		→ Wave Analyzers	3	"		
14	3/7	→ Harmonic distortion		"		
		Analyzers	3	"		
15	4/7	→ Spectrum Analyzers	3	"		

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16	5/7	→ Digital Fourier Analysis	3	PPT		
		→ oscilloscopes	4	"		
17	8/7	→ CRT features	4	"		
18	10/7	→ vertical amplifier	4	"		
19	11/7	→ horizontal deflection system	4	"		
20	12/7	→ sweep, trigger pulse	4	"		
		→ delay line	4	"		
21	13/7	→ Sync. selected kly.	4	"		
22	15/7	→ Simple CRO	4	"		
23	16/7	→ Triggered Sweep CRO	4	"		
24	17/7	→ Dual beam CRO	4	"		
25	18/7	→ measurement of amp. & freq.	4	"		
26	19/7	→ Dual Trace osc.	5	"		
27	22/7	→ Sampling osc.	5	"		
28	23/7	→ Storage osc.	5	"		
29	24/7	→ digital read out osc.	5	"		
30	25/7	→ digital Storage osc.	5	"		

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31	26/7	→ Lissajous method		PPT		
		of freq. measurement	5	"		
32	29/7	→ standard Specifications		"		
		of CRO	5	"		
33	30/7	→ probes for CRO		"		
		Active & passive	5	"		
34	31/7	→ attenuator type	5	"		
35	1/8	→ Freq. Counter	5	"		
36	2/8	→ Time period meas.	5	"		
		AC Bridges	6	"		
		measurement of L		"		
37	5/8	→ Maxwell's bridge	6	"		
38	6/8	→ Anderson bridge	6	"		
		measurement of C		"		
39	7/8	→ Schering Bridge	6	"		
40	8/8	→ Wheatstone bridge	6	"		
41	10/8	→ Wien bridge	6	"		
42	12/8	→ Errors & precautions	6	"		
		in using bridges	6	"		
43	13/8	→ Q-meter	6	"		

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Period	Date (tentative)	Topic	Unit No	Teaching Methodology	Remarks	Corrective Action Upon Review
59	12/9	→ mixture	8	PPT		
60	13/9	→ speed	8	"		
61	16/9	→ proximity	8	"		
62	18/9	→ displacement	8	"		
63	19/9	→ data acquisition		"		
		Systems	8	"		
		→ previous papers & discussion & doubt clarification of		chat & talk		
64	20/9	unit I		"		
65	23/9	unit II		"		
66	25/9	unit III		"		
67	26/9	unit IV		"		
68	27/9	unit V		"		
69	30/9	unit VI		"		
70	3/10	unit VII		"		
71	4/10	unit VIII		"		

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14/9/15