

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Correct Upon
1	21/7/15	Static characteristics accuracy, Resolution precision. Expected value	1			
2	21/7/15	error sensitivity examples, Errors for Measurement	1			
3	23/7/15	dynamic characteristics band of response fidelity etc	1			
4	24/7/15	dynamic errors examples problems	1			
5	28/7/15	VOLTMETER construction sensitivity, problem solving. Multi range extn	1			
6	28/7/15	Multimeter for voltage, current and Resistance Measurement	1			
7	30/7/15	Ohm-meters series type problem-solving	1			
8	31/7/15	Shunt type - problem solving problem solving in more problems	1			
9	3/8/15	Digital voltmeter meter, block diagram and specification	1			
10	3/8/15	Problem solving unit - 1 test.	1			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Correctly Upon
11	5/8/15	fixed and variable signal generator	2			
12	7/8/15	AF oscillator standard and practical	2			
13	11/8/15	Square wave generator	2			
14	13/8/15	function generator	2			
15	14/8/15	square pulse, random noise generator	2			
16	18/8/15	Sweep generator examples	2			
17	18/8/15	Harmonic distortion analyzer examples types	2			
18	20/8/15	wave analyzers explanation, types.	2			
19	21/8/15	Spectrum analyzer	2			
20	25/8/15	digital Fourier analyzer	2			
21	25/8/15	Introduction to CRO, features	3			
22	1/9/15	block diagram explanation examples	3			
23	1/9/15	Vertical sensitive line	3			

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24	3/9/15	Horizontal amplifier	3			
25	4/9/15	Sweep ckt, trigger ckt	3			
26	5/9/15	delay line FN CRD	3			
27	6/9/15	Sync selector Circuit & Examples	3			
28	10/9/15	Trigger & Sweep CRD	3			
29	11/9/15	Dual beam CRD Examples	3			
30	15/9/15	Measurement of amplitude & frequency	3			
31	15/9/15	Examples problem solving	3			
32	17/9/15	Dual trace oscilloscope	3			
33	18/9/15	Storage oscilloscope	3			
34	22/9/15	Digital storage oscilloscope	3			
35	22/9/15	Lissajous Patterns for freq. measurement	3			
36	24/9/15	Standard specification	3			

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37	25/9/15	CRO probes,	3			
38	2/10/15	types, active, passive examples	3			
39	6/10/15	Attenuator type, transistor	3			
40	8/10/15	Introduction to bridges	4			
41	9/10/15	Balancing Bridges	4			
42	13/10/15	Measurement of Resistance Wheatstone bridge	4			
43	13/10/15	problem Solving	4			
44	15/10/15	Measurement of Inductance problem Solving	4			
45	16/10/15	Maxwell's bridge, problems	4			
46	20/10/15	Alexson bridge	4			
47	20/10/15	problem Solving	4			
		problem Solving				
		Schering bridge problem Solving	4			
		Kelvin's bridge	4			
		problem Solving	4			
		Wien's bridge problem Solving				

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48	22/10/15	Errors & precautions	4			
49	23/10/15	Q-meter construction	4			
		Explanation				
49	23/10/15	Introduction to transducers	4			
		Introduction to transducers	5			
50	27/10/15	Resistive transducers	5			
		Examples				
51	27/10/15	Passive & active transducers	5			
52	29/10/15	Capacitance transducers	5			
		Applications				
53	30/10/15	Inductance transducers	5			
		Strain gauges	5			
		LVDT				
54	3/11/15	piezo-electric transducers	5			
		Electrical model				
55	3/11/15	Resistance thermometers	5			
		thermocouples				

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
56	5/11/15	thermistors, Sensor types operation	5			
57	6/11/15	Hall effect transducers Explanation	5			
58	10/11/15	Data acquisition systems analog digital	5			
59	10/11/15	Calibration & standards of instruments	5			

2/6/15