

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Correct Upon
1	26/8/14	Performance characteristics of instruments, Static characteristics, Accuracy.	I	Black board		
2	26/8	Resolution, Precision, Expected Value, Error sensitivity	"	"		
3	27/8	Errors in measurement, Dynamic characteristics, Speed of response, Fidelity	"	"		
4	28/8	Log & dynamic error, Dc-Voltmeter multi-range.	"	"		
5	26/9	Range extension/ solid state and differential Voltmeter AC voltmeter multi-range, range extension, shunt.	"	"		
6	24/9	Thermocouple type RF ammeter, ohmmeter series type, shunt type	"	"		
7	3/9	Multimeter for Voltage	"	"		
8	4/9	Current and Resistance Measurements	"	"		
9	5/9	Revision of important topics	"	"		
10	9/9	Signal Generators - fixed and variable	II	"		
11	19/9	AC Voltmeter	"	"		

		Wave generator	II	board		
13	11/5	Function generator	"	"		
14	12/5	Square pulse	"	"		
15	16/5	Random Noise, Scope	"	"		
16	16/5	Arbitrary waveform	"	"		
17	17/5	Revision of important topics	"	"		
18	18/5	Wave Analyzers	III	"		
19	15/5	Harmonic Distortion Analyzers	"	"		
20	23/5	Spectrum Analyzers	"	"		
21	23/5	Digital Fourier Analyzers	"	"		
22	24/5	Revision of important topics	"	"		
23	28/5	Oscilloscopes and features	IV	"		
24	30/5	Vertical amplifier	"	"		
25	11/10 30/5	Horizontal amplifiers	"	"		
26	7/10	Sweep, trigger Pulse	"	"		
		Delay line, Sync selector circuits	"	"		
27	7/10	Simple CRO	"	"		
28	8/10	triggered sweep CRO	"	"		
29	9/10	Dual beam CRO	"	"		
30	10/10	Measurement of amplitude & frequency	"	"		

Revision of important topics

21	29/10	Dual trace oscilloscope	V	black board		
22	21/10 20/10	sampling oscilloscope	"	"		
23	22/10	Storage oscilloscope	"	"		
34	29/10	digital readout oscilloscope	"	"		
35	29/10	digital storage oscilloscope	"	"		
36	29/10	Lissajous method of frequency measure- -ment	"	"		
37	20/10	Standard specifica- -tions of CRO probes -for CRO - Active? Passive	"	"		
38	21/10	Attenuator type	"	"		
39	4/11	Frequency Counter Revision of Imp topics	"	"		
40	4/11	Time & Period Measurement	"	"		
41	5/11	AC Bridges Measurement of inductance - Maxwell -s bridge	VI	"		
42	6/11	Anderson bridge	"	"		
43	7/11	Measurement of capacitance - shearing Bridge	"	"		
44	11/11	coheat stone bridge	"	"		
45	11/11	wien bridge	"	"		
46	12/11	Errors & precautions in using bridges.	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
44	12/11	Q-meter & Revision of important topics	<u>V</u>	black board		
48	14/11	Transducers - active & passive	<u>VII</u>	"		
49	18/11	transducers : Resistance	"	"		
50	19/11	Capacitance, Inductance	"	"		
51	19/11	Strain gauges	"	"		
52	20/11	LVDT	"	"		
53	21/11	Piezoelectric transducers	"	"		
54	24/11	Resistance Thermo meters	"	"		
55	25/11	Thermo Couples,	"	"		
56	26/11	Thermistors, Sensistors	"	"		
57	27/11	Revision of important topics	"	"		
58	28/11	Measurement of physical parameters - force	<u>VIII</u>	"		
59	2/12	Pressure,	"	"		
60	2/12	velocity, humidity	"	"		
61	3/12	moisture, speed	"	"		
62	4/12	Proximity & displacement	"	"		
63	5/12					
64	9/12	Data Acquisition	"	"		