## **LESSON PLAN**

Department:  Semester/Division/Branch:  Subject Name with code:  Total No. of Class (Required):  Faculty Name:  Class No.  Brief description of the Topic/Chapter to be taught  Define Accuracy, precision, Errors, Resolutions Sensitivity and tolerance.  Classification of measuring instruments  Calibration of instruments  Moving iron type instruments  PLECTRICAL MEASURING INSTRUMENTS  ELECTRICAL ENGINEERING  ELECTRICAL MEASURING INSTRUMENTS  ELECT	S(EMI)TH-3 Remarks
Subject Name with code:  Total No. of Class (Required):  Faculty Name:  PALLAVI MISHRA  Class No.  Brief description of the Topic/Chapter to be taught  Define Accuracy, precision, Errors, Resolutions Sensitivity and tolerance.  Classification of measuring instruments  Calibration of instruments  Describe Construction, principle of operation, errors, ranges merits  Moving iron type instruments  2 Permanent Magnet Moving coil type instruments	
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7 Dynamometer type instruments	
8 Induction type instruments	
9 Solve Numerical	
Describe Construction, principle of working of Dynamometer type wattmeter. (LPF and UPF type)	
The Errors in Dynamometer type wattmeter and methods of their correction	
Com Discuss Induction type watt meters.mutation and methods of improving commutation.	
13 Revision	
14 Class test	
15 Revision	
16 Introduction to energy meter	

17	Tachometers, types and working principles	
18	Principle of operation and construction of Mechanical and Electrical	
18	resonance Type frequency meters	
	tion of Dynamometer type single phase	
19	Principle of operation and working of Dynamometer type single phase	
	and three phase power factor meters	1
20	Classification of resistance	4 C
21	Measurement of low resistance by potentiometer method.	
22	Measurement of medium resistance by wheat Stone bridge method	
23	Measurement of high resistance by loss of charge method	
24	3 Construction and principles of Multimeter. (Analog and Digital)	737
25	Measurement of inductance by Maxewell's Bridge method	
26	Measurement of capacitance by Schering Bridge method	
27	Characteristics of shunt, series and compound motors and their application	
28	Revision	
29	Class test	
30	Classification of resistance	
31	Measurement of low resistance by potentiometer method	
32	Measurement of medium resistance by wheat Stone bridge method.	
33	Measurement of high resistance by loss of charge method.	
34	Construction and principles of Multimeter. (Analog and Digital)	
35	Measurement of capacitance by Schering Bridge method	
36	Discussion	
37	Class test	
38	Revision	
39	Define Transducer, sensing element or detector element and	
	transduction elements	
40	Classify transducer. Give examples of various class of transducer.	
41	Resistive transducer	

Signature of the Faculty

Signature of the H.O.D