

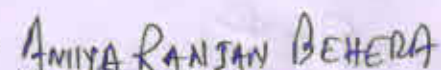
## Lesson Plan

Subject EMI (Code) TH-3 Name of faculty AMIYA RANJAN BEHERA

Semester 4th Class allotted 5 weeks Branch : ELECTRICAL

Discipline	Semester	From date: 14.02.23 To date: 23.05.23	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/Lesson	
Week	Date/Period		
1	14/02/23 to 17/02/23	Define Accuracy, Precision, Errors, Resolutions Sensitivity and tolerance. Classification of measuring instruments.	White board & Marker
	20/02/23 to 25/02/23	Explain Deflecting, controlling and damping arrangements in indicating type of instruments. Calibration of Instruments	White board & Marker
3	27/02/23 to 04/03/23	Describe construction, principle of operation, errors, ranges merits and demerits of moving iron type instruments.	White board & Marker
	06/03/23 to 11/03/23	Permanent magnet moving coil type instruments. Dynamometer type instruments. Rectifier type instruments.	White board & Marker
5	13/03/23 to 18/03/23	Induction type instruments. Extend the range of instruments by use of shunts and multipliers. Solve Numerical	White board & marker
	20/03/23 to 25/03/23	Describe construction, principle of working of dynamometer type wattmeter. (PF and UPF type)	White board & Marker
7	27/03/23 to 31/03/23	The Errors in dynamometer type wattmeter and methods of their correction. Discuss induction type watt meters.	White board & Marker

  
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Week	Date Period	Theory Practical Topics/Lesson	Teaching Aid
8	03/04/23 to 08/04/23	Introduction. Single phase induction type Energy meters - Construction Working Principle and their Composition & adjustments.	White board & Marker.
	10/04/23 to 15/04/23	Testing of Energy Meters. Tachometers, Types and working Principles.	White board & marker
10	17/04/23 to 21/04/23	Principle of operation and construction of mechanical and Electrical resonance type frequency meters.	White board & Marker
	24/04/23 to 29/04/23	Principle of operation and working of dynamometer type single phase and three phase Power factor meters.	White board & marker
12	01/05/23 to 06/05/23	Classification of resistance construction, Principle of operations of megger and earth tester for insulation resistance and earth resistance measurement respectively.	White board & marker
	08/05/23 to 13/05/23	Define Transducer, Sensing element or detector element and transduction elements. classify transducer, Give examples of various class of transducer.	White board & marker
14	15/05/23 to 20/05/23	Resistive transducer, inductive Transducer, Piezo electric Transducer and Hall Effect transducer with their applications.	White board & marker
	22/05/23 to 23/05/23	Principle of operation of cathode Ray Tube. Measurement of AC Voltage, current phase & frequency.	White board & marker

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