Branch- electrical engineering	SEMESTER- 6TH	NAME OF THE FACULTY:-Miss.
	SEM	Sunil Badatya
SUBJECT:- ELECTRICAL	NO OF	SEMESTER FROM-
MEASUREMENT &	CLASS/WEEKS	16.01.2024 to 26.04.2024
INSTRUMENTATION	Allotted:5	NO OF WEEKS:15
WEEKS – 15	CLASS/DAY	Торіс
16.01.2024	1st	MEASURING INSTRUMENTS
То	2nd	Define Accuracy, precision, Errors,
21.01.2024		Resolutions Sensitivity and tolerance.
	3rd	Classification of measuring instruments.
	4th	Explain Deflecting, controlling and
		damping arrangements in indicating type
		ofinstruments.
	1st	Calibration of instruments.
	2nd	NETAJI SUBHAS CHANDRA BOSE JAYANTI
		ANALOG AMMETERS AND VOLTMETERS
22.01.2024	3rd	
То	4th	Describe Construction, principle of
27.01.2024	-1(1)	operation, errors, ranges merits and
27.01.2024		demerits .
	5th	REPUBLIC DAY
	lst	Moving iron type instruments.
	2nd	Permanent Magnet Moving coil type
	2110	instruments.
		Dynamometer type instruments
29.01.2024	3rd	Bynamoniecer cype men america
Z9.01.2024 To	510	Rectifier type instruments
03.02.2024	4th	
05.02.2024	Sth	Induction type instruments
		Extend the range of instruments by use of
	1st	shunts and Multipliers.
	2nd	Solve Numerical
25 22 2024	3rd	Solve Numerical
05.02.2024	4th	WATTMETERS AND MEASUREMENT OF
To	411	POWER
10.02.2024	Sth	Describe Construction, principle of
	500	working of Dynamometer type wattmeter
		(LPF and UPF type)
	1.4	The Errors in Dynamometer type
	lst	wattmeter and methods of their
(石) [4] [4]		correction.
12.02.2024		The Errors in Dynamometer type
То	2nd	wattmeter and methods of their
17.02.2024		
		correction.
	3rd	VASANT PANCHAMI
		Discuss Induction type watt meters.
	4th	
	Sth	Discuss Induction type watt meters.
	1 st	Discuss Induction type watt meters.

m lumb 12/01/2024

	2nd	ENERGYMETERS AND MEASUREMENT OF ENERGY
19.02.2024 To	3rd	Introduction
24.02.2024	4th	Single Phase Induction type Energy meters
		Single Phase Induction type Energy meters
	5th	construction, working principle.
		Single Phase Induction type Energy meters
	1st	
	2nd	Their compensation & adjustments.
26.02.2024	3rd	Testing of Energy Meters.
То	4th	Testing of Energy Meters.
02.03.2024	5th	MEASUREMENT OF SPEED, FREQUENCY
02.03.2024		AND POWER FACTOR
	1st	Tachometers, types and working principles
	2nd	PANCHAYAT RAJ DIVAS
04.03.2024	3rd	Tachometers, types and working principles
То	4th	Principle of operation and construction of
09.03.2024		Mechanical and Electrical resonance
		Type frequency meters.
		MAHA SIVA RATRI
	5th	
	1st	Principle of operation and construction of
		Mechanical and Electrical resonance
11.03.2024	the matter	Type frequency meters.
То	2nd	Principle of operation and working of
16.03.2024	A CARLES CONTRACT	Dynamometer type single phase and three
	The second second second second	phase power factor meters.
	3rd	Principle of operation and working of
		Dynamometer type single phase and three
		phase power factor meters.
	4th	MEASUREMENT OF RESISTANCE,
		INDUCTANCE& CAPACITANCE
	5th	Classification of resistance
	1st	Measurement of low resistance by
		potentiometer method
		Measurement of medium resistance by
	2nd	wheat Stone bridge method. Measurement of high resistance by loss of
18.03.2024	3rd	
То		charge method. Construction, principle of operations of
23.03.2024	4th	Megger & Earth tester for insulation
		resistance and earth resistance
		measurement respectively.
		Construction and principles of Multimeter.
	5th	(Analog and Digital)
		DOLO PRUNIMA
	1st	
	2nd	HOLI Measurement of inductance by Maxewell's
		Weasurement of mudeumery

N/mt 12/01/2024

25.03.2024	3rd	Bridge method.
То	4th	Measurement of capacitance by Schering
30.03.2024		Bridge method
		GOOD FRIDAY
	5th	
	1st	UTAKAL DIVAS
	2nd	SENSORS AND TRANSDUCER
01.04.2024	3rd	Define Transducer, sensing element or
То		detector element and transduction
06.04.2024		elements.
	4th	Classify transducer. Give examples of
		various class of transducer.
	5th	Resistive transducer
	1st	Linear and angular motion potentiometer.
	2nd	Thermistor and Resistance thermometers.
	3rd	Wire Resistance Strain Gauges, Inductive
08.04.2024	J STU	Transducer1
То		ID-UL-FITRE
13.04.2024	4th	
2010	5th	Principle of linear variable differential
		Transformer (LVDT) Uses of LVDT.
		Capacitive Transducer.
	1st	General principle of capacitive transducer.
		Variable area capacitive transducer.
	2nd	Change in distance between plate
15.04.2024		capacitive transducer.
То	March	Piezo electric Transducer and Hall Effect
20.04.2024	· All and a state of the second	Transducer with their applications.
2010 11202 1	3rd	RAM NAVAMI
	4th	OSCILLOSCOPE
	5th	Principle of operation of Cathode Ray
		Tube.
	1st	Principle of operation of Oscilloscope (with
22.04.2024		help of block diagram).
То	2nd	Measurement of DC Voltage & current.
27.04.2024	3rd	Measurement of AC Voltage, current,
27.04.2024		phase & frequency.
	4th	ATTEDANCE CLOSE
	5th	

mant 12/01/2024