

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN

Discipline :		Semester: 1st Sem	Name of the Teaching Faculty :Leena Marndi	
Subject : FUNDAMENTAL OF ELECTRICAL AND ELECTRONICS LAB		No. of Periods/ per week class allotted : 03*1	Semester From date : 14.08.2024 To Date : 10.12.2024	
MONTH	Week	Day	Topics	
AUGUST	3rd	5th	G-I	Determine the permeability of magnetic material by plotting its B-H curve
	4th	5th	G-I	Measure voltage, current and power in 1-phase circuit with resistive load
	5th	5th	G-I	Measure voltage, current and power in R-L series circuit
SEPTEMBER	1st	1st	G-II	Determine the permeability of magnetic material by plotting its B-H curve
		5th	G-I	Determine the transformation ratio(K) of 1-phase transformer
	2nd	1st	G-II	Measure voltage, current and power in 1-phase circuit with resistive load
		5th	G-I	Connect single phase transformer and measure input and output quantities
	3rd	5th	G-I	Make Star and Delta connection in starter to run induction motor
	4th	1st	G-II	Measure voltage, current and power in R-L series circuit
		5th	G-I	Identify various passive and active electronics components
5th	1st	G-II	Determine the transformation ratio(K) of 1-phase transformer	
OCTOBER	1st	5th	G-I	Connect resistors in series and parallel combination and measure its value using digital multimeter
	3rd	1st	G-II	Connect single phase transformer and measure input and output quantities
		5th	G-I	Connect capacitors in series and parallel combination and measure its value using multimeter
	4th	1st	G-II	Make Star and Delta connection in starter to run induction motor
		5th	G-I	Use multimeter to measure the value of given resistor and determine the value to confirm with colour code
5th	1st	G-II	Identify various passive and active electronics components,Connect resistors in series and parallel combination and measure its value using digital multimeter	
NOVEMBER	1st	5th	G-I	Test the PN-junction diode and LED using digital multimeter
	2nd	1st	G-II	Connect capacitors in series and parallel combination and measure its value using multimeter
		5th	G-I	Test the performance of PN-junction diode
	3rd	1st	G-II	Use multimeter to measure the value of given resistor and determine the value to confirm with colour code
	4th	1st	G-II	Test the PN-junction diode and LED using digital multimeter
		5th	G-I	Test the performance of Zener diode
5th	1st	G-II	Test the performance of PN-junction diode	
	5th	G-I	Identify three terminals of a transistor using digital multimeter	
DECEMBER	1st	1st	G-II	Test the performance of Zener diode
		5th	G-I	Test the performance of NPN transistor
	2nd	1st	G-II	Identify three terminals of a transistor using digital multimeter,Test the performance of NPN transistor