

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN

Discipline : ELECTRICAL ENGG.		Semester: 1st Sem		Name of the Teaching Faculty : MANOJ KUMAR PRADHAN	
Subject : FUNDAMENTAL OF ELECTRICAL AND ELECTRONICS LAB		No. of Periods/ per week class allotted : 2+2		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	