

Govt. Polytechnic Hamirpur (H.P.)
Practical Planning & Coverage


Branch : Mechanical Engineering Semester: 2nd

Subject : FUNDAMENTALS OF ELECTRICAL & ELECTRONICS ENGINEERING Session: Jan-Jun-2026

Teacher: Archit Bharti Lab : EEMI Lab

Pract. No.	Description of Practical	Reference for Procedure/ Writeup	Likely Dates	Actual Dates	Signature
1.	Determine the permeability of magnetic material by plotting its B-H curve.	R1 R2 R3	G1- 02.02.26 G2- 5.02.26		
2.	Measure voltage, current and power in 1-phase circuit with resistive load	R1 R2 R3	G1- 09.02.26 G2- 12.02.26		
3.	Measure voltage, current and power in R-L series circuit.	R1 R2 R3	G1- 09.02.26 G2- 12.02.26		
4.	Determine the transformation ratio (K) of 1-phase transformer.	R1 R2 R3	G1- 16.02.26 G2- 19.02.26		
5.	Connect single phase transformer and measure input and output quantities	R1 R2 R3	G1- 16.02.26 G2- 19.02.26		
6.	Make Star and Delta connection in induction motor starters and measure the line and phase values.	R1 R2 R3	G1- 23.02.26 G2- 26.02.26		
7.	Identify various passive electronic components in the given circuit.	R4	G1- 09.03.26 G2- 12.03.26		
8.	Connect resistors in series and parallel combination on bread board and measure its value using digital multi meter.	R1 R2	G1- 09.03.26 G2- 12.03.26		
9.	Connect capacitors in series and parallel combination on bread board and measure its value using multi meter.	R1 R2	G1- 09.03.26 G2- 12.03.26		
10.	Identify various active electronic components in the given circuit.	R4	G1- 16.03.26 G2- 19.03.26		
11	Use multi meter to measure the value of given resistor	R1, R2	G1- 16.03.26		

			G2- 19.03.26		
12	Use LCR-Q tester to measure the value of given capacitor and	R1 R2	G1- 16.03.26 G2- 19.03.26		
13	Determine the value of given resistor using digital multi meter to confirm with colour code.	R1 R2	G1- 23.03.26 G2- 02.04.26		
14	Test the PN-junction diodes using digital multi meter.	R4 R5	G1- 23.03.26 G2- 02.04.26		
15	Test the performance of PN-junction diode.	R4 R5	G1- 23.03.26 G2- 02.04.26		
16	Test the performance of Zener diode.	R4 R5	G1- 06.04.26 G2- 16.04.26		
17	Test the performance of LED	R4 R5	G1- 06.04.26 G2- 16.04.26		
18	Identify three terminals of a transistor using digital multi meter	R4 R5	G1- 06.04.26 G2- 16.04.26		
19	Test the performance of NPN transistor.	R4 R6	G1- 13.04.26 G2- 23.04.26		
20	Determine the current gain of CE transistor configuration.	R4 R6	G1- 13.04.26 G2- 23.04.26		
21	Test the performance of transistor switch circuit.	R4 R6	G1- 27.04.26 G2- 08.05.26		
22	Test the performance of transistor amplifier circuit.	R4 R6	G1- 27.04.26 G2- 08.05.26		
23	Test Op-Amp as amplifier and Integrator	R5	G1- 11.05.26 G2- 22.05.26		


 27/1/26
 Signature of Teacher with Date


 Signature of H.O.D.