



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

Branch : Mechanical Engineering  
Subject : Applied Physics-II lab  
Teacher: Amit Patuk

Semester : Second  
Session : 27th January 2025- 29th May 2025  
Laboratory: Applied Physics-II

Pract. No.	Description of Practical	Reference for Procedure/ Write up	Likely Dates	Actual Dates	Signature
1	To determine and verify the time period of a cantilever.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th week of January and 1st week of Feb.		
2	To verify laws of reflection from a plane mirror/ interface.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	2nd and 3rd week of Feb.		
3	To verify laws of refraction (Snell's law) using a glass slab.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	4th and 5th week of Feb.		
4	To determine focal length and magnifying power of a convex lens.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	1st and 2nd week of March		
5	To verify Ohm's law by plotting graph between current and potential difference.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	1st and 2nd week of April		
6	To verify laws of resistances in series and parallel combination.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	3rd, 4th and 5th week of March		
7	To find resistance of a galvanometer by half deflection method.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	1st and 2nd week of April		
8	To draw V-I characteristics of a semiconductor diode (Ge, Si) and determine its knee voltage.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	3rd and 4th week of April		
9	To measure numerical aperture (NA) of an optical fiber.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th week of April, 1st and 2nd week of May		
10	To verify Kirchhoff's laws using electric circuits.	Applied Physics-II lab manual-2022 scheme/ Applied Physics-By RA BANWAT	3rd and 4th week of May		

  
Signature of Teacher

  
Signature of H.O.D.