


# Govt. Polytechnic Hamirpur (H.P.)

## Practical Planning & Coverage

Branch : Electrical Engg. & IT  
 Subject : Applied Physics-I  
 Teacher: Pratam Singh Dogra

Semester : First  
 Session : Aug 21 to Dec 24  
 Labortary: Applied Physics-I

Pract. No.	Description of Practical	Reference for Procedure/ Write up	Likely Dates	Actual Dates	Signature
1	To measure length, radius of a given cylinder, a test tube and a beaker using a Vernier caliper and find volume of each object.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th & 6th week of August.		
2	To determine diameter of a wire, a solid ball and thickness of cardboard using a screw gauge.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th week of Aug & 1st week Sep		
3	To determine radius of curvature of a convex and a concave mirror/surface using a spherometer.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	2nd week of Sep. 3rd week of Sep.		
4	To verify triangle and parallelogram law of forces.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	4th week Sep 01 week Oct		
5	To find the co-efficient of friction between wood and glass using a horizontal board.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	02 week Oct 03 week Oct		
6	To determine force constant of a spring using Hook's Law.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	4th week Oct		
7	To verify law of conservation of mechanical energy (PE to KE).	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th week Oct		
8	To find the moment of inertia of a flywheel.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	1 week Nov.		
9	To find the coefficient of linear expansion of the material of a rod.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	2nd week Nov 3rd week Nov.		
10	To determine atmospheric pressure at a place using Fortin's barometer	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	4th week Nov		
11	To measure room temperature and temperature of a hot bath using mercury thermometer and convert it into different scales.	Applied Physics-I lab manual-2022 scheme/ Applied Physics-By RA BANWAT	5th week Nov.		

  
 Signature of Teacher  
(Pratam Singh Dogra)

  
 for Kiran  
 Signature of H.O.D.