



Government Girls' Polytechnic, Bilaspur

Name of the Lab: **Applied Physics Lab**

Practical : **Applied Physics Lab**

Class: **1st Semester (CSE, IT, ET&T)**

Teachers Assessment: 20 End Semester Examination: 100

List of Experiments

1. To measure radius of curvature of given curved surface using Spectrometer.
2. To determine the value of “g” using simple pendulum.
3. To determine Young’s modulus of elasticity of a material of given wire Using Searl’s apparatus.
4. To determine surface tension of water by capillary rise method.
5. To determine coefficient of viscosity of a fluid by Poiseuille’s method.
6. To determine refractive index of the material of prism using graph.
7. To determine focal length of concave mirror & convex lens.
8. To determine focal length of combination of two lenses.
9. To determine mechanical equivalent of heat by using Joules colorimeter.