

# Applied Physics B. Tech. Laboratory

## Department of Physics, NIT Srinagar

Faculty Incharge:  
Student:

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C. No. : PHP 100  
R. No. : 329

S. No.	Name of Experiment	Bench No.
1.	Determination of the absorption coefficient of liquid or solution with the help of a photovoltaic cell.	01
2.	Study the variation of Magnetic field at the center of circular coils when turns remain constant and radii vary.	02
3.	To find the refractive index of the liquid using laser.	
4.	To determine $e/m$ (specific charge) for an electron by magnetic method	03
5.	Determination of the coefficient of viscosity of Glycerin or Castor oil by falling sphere method.	04 - 05
6.	Determination of Young's modulus of a bar by Bending Method.	10
7.	To determine the value of acceleration due to gravity by Kater's pendulum.	
8.	To plot a graph between the distance of the knife edge from center of gravity (C.G). From the graph find the acceleration due to gravity.	