

Department of Physics

Physics Lab (*Phy-103 & Phy-203*)

B. Sc. 1st Year

List of Experiments

Section –A

1. **Moment of Inertia of a fly-wheel.**
2. **Moment of Inertia of an irregular body using a torsion pendulum.**
3. **Surface tension by Jeager's method.**
4. **Young's modulus by bending beam.**
5. **Modulus of rigidity by Maxwell needle.**
6. **Elastic constant by Searle's method.**
7. **Viscosity of water by its flow through a uniform capillary tube.**
8. **Thermal conductivity of a good conductor by Searle's method.**
9. **Mechanical equivalent of heat by Barue's method.**
10. **'g' by Bar pendulum.**
11. **E.C.E. of hydrogen using an Ammeter.**
12. **Calibration of thermocouple by potentiometer.**



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