

**BACHELOR OF SCIENCE in PHYSICS (HONS)**  
**SEMESTER – I**

**MECHANICS PRACTICAL**

**Paper Code: PHY-101P**

**PHY-101P MECHANICS PRACTICAL**

**25 MARKS**

**Laboratory:**

1. Determination of 'g' by using a compound pendulum (bar with holes)
2. Determination of moment of inertia of a body by using a torsion pendulum
3. Determination of frequency of a tuning fork by means of a sonometer
4. Determination of 'g' by Kater's pendulum
5. Determination of surface tension of a given liquid by capillary rise method and verification of Jurin's law.
6. Determination of coefficient of viscosity of water by Poiseuille's method.
7. Verification of Stock's law and determination of coefficient of viscosity of a liquid.
8. Determination of Young's modulus by Searle's method.
9. Determination of rigidity modulus by statical method

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