INVERTIS
UNIVERSITY BAREILLY

Physics Lab - I

Course Code: BEB152
Contact Hours: 15
Course Outline

Credit: 1 (L-0, T-0, P-2)
MM: 25

List of experiments (Perform Any Eight;)

1. To determine the height of a tower with a sextant.
2. To determine the wavelength of monochromatic light by Newton's ring.
3. To determine the focal length of two lenses by nodal slide and locate the position of cardinal points. 4. To determine the Moment of Inertia of a Flywheel.
5. To determine the coefficient of viscosity of water by capillary flow method (Poiseuille's method).
6. To determine the surface tension of a liquid by Jager's method.
7. To determine the modulus of rigidity by horizontal apparatus. 8. To determine the modulus of rigidity by vertical apparatus. 9. To determine g by Bar Pendulum.
10. To determine g by Katter's Pendulum.

Suggested Reading:

- Geeta Sanon. B. Sc. Practical Physics, 1stEdn. (2007), R. Chand & Co
- B. L. Worsnop and H. T. Flint, Advanced Practical Physics, Asia Publishing House, New Delhi
- Indu Prakash and Ramakrishna, A Text Book of Practical Physics Vol 1 &Vol 2, Kitab Mahal, New Delhi
- D. P. Khandelwal, A Laboratory Manual of Physics for Undergraduate Classes,Vani Publication House, New Delhi

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