

# Department of Physics

## Physics Lab (*Phy-303 & 304*)

*B. Sc. 2nd Year*

### *List of Experiments*

#### Section –A

#### Optics

1. To measure the (a)Area of a window (b)Height of an inaccessible object.
2. Refractive index and dispersive power of prism material by spectrometer.
3. To draw a graph between wave length and minimum deviation for various line from a mercury discharge source.
4. Determine the wavelength of sodium light and the no. of line per centimeter using a diffraction grating.
5. Wavelength by Newton's rings.
6. Resolving power of telescope.
7. Comparison of illuminating power by two photometers.
8. Measurement of (a) Specific Rotation (b) concentration of sugar solution using polarimeter.
9. Ordinary and Extraordinary refractive indices for calcite and quartz crystals.



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