

Experiments Will Be Performed By The Students:

- 1. Young's double slit experiment.**
- 2. Measuring the Effect of Sugar Concentration on the Refractive Index by using Abbe refractometer.**
- 3. Verification of inverse square law and measure the absorption coefficient of light in the glass using photovoltaic cell**
- 4. Determine specific rotation using the Polarimeter**
- 5. Newton's Rings in Transmitted Monochromatic Light**
- 6. Lloyd's mirror experiment**
- 7. Interference at a Fresnel's biprism**
- 8. Measurement of the Refractive Index of a Prism by spectrometer**
- 9. Measuring wavelengths with a diffraction grating**
- 10. Meld's Experiment.**