B.Sc. Semester-II

Practical: PH-MJ 202 (P)

Sr.No.	Experiment
1	To study magnetic field due to a current carrying solenoid
2	To study wattage of a lamp
3	To determine the refractive index of the material of prism using spectrometer
4	To determine wavelength of monochromatic light using Newton's rings
5	To study characteristics of a BJT (CE configuration)
6	To study zener diode as a voltage regulator
7	To determine radius of curvature of the curved surface of the plano-convex lens using Newton's rings
8	To determine characteristics of photocell

ReferenceBooks

1. D. C. Tayal, University Practical physics, Edited by Ila Agarwal, HimalayaPublishingHouse.
2. B. L.WorsnopandH.T.Flint,AdvancedPracticalPhysics,AsiaPublishingHouse,NewDelhi.
3. D. P. Khandelwal, A Laboratory Manual of Physics for Undergraduate Classes, VaniPublicationHouse, NewDelhi.
4. GeetaSanon,BScPractical Physics,1st Ed.(2007),R.Chand&Co.

Note:

1. The duration of each experiment is of 2 hours. Two such experiments are to be performed by each student per week..
2. In the external exam, a student will have to perform two experiments, one from each group. The experiment will be of 2 hour duration.
3. There should be two examiners, one for each group, in the external examination.
4. There should not be more than **10 students** per examiner per session in the external examination.