B.Sc. Semester-I

Practical: PH-MJ 102 (P)

Sr.No.	Experiment
1	To determine low resistance using Wheatstone's bridge by the method of Projection of potential
2	To study decay of current in an RC circuit
3	To study half wave rectifier with various filters
4	To study full wave rectifier with various filters
5	To determine resistivity of the material of a conductor using Ohm's law
6	To determine cardinal points of a lens system placed in air
7	To determine angle of prism using spectrometer
8	Demonstration of spectrometer

ReferenceBooks

5. D. C. Tayal, University Practical physics, Edited by Ila Agarwal, Himalayan Publishing House
6. B. L.Worsnopand H.T. Flint, Advanced Practical Physics, Asia Publishing House, New Delhi.
7. D. P. Khandelwal, A Laboratory Manual of Physics for Undergraduate Classes, Vani Publication House, New Delhi.
8. Geeta Sanon,B.Sc.Practical 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