B.Sc. Semester-I

Practical: PH-MN 101 (P)

Sr. No.	Experiment
1	To do error Analysis
2	To determine the modulus of rigidity of wire using torsional pendulum
3	To determine the modulus of rigidity of rod by Searle's apparatus
4	To determine elastic constant Y by Searl's method
5	To determine elastic constant η by Searl's method
6	To determine force Constant (k) of a spring
7	Study of Melde's experiment (with constant mass)
8	Study of Melde's experiment (with constant length)
9	Study of Resonance phenomena using tuning frock
10	Calculate AC frequency using Sonometer
11	Study of damped oscillation
12	Modulus of rigidity of material of flat spiral spring

ReferenceBooks

1. D.C.Tayal, University Practical physics, Edited by IlaAgarwal,Himalayan Publishing House
2. B. L. Worsnop and H. T. Flint, Advanced Practical Physics, Asia Publishing House, New Delhi.
3. P. Khandelwal, A Laboratory Manual of Physics for Undergraduate Classes, Vani Publication House, New Delhi.
4. GeetaSanon, BSc Practical Physics, 1st Ed. (2007), R. Chand & Co.