## B.Sc. Semester-II

## Practical: PH-MJ 201 (P)

| Sr.No. | GroupA |
|---|---|
| 1 | To verify the perpendicular axes theorem of moment of inertia |
| 2 | To verify the parallel axes theorem of moment of inertia |
| 3 | To determine elastic constants,Y,□,Kan□, by Searle's method |
| 4 | To determine "Y" by cantilever |
| 5 | To determine "Y" by the method of bending |
| 6 | To determine modulus of rigidity of a wire using torsional pendulum |
| 7 | To determine thermal conductivity of a bad conductor by Lee's method |
| 8 | Demonstration of travelling microscope |

## ReferenceBooks


1. D. C. Tayal, University Practical physics, Edited by Ila Agarwal, Himalayan Publishing House
2. B. L.Worsnopand H.T. Flint, Advanced Practical Physics, Asia Publishing House, New Delhi.
3. D. P. Khandelwal, A Laboratory Manual of Physics for Undergraduate Classes, Vani Publication House, New Delhi.
4. 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.