

GOVT P G COLLEGE AMBALA CANTT

Lesson Plan

Academic Session: 2019-2020

Name of the Assistant Professor: **Dr. Sushma Devi,**

Class: **B. Sc. 2nd Semester(NM)**

Subject: **Physics**

Paper: **kinetic theory of gases**

| Week | unit | Topics |
|------|--|---|
| 1 | Chapter-I : Moment of inertia | Guru Gobind singh jayanti |
| | | Introduction ,Rotation of rigid body, |
| | | Moment of inertial, Torque, angular momentum, Kinetic Energy of rotation. |
| | | Sunday |
| 2 | Chapter-I Moment of inertia | Theorem of perpendicular and parallel axes (with proof). |
| | | Moment of inertia of solid sphere, |
| | | Moment of inertia of hollow sphere |
| | | Sunday |
| 3 | Chapter-I Moment of inertia | MOI of Spherical shell, solid cylinder, |
| | | Hollow cylinder and solid bar of rectangular cross-section |
| | | <i>Numerical and Problems</i> |
| | | Sunday |
| 4 | Chapter-I Moment of inertia | Fly wheel, Moment of inertia of an irregular body |
| | | Acceleration of a body rolling down on an inclined plane |
| | | Test I |