

## CLASS XI

1: Make a project on any one from the following

- a) Newton's law of motion
- b) Conservation of energy
- c) Kepler's law of planetary motion

2: write short notes on

- a) Vector analysis
- b) Projectile motion
- c) Dynamics of uniform circular motion
- d) Conservation of energy under the gravity

3: Explain elastic collision, coeff of restitution, velocity and momentum during elastic collisions.

4: Explain surface tension, surface energy.

5: write 1<sup>st</sup> law of thermodynamics and using it explain isothermal and adiabatic process.