

SYLLABUS CLASS XI (SCIENCE) FOR PHYSICS

2018 -2019

FIRST TERM

April

- Dimension
- Kinematics
- Vectors

May

- Laws of motion
 - Newton' Laws Of Motion
 - Friction

June

- Uniform Circular Motion
- Work Power and Energy

July

- Work Power and Energy (continued)
- Properties Of Bulk Matter
 - Elasticity
 - Viscosity
 - Surface Tension
- Kinetic Theory Of Gases

August

- Oscillations and Waves
 - Simple Harmonic Motion
 - Free and Forced Vibration
- Heat and Thermodynamics
 - Calorimetry

September

- Thermodynamics
 - Isothermal and Adiabatic

SECOND TERM

October

- Thermodynamics (continued)

November

- Gravitation

December

- Motion of System of particles and Rigid Body
 - Centre of Mass
 - Rotational Motion of a Rigid Body

January

- Motion of System of particles and Rigid Body(continued)
- Oscillations and Waves
 - Wave Motion
 - Interference and Beats
 - Stationary Waves

February

- Oscillations and Waves
 - Vibrations of Stretched Strings
 - Doppler Effect
- Revision