

SYLLABUS 2019-2020

Class : 11
Subject : Physics
Book : Physics class 11
Publisher : Shri Balaji publication

Term 1

- Units
- Error Analysis
- Dimensional Analysis
- Motion in straight line
- Motion in a plane
- Newton's Laws of motion
- Friction

Term 2

- Uniform circular motion
- Work power & energy
- Centre of mass
- Rotational motion of rigid body
- Gravitation
- Elasticity
- Fluid pressure
- Flow of liquids
- Surface tension

Contact Us

Seth M.R. Jaipuria School, VineetKhand, Gomti Nagar, Lucknow – 226010, U.P., India
Phone: +91-522-2726502, 8009858887

Term 3

- Thermal expansion: Calorimetry
- Heat transfer
- Thermodynamics
- Isothermal & Adiabatic process
- Heat Engine: 2nd Law of thermodynamics
- Behavior of perfect gas & kinetic theory of gases
- Simple harmonic motion
- Free & damped oscillation

Term 4

- Super position of waves 1 & 2
- Waves
- Wave motion
- Vibrations in stretched string
- Doppler Effect.
- Revision

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