

Syllabus 2018-19

SUBJECT- Physics

Class- 11

Book Name (Nootan physics)

Period Order 1

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

Period Order 2

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

Period Order 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

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- Free & damped oscillation

Period Order 4

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

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