

SYLLABUS 2024-2025

Class : XI

Subject : PHYSICS

Book : NOOTAN ISC PHYSICS CLASS XI

Publisher : Nageen Prakashan

Term 1

- 1.Elementary Mathematics
- 2.Physical world
- 3.Units & Measurements: Error Analysis and Significant Figures
- 4.Dimensional Analysis.
- 5.Motion in straight line
- 6.Motion in a plane
- 7.Newton's Laws of motion
- 8.Friction
9. Uniform Circular Motion
10. Work, Energy & Power

Term2

- 11.Centre of mass
- 12.Rotational Motion of a Rigid body: Moment of Inertia
- 13.Gravitation : Planets & Satellites
- 14.Elasticity
- 15.Fluid pressure
- 16.Flow of liquids
- 17.Surface tension
- 18.Thermal properties of matter
- 19.Heat transfer

Term 3.

- 20.Thermodynamics
- 21.Isothermal & Adiabatic process
- 22.Heat Engine: 2nd Law of thermodynamics
- 23.Behavior of perfect gas & kinetic theory of gases

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- 24. Simple harmonic motion
- 25. Free & damped oscillation

Term 4

- 26. Superposition of waves 1 & 2
 - 27. Waves
 - 28. Wave motion
 - 29. Vibrations in stretched string
 - 30. Doppler Effect.
- Revision

Contact Us

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