

SYLLABUS 2026-2027

Class : XII

Subject : PHYSICS

Book : NOOTAN ISC PHYSICS XII

Publisher : NAGEEN PUBLICATION

Term 1

1. Electric charges & fields
2. Gauss' Theorem
3. Electric potential & potential energy
4. Capacitors & Dielectrics
5. Electric Resistances & Ohm's Law
6. DC Circuits & Measurement
7. Moving Charges & Magnetism
8. Torque on a Current Loop: Moving Coil Galvanometer
9. Magnetic Field & Earth's Magnetism
10. Magnetic Classification of Substances
11. Electromagnetic Induction

Term 2

12. Alternating Current
13. Electromagnetic Waves
14. Reflection of Light :Spherical Mirrors
15. Refraction of Light at Plane Interface: Total Internal Reflection: Optical Fibre

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- 16. Refraction of Light at Spherical Surfaces: Lenses
- 17. Refraction and Dispersion of Light through a Prism
- 18. Optical Instruments
- 19. Wave nature of Light:Huygens' Principle
- 20. Interference of Light
- 21. Diffraction of Light

Term 3

- 22. Photoelectric Effect
- 23. Matter Waves
- 24. Atom ,Origin of Spectra: Bohr's Theory of Hydrogen Atom
- 25. Nuclear Structure
- 26. Mass Energy Equivalence: Nuclear Binding Energy
- 27. Nuclear Fission and Nuclear Fusion : Sources of Energy
- 28. Semiconductor Electronics
- 29. Junction Diodes.

Term 4

Revision

Contact Us

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