

SYLLABUS 2025-2026

Class : XII

Subject : PHYSICS

Book : NOOTAN ISC PHYSICS XII

Publisher : NAGEEN PRAKASHAN

Term 1

1. Electric charges & fields
2. Gauss' theorem
3. Electric potential & potential energy
4. Capacitors & dielectrics
5. Electric resistance & 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. Spherical mirrors
15. Refraction of light at plane interface
16. Refraction of light at spherical surfaces: lenses
17. Refraction & dispersion of light through a prism
18. Optical instruments
19. Wave nature of light
20. Interference of light
21. Diffraction of light
22. Polarisation of light

Term 3

23. Photoelectric effect
24. Matter waves
25. X - Rays
26. Atom , origin of spectra: Bohr's theory of hydrogen atom

Contact Us

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- 27. Nuclear structure
- 28. Radioactivity
- 29. Mass energy equivalence: nuclear binding energy
- 30. Nuclear fission & fusion : source of energy
- 31. Semiconductor electronic
- 32. Junction diodes.
- 33. Junction transistors
- 34. Logic Gates
- 35. Communication systems

Term 4

Revision

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