

SYLLABUS 2021-2022

Class : 12
Subject : Physics
Book : Nootan ISC Physics
Publisher : Nageen publication

Term 1

1. Spherical mirrors
2. Refraction of light at plane interface
3. Refraction of light at spherical surfaces: lenses
4. Refraction & dispersion of light through a prism
5. Optical instruments
6. Wave nature of light
7. Interference of light
8. Diffraction of light
9. Polarization of light
10. Electric charges & fields
11. Gauss' theorem
12. Electric potential & potential energy

Term 2

13. Capacitors & dielectrics
14. Electric resistance & Ohm's law
15. DC Circuits & Measurements
16. Moving Charges & magnetism
17. Torque on a current loop: Moving Coil Galvanometer
18. Magnetic Field & Earth's Magnetism

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- 19. Magnetic classification of substances
- 20. Electromagnetic induction
- 21. Alternating Current
- 22. Electromagnetic Waves

Term 3

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

Term 4

Revision

Contact Us

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