

Class 12 Physics Deleted Syllabus

Term- 1

Chapter–1: Electric Charges and Fields

uniformly charged thin spherical shell (field inside and outside).

Chapter–2: Electrostatic Potential and Capacitance

No Deletion

Chapter–3: Current Electricity

Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors

Chapter–4: Moving Charges and Magnetism

Cyclotron.

Chapter–5: Magnetism and Matter

magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field.

Para-, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets.

Chapter–6: Electromagnetic Induction

No Deletion

Chapter–7: Alternating Current

power factor, wattless current.

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Term- 2

Chapter–8: Electromagnetic Waves

Basic idea of displacement current

Chapter–9: Ray Optics and Optical Instruments

Ray Optics: Reflection of light, spherical mirrors, mirror formula

Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset.

Chapter–10: Wave Optics

resolving power of microscope and astronomical telescope, polarisation, plane polarised light, Brewster's law, uses of plane polarised light and Polaroids.

Chapter–11: Dual Nature of Radiation and Matter

Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained).

Chapter–12: Atoms

No Deletion

Chapter–13: Nuclei

Radioactivity, alpha, beta and gamma particles/rays and their properties; radioactive decay law, half life and mean life.

binding energy per nucleon and its variation with mass number.

Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits

Zener diode and their characteristics, zener diode as a voltage regulator.