

Cbse calss 12 blueprint (2026-2027)

Expected Question-Paper Blueprint — Physics Class 12

<u>Section</u>	<u>Question type</u>	<u>Questions</u>	<u>Marks</u>
A	MCQ / Assertion-Reason	16×1	16
B	Very Short Answer	5×2	10
C	Short Answer	7×3	21
D	Case/Source Based	2×4	8
E	Long Answer	3×5	15
Total		33 Questions	70

Unit-wise Expected Weightage

Unit	Marks	Questions
Electrostatics + Current Electricity	16	7–8
Magnetism + Moving Charges	17	7–9
EMI + AC + EM Waves	18	8–9
Optics	12	5–6
Dual Nature + Atoms + Nuclei	12	5–6
Semiconductor Electronics	7	3–4
Total	70	33

★ Areas to cover in all the units

Electrostatics -

Gauss's Law

Electric potential & capacitance

Capacitors and combinations

Electrostatic numericals

Current Electricity

Kirchhoff's laws

Wheatstone bridge

Drift velocity

Cells and internal resistance

Magnetic effect of current and magnetism-

Biot–Savart Law

Ampere's Law

Moving charge in magnetic field

Force between parallel conductors

Moving coil galvanometer

EMI & AC-

Faraday's Law

Lenz's Law

Self/mutual inductance

AC circuit

Transformer

Resonance

Optics-

Ray optics

Lens formula & lens maker's formula

Optical instruments

Young's double-slit experiment

Diffraction

Modern Physics

Photoelectric effect

de Broglie wavelength

Bohr model

Nuclear binding energy

Radioactive decay

Semiconductor

p-n junction

Diode characteristics

Rectifier

Logic gates