



DAY 4 — STUDY PLAN

1 PHYSICS (40 min)

Chapter: Electrostatics → Electric Field & Electric Field Lines

Topics for Today

- Electric field due to a point charge
- Electric field due to multiple charges (superposition)
- Electric field lines (properties)
- Field line patterns (positive, negative, dipole)

Board + JEE Focus

- Board: definitions, diagrams
 - JEE: vector addition of electric fields
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2 CHEMISTRY (40 min)

Chapter: Solid State → Unit Cell Details

Topics for Today

- Types of unit cells:
 - ✓ Simple cubic (SC)
 - ✓ Body-centered cubic (BCC)
 - ✓ Face-centered cubic (FCC)
- Coordination number
- Packing efficiency basics (just concept today)
- Effective number of atoms (concept only today)

Board Focus: SC/BCC/FCC tables

JEE Focus: Coordination number logic

3 MATHS (40 min)

Chapter: Relations & Functions — Part 3

Topics for Today

- Types of relations (full):
 - ✓ Reflexive
 - ✓ Symmetric
 - ✓ Transitive
 - ✓ Anti-symmetric
 - Equivalence relation
 - Practice NCERT Ex 1.2 (remaining) + start Ex 1.3
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4 DAILY REVISION (30 min)

Today revise:

🔄 10-minute revision (yesterday topics)

- Physics: electric field basics
- Chemistry: primitive & centred unit cells
- Maths: reflexive/symmetric/transitive basics

🔄 24-hour revision (Day 2 topics)

- Electric charge properties
 - Types of solids
 - Domain–range basics
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5 DAILY TEST (30 min)

Like every day:

👉 I will give 10 mixed MCQs tonight when you say:

"Day 4 completed, give questions review."

These will cover:

- ✓ Today's topics

- ✓ Day 1, 2, 3 topics (spaced repetition)
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NOTEBOOK UPDATES (automatic later)

When you say "Give Day 4 notebooks", I will provide:

- ✓ Physics – 10 concepts
 - ✓ Chemistry – Solid state notes update
 - ✓ Maths – formulas + key points
 - ✓ General Concepts – across subjects
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If you're ready, follow your routine:

In morning → "Start Day 4 Plan" (done)

At night → "Day 4 completed, give questions review."

All set. You may proceed with studies now 💪 ✨