



## DAY 4 — STUDY PLAN

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### 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

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### 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 💪 ✨