Here is your **DAY 2 full plan**, perfectly aligned with:

✓ Class 12 priority (Boards + JEE)
✓ Your revised 6-month structure
✓ Daily study + revision + shortcuts + notebook updates
✓ Weak-memory optimized revision

Let's begin Day 2 🚀

🌅 DAY 2 — STUDY PLAN (Class 12 Priority)

1️⃣ PHYSICS (40 min)

Chapter: Electrostatics — Electric Field & Field Lines

📚 Topics to Study Today

- Electric field due to a point charge
- Electric field due to multiple charges (superposition)
- Electric field lines (properties)
- Electric dipole (basic idea, NOT potential)
- Electric dipole moment

⚡ Coaching-Level Tips & Tricks

- **Remember:** If field is zero → the *vector sum* of fields = 0, not charges.
- Field lines never intersect → if they do, direction becomes ambiguous.
- Closer field lines = stronger field.
- For a dipole →
  $p = q \cdot 2a$
  and direction is from **– to +**.

🔚 Day-2 Physics Revision

- Revise Day 1 topics for 10 minutes:
  Charge, Coulomb's law, Superposition, Electric field definition

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2️⃣ CHEMISTRY (40 min)

Chapter: Solid State — Unit Cell Details

📚 Topics to Study Today

- Types of unit cells:
    - Primitive
    - Body-centered
    - Face-centered
- Number of atoms per unit cell
    - SC → 1
    - BCC → 2
    - FCC → 4
- Coordination number basics
- Packing efficiency concept (just concept today)

🧪 **Coaching-Level Tips & Tricks**

- Corner atom contributes **1/8** to each unit cell.
- Face-centered atom contributes **1/2**.
- Body-centered atom contributes **1**.
- Coordination number for:
    - SC → 6
    - BCC → 8
    - FCC → 12
- Packing order:
  SC < BCC < FCC

🔚 **Day-2 Chemistry Revision**

- Quick revise Day 1: Types of solids, lattices, unit cell basics.

3️⃣ **MATHS (40 min)**

Chapter: Relations & Functions — Part 2

📚 **Topics to Study Today**

- Reflexive, Symmetric, Transitive (full understanding)
- Equivalence relation
- Functions: definition
- Domain, co-domain & range (full understanding)

- NCERT Examples 1.3 & Exercise 1.3 basic ones

📐 **Coaching-Level Tips & Tricks**

- Reflexive → diagonal elements must be present.
- Symmetric → if (a,b) is there, (b,a) must be present.
- Transitive → chain rule: (a,b) & (b,c) → (a,c).
- A relation is **equivalence** if it's:
  ✓ Reflexive
  ✓ Symmetric
  ✓ Transitive
- For functions → each input has **only one output**.

🔚 **Day-2 Maths Revision**

- Quick revise: relations, domain, range, types of relations.

📘 4️⃣ **DAILY WRITTEN REVISION (NOTEBOOK UPDATES)**

These will be updated tonight when you say:
👉 **"Day 2 completed, give question review."**

Today I will add:

✓ 10 new maths formulas
✓ 10 new physics formulas
✓ Solid state key formulas
✓ Organic notebook still empty (starts Month 2)

🧠 5️⃣ **DAILY 24-HOUR REVISION**

(Automatically included)

You revise:

✓ Day 1 Physics
✓ Day 1 Chemistry
✓ Day 1 Maths

(Only key ideas — 10 minutes each)

📝 6️⃣ **DAILY TEST (10–15 MCQs)**

This will be given tonight when you mark completion.

🔥 **YOU ARE ON TRACK**

This is exactly aligned with Class 12 board + JEE preparation.

When you finish today, say:
👉 **“Day 2 completed, give question review.”**