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## JEE DETAILED STUDY PLANNER WITH STRATEGY & PERSONAL TIPS

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### ABOUT ME (YOUR MENTOR)

**Name:** Sumit Kumar Chaudhary

**JEE Main Percentile:** 97.45

**JEE Advanced AIR:** 12497

**Attempts Made for JEE Advanced:** 2

**Current Institute:** B.Tech, Electrical Engineering, IIT Bhubaneswar

**Special Focus:** Daily consistency, structured revision, and strong planning mindset

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### RECOMMENDED BOOKS FOR JEE PREPARATION

Subject	Book/Resource	Purpose
Physics	H.C. Verma (Vol 1 & 2)	Concept clarity and problem foundation
	D.C. Pandey Series (Arihant)	Topic-wise question practice
	Previous Year Questions (PYQs)	Understanding exam pattern
Chemistry	NCERT (All volumes)	Core for Inorganic & Organic
	M.S. Chouhan (Organic)	Practice reaction-based questions

	N. Awasthi (Physical Chemistry)	Numerical problem-solving
Mathematics	Cengage Series / Arihant	Problem-solving skill development
	R.D. Sharma (Class 11 & 12)	Basic theory + concept building
	PYQs	Identify trends & important chapters

### MONTHLY JEE PLAN WITH WEIGHTAGE (%)

#### MONTHS 1-2: FOUNDATION BUILDING

Subject	Topics Covered	Approx. Weightage
Physics	Units & Measurements, Kinematics, Laws of Motion	5-7%
Chemistry	Some	6-7%

	Basic Concepts, Atomic Structure, Periodic Table	
Math	Sets, Relations, Trigonometry	—

**Tips:** Build foundation, start short notes, develop a to-do list habit early.

 MONTHS 3–4: **CONCEPT STRENGTHENING**

Subject	Topics Covered	Approx. Weightage
Physics	Work, Energy, Power, Circular Motion	6–8%
Chemistry	Chemical Bonding, States of Matter, Thermodynamics	7–9%
Math	Quadratics, Complex Numbers	9–10%

	Numbers, Sequences & Series	
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**Tips:** Focus on accuracy, introduce weekly tests, use formula sheets, deepen concepts. —

 MONTHS 5–6: **NUMERICAL POWER-UP**

Subject	Topics Covered	Approx. Weightage
Physics	SHM, System of Particles, Waves	7–8%
Chemistry	Equilibrium , Redox Reactions, Chemical Kinetics	7–9%
Math	Straight Lines, 3D Geometry, Permutatio ns & Combinati ons	10–12%

**Tips:** Start PYQs, focus on weak areas, revise frequently, approach problems visually. —

 MONTHS 7–8: **CORE CONCEPT REFINEMENT**

Subject	Topics Covered	Approx. Weightage

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Physics	Electrostatics, Current Electricity	6–8%
Chemistry	Solid State, Solutions, Electrochemistry	7–8%
Math	Matrices, Determinants, Continuity & Differentiability	8–10%

**Tips:** Continue mock testing, build visual notes, maintain a concept notebook.

 MONTHS 9–10: **ADVANCED APPLICATIONS**

Subject	Topics Covered	Approx. Weightage
Physics	Magnetism, EMI, Alternating Current	7–8%
Chemistry	Surface Chemistry, Coordination	5–6%

	Compound s	
Math	AOD, Integrals, Differential Equations	10–12%

**Tips:** Solve full-length mocks, prioritize analysis, improve accuracy. \_\_\_\_\_

 MONTHS 11–12: **FINAL PHASE & FULL REVISIONS**

Subject	Topics Covered	Approx. Weightage
Physics	Optics, Modern Physics	7–9%
Chemistry	Full Organic, Biomolecules, Polymers	10–12%
Math	Probability, Vectors, Full Syllabus Revision	7–9%

**Tips:** Focus on test-taking, master conversions, consolidate learning. \_\_\_\_\_

 **COMMON CHALLENGES IN IMPORTANT CHAPTERS & HOW TO OVERCOME**

 **PHYSICS**

**Units & Measurements:** Students overlook significance.

*Solution:* Practice dimensional analysis & approximations.

**Kinematics/Laws of Motion:** Trouble with vectors & Newton's Laws.

*Solution:* Use FBDs, break motion into components.

**Work, Power, Energy:** Confused with energy types.

*Solution:* Use energy bar diagrams and visual tricks.

**Circular Motion:** Centripetal force & pseudo-forces seem abstract.

*Solution:* Real-life analogies and hands-on numericals.

**SHM & Waves:** Confusion in phase & derivations.

*Solution:* Visual aids, pendulum examples, animation.

**Electrostatics/Magnetism:** Field direction & sign confusion.

*Solution:* Practice grid-based problems and diagrams.

**Optics:** Ray diagram difficulty.

*Solution:* Practice sign conventions, derivations, mirror-lens formula.

## CHEMISTRY

**Mole Concept:** Unit conversion & limiting reagent issues.

*Solution:* Practice stoichiometry-based PYQs.

**Thermo & Kinetics:** Derivations and log-based formulae confuse.

*Solution:* Use solved examples, break derivations into logic steps.

**Organic Chemistry:** Mechanism memory overload.

*Solution:* Group similar reactions, create conversion maps.

## MOCK TEST STRATEGY

Benefit	Purpose
Simulate Exam Conditions	Time pressure, discipline, real-exam stamina
Analyze Performance	Identify weak areas & recurring mistakes
Improve Time Management	Learn pacing & prioritizing

nt	questions
Build Confidenc e	Score tracking boosts morale
Revision Tool	Repeated exposure to patterns, question phrasing, silly mistakes
Feedback Loop	Use analytics (if online) to refine strategy

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 **DAILY TIMETABLE (COACHING + SELF-STUDY)**

<b>Time Slot</b>	<b>Activity</b>
7:00 AM – 8:00 AM	Revise previous day's class topics
8:00 AM – 1:00 PM	Coaching Classes
1:00 PM – 3:00 PM	Lunch + Rest

3:00 PM – 5:00 PM	Self-study (Focus on weak areas)
5:00 PM – 6:00 PM	Break/Refr esh
6:00 PM – 9:00 PM	PYQs & Practice Sheets
9:00 PM – 10:00 PM	Dinner + Relaxation
10:00 PM – 12:00 AM	Concept Review + Notes

For **Self-Study Students**:

Follow similar hours; extend learning time with extra practice and coaching videos.

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 **FINAL ADVICE**

Stay consistent, avoid burnout.

Focus on NCERT + PYQs + mocks.

Don't chase too many books—stick to what's proven.

Weekly reflection and monthly goal-checking is crucial.

Keep a positive mindset—clarity comes from effort, not magic.

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