

30-Day JEE Advanced 2025 Complete Study Plan

Your Day-by-Day Roadmap to Success | Strategic Preparation Guide

WEEK 1 (Days 1-7): FOUNDATION STRENGTHENING

Weekly Goals:

- Core concepts revision across Physics, Chemistry, Mathematics
- Identify major knowledge gaps through baseline assessment
- Establish study routine and create comprehensive error logs
- Target: 8-10 hours daily study with structured time blocks

Day	Time Slot	Subject	Topics & Activities
DAY 1	6:00-10:00 AM	Physics	Mechanics Revision: • Kinematics: Motion in 1D, 2D with graphs • Laws of Motion: Newton's laws, friction, circular motion • Solve 15-20 moderate difficulty problems • Focus on concept clarity and derivations
	2:00-5:00 PM	Chemistry	Organic Chemistry: • General Organic Chemistry: Inductive, Resonance, Hyperconjugation • Hydrocarbons: Alkanes, Alkenes, Alkynes reactions • Practice mechanism problems • Create quick reference cards for reactions
	7:00-9:30 PM	Mathematics	Calculus Basics: • Functions: Domain, Range, Composite functions • Limits and Continuity: Standard limits, L'Hospital's rule • Solve previous year questions (2019-2023) • Practice mental calculations
	9:30-10:00 PM	Review	• Day's concept summary in notebook • Formula revision and error log setup • Plan next day's targets
DAY 2	6:00-10:00 AM	Physics	Work, Energy & Power: • Work-Energy theorem, Conservation laws • Potential Energy: Gravitational, Elastic • Power and its applications • Solve JEE Advanced level numericals (15-20 problems)
	2:00-5:00 PM	Chemistry	Inorganic Chemistry: • Periodic Table: Trends, Anomalous behavior • Chemical Bonding: VSEPR, MOT, Hybridization • s-Block elements: Properties and reactions • Create comparison charts for trends
	7:00-9:30 PM	Mathematics	Differentiation: • Rules of differentiation, Chain rule • Applications: Tangent, Normal, Rate of change • Maxima-Minima problems • Practice speed solving techniques
	9:30-10:00 PM	Review	• Error analysis from yesterday's problems • Quick formula practice (15 minutes) • Stress management techniques
DAY 3	6:00-10:00 AM	Physics	Rotational Mechanics: • Moment of Inertia, Torque, Angular momentum • Rolling motion, Conservation of angular momentum • Combined translational and rotational motion • Focus on problem-solving strategies
	2:00-5:00 PM	Chemistry	Physical Chemistry: • Thermodynamics: First and Second Law • Enthalpy, Entropy, Gibbs Free Energy • Chemical Equilibrium: Le Chatelier's principle • Numerical problem practice (20+ problems)
	7:00-9:30 PM	Mathematics	Integration: • Indefinite Integration: Standard forms • Integration by parts, substitution • Definite Integration: Properties and applications • Area under curves problems

	9:30-10:00 PM	Review	• Consolidate integration formulas • Practice mental math for 15 minutes • Prepare for mock test tomorrow
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DAY 4: BASELINE MOCK TEST

Morning (9:00 AM - 12:00 PM): Full JEE Advanced Mock Test

Afternoon (2:00 PM - 5:00 PM): Detailed Analysis & Error Identification

Evening (7:00 PM - 9:00 PM): Weak area identification & strategy revision

DAY 5	6:00-10:00 AM	Physics	Gravitation & SHM: • Universal law of gravitation, Kepler's laws • Simple Harmonic Motion: Equations, Energy • Pendulum, Springs, Wave motion basics • Focus on previous year question patterns
	2:00-5:00 PM	Chemistry	Organic Chemistry Continued: • Haloalkanes and Haloarenes • Alcohols, Phenols, and Ethers • Aldehydes and Ketones • Name reactions and their mechanisms
	7:00-9:30 PM	Mathematics	Coordinate Geometry: • Straight lines: Equation forms, angle between lines • Circles: Standard equations, tangent-normal • Parabola basics and applications • Solve mixed problems combining concepts
	9:30-10:00 PM	Review	• Mock test error analysis continuation • Weak topic identification • Adjustment in study plan if needed
DAY 6	6:00-10:00 AM	Physics	Electrostatics: • Coulomb's law, Electric field and potential • Gauss's law applications • Capacitors: Parallel, series combinations • Energy stored in capacitors
	2:00-5:00 PM	Chemistry	p-Block Elements: • Group 15, 16, 17, 18 elements • Compounds and their properties • Industrial processes and applications • Environmental chemistry basics
	7:00-9:30 PM	Mathematics	Sequences & Series: • Arithmetic and Geometric progressions • Harmonic progressions • Sum of series, Infinite GP • Applications in practical problems
	9:30-10:00 PM	Review	• Complete weekly review • Error log maintenance • Prepare for Week 2 strategy

DAY 7: PARTIAL REST & CONSOLIDATION

Morning (8:00 AM - 11:00 AM): Light revision of week's topics

Afternoon: Rest, physical activity, entertainment

Evening (6:00 PM - 8:00 PM): Plan Week 2, organize study materials

WEEK 2 (Days 8-14): PATTERN RECOGNITION & SPEED BUILDING

Weekly Goals:

- Focus on previous year questions and pattern analysis
- Develop subject-wise time allocation strategies
- Increase problem-solving speed and accuracy
- Target: 8-10 hours daily with 2 full-length mock tests

Day	Time Slot	Subject	Topics & Activities
DAY 8	6:00-10:00 AM	Physics	Current Electricity: • Ohm's law, Resistance combinations • Kirchhoff's laws, Network theorems • RC circuits, Time constants • <i>Time yourself: Complete each problem in 3-4 minutes</i>
	2:00-5:00 PM	Chemistry	Chemical Kinetics: • Rate of reaction, Rate laws • Integrated rate equations • Arrhenius equation, Activation energy • <i>Focus on numerical problems and graphs</i>
	7:00-9:30 PM	Mathematics	Complex Numbers: • Algebra of complex numbers • Argand diagram, Modulus and argument • De Moivre's theorem, Roots of unity • <i>Practice mental calculations for basic operations</i>
	9:30-10:00 PM	Analysis	• Time tracking for each subject • Speed improvement strategies • Error pattern identification
DAY 9	6:00-10:00 AM	Physics	Magnetic Effects: • Biot-Savart law, Ampere's law • Magnetic field due to current loops • Force on current-carrying conductors • <i>Previous year questions (2018-2023): 25 problems</i>
	2:00-5:00 PM	Chemistry	Electrochemistry: • Galvanic and Electrolytic cells • Nernst equation, EMF calculations • Faraday's laws, Applications • <i>High-yield numerical problems practice</i>
	7:00-9:30 PM	Mathematics	Quadratic Equations: • Nature of roots, Relations between roots • Formation of equations • Applications in other topics • <i>Speed solving techniques and shortcuts</i>
	9:30-10:00 PM	Analysis	• Problem-solving time analysis • Strategy adjustment based on performance • Mock test preparation

DAY 10: MOCK TEST 2

Morning (9:00 AM - 12:00 PM): Full JEE Advanced Mock Test

Afternoon (2:00 PM - 5:00 PM): Detailed Analysis & Time Management Review

Evening (7:00 PM - 9:00 PM): Subject-wise performance analysis

DAY 11	6:00-10:00 AM	Physics	Electromagnetic Induction: • Faraday's law, Lenz's law • Motional EMF, Self and mutual inductance • AC circuits: LCR combinations • <i>Focus on graph-based problems</i>
	2:00-5:00 PM	Chemistry	Coordination Compounds: • Nomenclature, Isomerism • Crystal field theory, Magnetic properties

			• Stability constants • <i>Structure prediction and color explanation</i>
	7:00-9:30 PM	Mathematics	Probability: • Basic concepts, Conditional probability • Bayes' theorem, Random variables • Binomial and Poisson distributions • <i>Word problem solving strategies</i>
	9:30-10:00 PM	Analysis	• Mock test error analysis • Weak area identification • Strategy fine-tuning
DAY 12	6:00-10:00 AM	Physics	Optics: • Reflection, Refraction laws • Lens and mirror formulas • Wave optics: Interference, Diffraction • <i>Ray diagram problems and calculations</i>
	2:00-5:00 PM	Chemistry	Biomolecules: • Carbohydrates, Proteins, Lipids • Nucleic acids, Enzymes • Vitamins and Hormones • <i>Structure-function relationships</i>
	7:00-9:30 PM	Mathematics	Matrices & Determinants: • Matrix operations, Inverse • Properties of determinants • System of linear equations • <i>Computational shortcuts and tricks</i>
	9:30-10:00 PM	Analysis	• Time management practice • Speed improvement tracking • Concept consolidation

DAY 13: MOCK TEST 3

Morning (9:00 AM - 12:00 PM): Full JEE Advanced Mock Test

Afternoon (2:00 PM - 5:00 PM): Comprehensive Analysis & Pattern Recognition

Evening (7:00 PM - 9:00 PM): Week 2 performance review

DAY 14: CONSOLIDATION & PLANNING

Morning (8:00 AM - 11:00 AM): Review all mock test performances

Afternoon: Light study, entertainment, physical activity

Evening (6:00 PM - 8:00 PM): Plan Week 3 intensive strategy

DAILY PROGRESS TRACKING SHEET

Day	Physics Topics Completed	Chemistry Topics Completed	Math Topics Completed	Study Hours	Mock Score	Key Learnings
Day 1				/10	-	
Day 2				/10	-	
Day 3				/10	-	
Day 4	MOCK TEST DAY			/8	/372	
Day 5				/10	-	
Day 6				/10	-	
Day 7	REST & CONSOLIDATION			/6	-	
Day 8				/10	-	
Day 9				/10	-	
Day 10	MOCK TEST DAY			/8	/372	
Day 11				/10	-	
Day 12				/10	-	
Day 13	MOCK TEST DAY			/8	/372	
Day 14	PLANNING & REVIEW			/6	-	

ERROR LOG TEMPLATE:

Date: _____ | Subject: _____ | Topic: _____

Problem: _____

My Answer: _____ | Correct Answer: _____

Error Type:
☐ Conceptual
☐ Calculation
☐ Silly
☐ Time Management

Reason: _____
Revision Date: _____

TIME MANAGEMENT TRACKER:
Physics Problems: Target 3-4 min/problem | Actual: _____ min
Chemistry Problems: Target 2-3 min/problem | Actual: _____ min
Math Problems