

JEE Advanced 2019- Last Month Study Planner

Days	Subjects	Topics
Day 1	Physics	General Physics
	Chemistry	Concept of atoms and molecules, Mole concept; Chemical formulae; Balanced chemical equations
	Mathematics	Algebra of complex numbers
Day 2	Physics	Kinematics
	Chemistry	Gaseous and liquid states
	Mathematics	Quadratic equations
Day 3	Physics	Newton's laws of motion
	Chemistry	Atomic structure and chemical bonding
	Mathematics	Arithmetic, geometric and harmonic progressions
Day 4	Physics	Systems of particles; Centre of mass and its motion; Impulse; Elastic and inelastic collisions
	Chemistry	Energetics

	Mathematics	Logarithms and their properties
Day 5	Physics	Law of gravitation
	Chemistry	Chemical equilibrium
	Mathematics	Permutations and combinations, Probability
Day 6	Physics	Linear and angular simple harmonic motions
	Chemistry	Electrochemistry
	Mathematics	Matrix
Day 7	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test
Day 8	Physics	Rigid body, moment of inertia, Conservation of angular momentum
	Chemistry	Chemical kinetics
	Mathematics	Trigonometric functions, their periodicity and graphs

Day 9	Physics	Linear and angular simple harmonic motions, Hooke's law, Young's modulus
	Chemistry	Solid state
	Mathematics	Relations between sides and angles of a triangle, inverse trigonometric functions
Day 10	Physics	Pressure in a fluid; Pascal's law, Bernoulli's theorem and its applications
	Chemistry	Solutions, Surface chemistry
	Mathematics	Two dimensions geometry
Day 11	Physics	Wave motion; Doppler effect
	Chemistry	Nuclear chemistry
	12Mathematics	Equation of a straight line in various forms, concurrency of lines; Centroid, Orthocentre, incentre and Circumcentre of a Triangle
Day 12	Physics	Rectilinear propagation of light, Total internal reflection; Deviation and dispersion of light
	Chemistry	Isolation/preparation and properties of the following non-metals

	Mathematics	Equation of a circle, parabola, ellipse and hyperbola, Locus problems
Day 13	Physics	Wave nature of light
	Chemistry	Preparation and properties of compounds
	Mathematics	Three Dimensions Geometry
Day 14	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test
Day 15	Physics	Thermal expansion of solids, liquids and gases; Calorimetry, latent heat; Heat conduction in one dimension
	Chemistry	Transition elements (3d series)
	Mathematics	Differential Calculus: polynomial, rational, trigonometric, exponential and logarithmic functions
Day 16	Physics	Newton's law of cooling; Ideal gas laws; Specific heats
	Chemistry	Ores and minerals

	Mathematics	Limit and continuity of a function, Even and odd functions, inverse of a function
Day 17	Physics	Equivalence of heat and work; Blackbody radiation
	Chemistry	Extractive metallurgy
	Mathematics	Derivative of a function, derivative of the sum, difference, product and quotient of two functions
Day 18	Physics	Coulomb's law, Capacitance, Electric current
	Chemistry	Principles of qualitative analysis
	Mathematics	Derivatives of implicit functions, derivatives up to order two
Day 19	Physics	Biot-Savart law and Ampere's law; Magnetic field
	Chemistry	Concepts of Organic Chemistry
	Mathematics	definite integrals and their properties, fundamental theorem of integral calculus
Day 20	Physics	Magnetic moment of a current loop; Effect of a uniform magnetic field on a current loop
	Chemistry	Preparation, properties and reactions of alkanes

	Mathematics	Integration by parts, integration by the methods of substitution and partial fractions
Day 21	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test
Day 22	Physics	Electromagnetic induction, Magnetism
	Chemistry	Preparation, properties and reactions of alkenes and alkynes
	Mathematics	Formation of ordinary differential equations
Day 23	Physics	Modern Physics
	Chemistry	Phenols
	Mathematics	Addition of vectors, scalar multiplication, dot and cross products, scalar triple products and their geometrical interpretations
Day 24	Physics	Revision
	Chemistry	Carbohydrates, Amino acids and peptides

	Mathematics	Revision
Day 25	Physics	Revision
	Chemistry	Properties and uses of some important polymers, Practical organic chemistry
	Mathematics	Revision
Day 26	Physics	Revision
	Chemistry	Revision
	Mathematics	Revision
Day 27	Physics	Revision
	Chemistry	Revision
	Mathematics	Revision
Day 28	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test

Day 29	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test
Day 30	Physics	Mock Test
	Chemistry	Mock Test
	Mathematics	Mock Test