

# CAREER ACADEMY NAHAN (H.P)

## SYLLABUS FOR JEE MAINS MOCK TEST

S.NO	DATE	PHYSICS	CHEMISTRY	MATHEMATICS
1	9/4/2022	Physical World , Units and Measurements, Motion in a plane , Laws of motion , Work Power and Energy, System of Particles and Rotational motion	Some Basic Concepts of chemistry , Structure of Atom, Classification of Elements and Periodicity in properties, Chemical Bonding and Molecular structure, States of Matter, Thermodynamics, Equilibrium, Redox Reaction	Complex numbers, Quadratic Equations, Sequences and series, Binomial theorem, St. line, Circle , Conic Section, PMI
2	11/4/2022	Full Length	Full Length	Full length
3	12/4/2022	Gravitation, Mechanical Properties of Solids, Mechanical properties of fluids, Thermal properties of Matter, Thermodynamics, Kinetic theory, Oscillations, Waves	The Solid state, Solutions, Electrochemistry, Chemical kinetics, Surface Chemistry, General Principles and processes of Isolation of Elements, The p-Block Elements(N,O, Halogen and Inert Gases, The d and f-Block Elements	Sets, Relations and functions, Limit, Continuity and Differentiability, Methods of Differentiation, Application of derivatives
4	14/4/2022	Electric Charge and fields , Electrostatics Potential and Capacitance, Current Electricity, Moving Charge and Magnetism, Magnetism and Matter, Electromagnetic Induction, Alternating current, Electromagnetic Waves	Hydrogen and Its Compound, The s-Block Elements, The p-Block Elements, Organic Chemistry-Some Basic Principles and Techniques, Hydrocarbons, Environmental chemistry	Integral calculus, Area under Curves Differential Equations, Mathematical Reasoning , Trigonometric equations & Identities, Trigonometric ratios, Properties of triangle, Height and Distance , Linear Programming
5	16/4/2022	Ray Optics and Optical Instruments, Wave Optics, Dual nature of Radiation and Matter, Atoms, Nuclei, Semiconductor Electronics: (Materials Devices and Simple Circuits) Communication Systems	Coordination compound , Haloalkanes and Haloarenes , Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic acid, Amines, Biomolecules, Polymer, chemistry in everyday life	Vectors, 3D, Matrices and Determinants, Probability, Permutations and Combinations, Statistics,
6	18/4/2022	Full Length	Full Length	Full length
7	20/4/2022	Full Length	Full Length	Full Length