

JEE-MAIN TEST SERIES SYLLABUS

PHYSICS

- 01- Physics and Measurement
- 02- Kinematics
- 03- Laws of Motion, Impulse And Momentum
- 04- Work, Energy and Power
- 05- Rotational Motion

- 06- Gravitation
- 07- Real Solids & Liquids, Surface Tension
- 08- Heat and Thermodynamics
- 09- Kinetic Theory of gases
- 10- Waves, Oscillations, Simple Harmonic Motion

- 11- Electrostatic
- 12- Current electricity
- 13- Magnetostatics (Magnetism & Magnetic Effects of Current)
- 14- Electromagnetic Induction, Alternating Currents
- 15- Electromagnetic Waves

- 16- Optics
- 17- Dual Nature of Matter and Radiation
- 18- Atoms and Nuclei, Modern Physics
- 19- Electronic Devices
- 20- Communication Systems, Experimental Skills

- 21- Full Syllabus Test-01
- 22- Full Syllabus Test-02
- 23- Full Syllabus Test-03
- 24- Full Syllabus Test-04
- 25- Full Syllabus Test-05
- 26- Full Syllabus Test-06
- 27- Full Syllabus Test-07
- 28- Full Syllabus Test-08
- 29- Full Syllabus Test-09
- 30- Full Syllabus Test-10

CHEMISTRY

- 01- Some Basic Concepts, States of matter (Gaseous, Liquid, Solid), Atomic Structure
- 02- Chemical Bonding and Molecular Structure
- 03- Energetics and Chemical Thermodynamics
- 04- Solutions
- 05- Chemical Equilibrium, Ionic Equilibrium

- 06- Redox Reactions, Electrochemistry
- 07- Chemical Kinetics
- 08- Surface Chemistry
- 09- Classification of elements, Periodicity in Properties, Basic Principles of Extractive Metallurgy
- 10- Hydrogen And Its Compounds

- 11- s-Block elements (Elements Of Group 1 and 2 and their compounds)
- 12- p-Block Elements (Elements Of Group 13, 14, 15, 16, 17, 18 and their compounds)
- 13- d And f Block Elements And Their Compounds
- 14- Co-ordination Compounds And Organometallics
- 15- Environmental Chemistry

- 16- Purification and Characterisation of Organic Compounds, General Organic Chemistry Principles, Hydrocarbons
- 17- Organic Compounds Containing Halogens, Alkyl And Arylhalides
- 18- Alcohols, Phenols and Ethers, Aldehydes and Ketones, Carboxylic Acids and their derivatives
- 19- Amines, Diazonium salts
- 20- Polymers, Biomolecules, Chemistry in every day life, Principles related to practical chemistry

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MATHEMATICS

- 01- Sets, Relations and Functions
- 02- Complex Numbers, Quadratic Equations
- 03- Matrices and Determinants
- 04- Permutations and Combinations
- 05- Mathematical Induction and Its Application

- 06- Binomial Theorem and Its Application
- 07- Sequence and Series
- 08- Limit, Continuity & Differentiability
- 09- Derivatives, Application of Derivatives
- 10- Integral Calculus (Definite, Indefinite, Area Under Simple Curves)

- 11- Differential Equations
- 12- Rectangular Co-ordinates - The Straight and Pair of Straight Lines
- 13- Circles and System of Circles
- 14- Conic Section - 1) Parabola 2) Hyperbola 3) Ellipse
- 15- Three Dimensional Geometry

- 16- Vectors
- 17- Statistics and Probability
- 18- Trigonometry
- 19- Inverse Trigonometric Functions, Heights and Distances
- 20- Mathematical Reasoning

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**Separate OMR Answer Sheet
for each test with DETAIL ANALYSIS REPORT**