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JEE Main 30 January Shift 1 Paper Analysis

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- Overall, the paper was of moderate difficulty.
- Mathematics and Physics were moderately difficult.
- Chemistry was easy and NCERT-based.

JEE Main 2024 January 30 Shift 1 Paper Analysis by FIITJEE

- Mathematics – This section was moderately difficult. question were asked from all chapters with emphasis on Chapters of Calculus & Algebra. More than one question was asked from Vectors, 3-D Geometry, Matrices, Limits and Differential Equations. In Calculus, question asked from Continuity & Differentiability, Indefinite Integrals, Area, and Differential Equations. In Algebra- Probability, Binomial Theorem, Complex Numbers, Statistics, Progressions, Quadratic Equations, Matrices & Determinants. In Coordinate Geometry question were asked from Circle and Ellipse. The Numerical Section had lengthy calculations from chapters of Calculus & Coordinate Geometry. A few question were reported as lengthy.
- Physics – This section was moderate. question asked from Kinematics, Laws of Motion, Work Power & Energy, Gravitation, Heat & Thermodynamics, Magnetism, Optics- 2 question, Capacitance, Current Electricity, Modern Physics, and Semiconductors. Both MCQs & Numerical-based question were Lengthy. A few fact-based question from class XII chapters of NCERT were also asked. Students felt more weightage given to XII Class chapters.
- Chemistry – This section was the easiest as compared to other sections. Organic & Physical Chemistry was given more weightage compared to Inorganic Chemistry. question asked from Ionic Equilibrium, Thermodynamics, Atomic Structure, Chemical Bonding had match list type question, Mole Concept, Chemical Kinetics, General Organic Chemistry- 2 question, IUPAC names, Alcohol, Ether & Phenol, Amines, Aryl & Alkyl halides, Coordination Compounds, d & f block elements, Periodic Table. Some question were directly asked from the NCERT textbook, which made this section easy.