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**JEE Main 30 January Shift 2 Paper Analysis**


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

## JEE Main 2024 January 30 Shift 2 Paper Analysis by FIITJEE

- Mathematics – This section was easy to moderately difficult. Weightage was given to chapters of Algebra. In Algebra, question asked from Matrices & Determinants. In Probability more than three question were asked. Complex Number, Progressions, Permutation & Combination, Binomial Theorem, Statistics, 3D Geometry & from Vector two question asked. In Calculus, question asked from Functions, Limits, Continuity, Differential Equations, Definite Integral. Co-ordinate Geometry had question from Parabola & Hyperbola. Few MCQs & numerical based question had lengthy calculations but Easy.
- Physics – This section was of moderate difficulty. question were asked from almost all the chapters. Weightage was given to Current Electricity & Magnetism. Some good question from chapters of Kinematics, Laws of Motion, Work Power & Energy, Heat & Thermodynamics, Sound & waves, Gravitation, Electrostatics, Modern Physics, Semiconductors were asked. Twpo question were asked from Optics. Numerical based question were Easy. Overall, Physics was balanced section.
- Chemistry - This section was easy. Inorganic & Organic Chemistry had more question as compared to Physical Chemistry. Questionwere asked from GOC, Alcohols, Ether & Phenols, Amines, Aldehydes & Ketones, Aryl & Alkyl Halides mixed concept question and of Biomolecules. Physical Chemistry had question from Mole Concept, Thermodynamics, Solutions & Chemical Equilibrium. Inorganic Chemistry had question from p-block elements, Coordination Compounds & Periodicity. Around three question were asked from Chemical Bonding. Some NCERT fact-based question were also asked.

## JEE Main 2024 January 30 Shift 2 Paper Analysis by Aakash

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- Mathematics - This section was of moderate to difficulty level. A good number of question were asked from Vectors, 3D and Conic sections, Complex numbers and Matrices and Determinants. 11th-class question were dominant in the paper. Almost all the topics were covered. The main thing is question were both lengthy and tricky which took a lot of time to solve.
  - Physics - This section was of easy to moderately difficult as some good question were there. question from Modern Physics, Mechanics, Electromagnetism and Current electricity were there in the paper. Most of the question were asked from the XII Class syllabus.
  - Chemistry - This section was moderately difficult. Very few question in this shift were asked from Physical chemistry. Most of the question were asked from the Organic Chemistry part. Two to three question were asked from p-block elements. question from prominent chapters like Hydrocarbons, Coordinate Bonding and Aldehyde, Ketone and Carboxylic acids were asked. Overall coverage of the chapters was uniform. Among XI and XII classes, more question are asked from the 12th class syllabus. The paper was by and large based on NCERT books.