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JEE Main 2024 April 5 Shift 1 & 2 Paper Analysis

JEE Main 2024 April 4 Shift 2 Paper Analysis by FIITJEE

- Mathematics – The section was moderately tough. Weightage was given to chapters of Algebra and Calculus. Questions from Circle, Parabola & Hyperbola with mixed concept questions in Coordinate Geometry. In Calculus, questions were asked from Limits, Application of Derivative, Definite Integral, Differential Equations, Area. In Algebra, questions asked from Complex Numbers, Progressions- 2 ques, Permutation & Combination, Binomial Theorem, Statistics, Matrices & Determinants, Probability & Vector & 3D Geometry-. Few MCQs & numerical based questions had lengthy calculations and were tricky.
- Physics – This section was easy. Questions were asked from almost all chapters. Some good questions from chapters on Kinematics, Laws of Motion, Work Power & Energy, Heat & Thermodynamics, Sound & waves, Rotational Motion, Optics, Current Electricity, Modern Physics, Atoms & Nuclei. Numerical-based questions were easy. The Physics section was balanced and easy.
- Chemistry – Easy to Moderate. Inorganic & Organic Chemistry had more weightage as compared to Physical Chemistry. Questions asked from GOC, Alcohols, Ether & Phenols, Amines, Aldehydes & Ketones, Biomolecules, Aryl & Alkyl Halides mixed concept questions, Physical Chemistry had questions from Atomic Structure, Thermodynamics, Electrochemistry & Chemical Equilibrium. Inorganic Chemistry had questions from d & f -block elements, Coordination Compounds & Chemical Bonding. Some NCERT fact-based questions were asked which made it easy for students.

JEE Main 2024 April 4 Shift 1 Paper Analysis by FIITJEE


- Mathematics – The section was moderate. Questions were asked from all chapters with emphasis on the chapters of Calculus & Algebra. More than one question was asked from Vectors, 3 D Geometry, Differential Equations & Conic Sections. In Calculus, questions were asked about Functions, Continuity & Differentiability, Definite Integral, Area, and Differential Equations. In Algebra- Probability, Binomial Theorem, Complex Numbers, Permutation & Combination, Statistics, Progressions, Matrices & Determinants. In Coordinate Geometry, questions are asked from Parabola, Ellipse & Hyperbola with mixed concepts. The Numerical Section had lengthy calculations. A few questions were reported as lengthy and tricky.

- Physics – Easy. Questions asked from Kinematics, Gravitation, Circular Motion, Heat & Thermodynamics, Magnetism-2 questions, Wave Optics, Current Electricity-2 questions, Electrostatics, Modern Physics, and Semiconductors. Both MCQs & Numerical-based questions were lengthy and easy. A few fact-based questions from class XII chapters of NCERT were also asked. Students felt the Physics section was balanced as per the coverage of chapters.
- Chemistry – Easy. Organic & Physical Chemistry was given more weightage compared to Inorganic Chemistry. Questions asked from Electrochemistry, Thermodynamics, Atomic Structure, Chemical Bonding- 2 questions, General Organic Chemistry-2 questions, Alcohol, Ether & Phenol, Amines, Aryl & Alkyl halides mixed concept type questions, Coordination Compounds, Stoichiometry, and Periodic Table. Some questions were directly asked from the NCERT Textbook, which made this section easy.

JEE Main 2024 April 4 Shift 1 Paper Analysis by Aakash Educational Services Limited (AESL)

Overall, NTA followed the same level of difficulty of JEE Main 2024 Session 2 as Session 1. The paper was of moderate level due to the lengthy questions in Maths. In this paper, Physics was on the easier side whereas Chemistry was on the easy to moderate side. Mathematics was moderate to difficult and lengthy with calculative questions.

- Chemistry - The paper was more or less balanced in terms of difficulty level as well as the number of questions from the three sections. Questions from prominent chapters like Chemical Kinetics, Alcohol, Phenol and Ethers, Electrochemistry, and Thermodynamics were asked. P-block chemistry was dominant in the paper. Overall, the coverage of the chapters was uniform. Among the 11th and 12th class topics, there were more questions from the 12th class syllabus. The paper was by and large based on NCERT books.
- Physics - This section was on the easier side and the questions from almost all the chapters were asked. Questions from Modern Physics, Mechanics, Electrostatics and Current electricity were there in the paper. The coverage of the questions was almost equal with more number of questions asked from the 12th class.
- Mathematics - The Mathematics paper was moderate to difficult level. A good number of questions were asked from Calculus. Integer-type questions were lengthy in the



paper. Almost all the topics were covered. Questions were both lengthy and calculative which took a lot of time to solve.