

JEE Main Sep 2020

5th Sep 2020, Shift 2

ANALYSIS of Memory-Based Questions

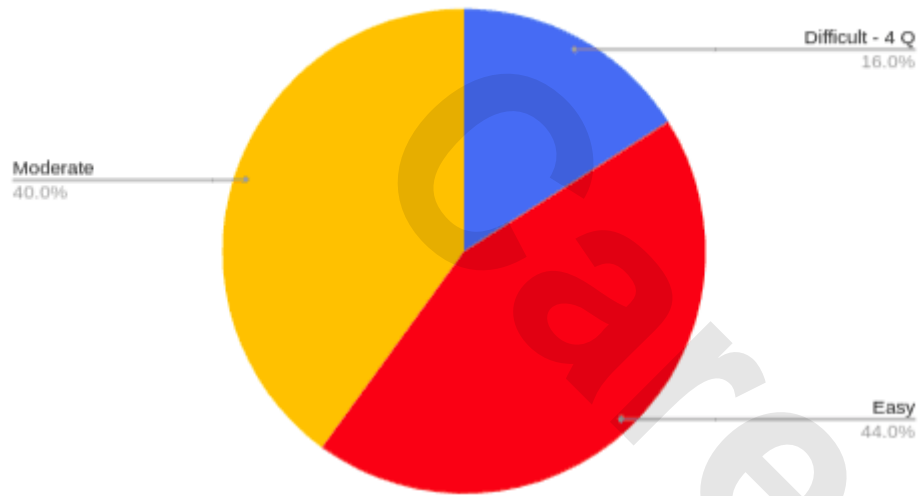
by Careers360

The JEE main 2020 September 5th second shift exam is concluded at 6 pm. The exam is for a duration of three hours. The JEE Main paper contains three subjects, maths, physics and chemistry. All the three subjects have equal weightage with 20 multiple choice questions and 5 numerical type questions from each. According to the students, the JEE Main 2020 Sep 5 shift 2 is of moderate level with physics as the most difficult part. The opinion of the students is that the Physics paper is a bit lengthy, maths is moderate to difficult and chemistry is easy. An overall analysis of the difficulty level, and chapter wise and topic wise distribution of memory questions of all the three subjects are given below.

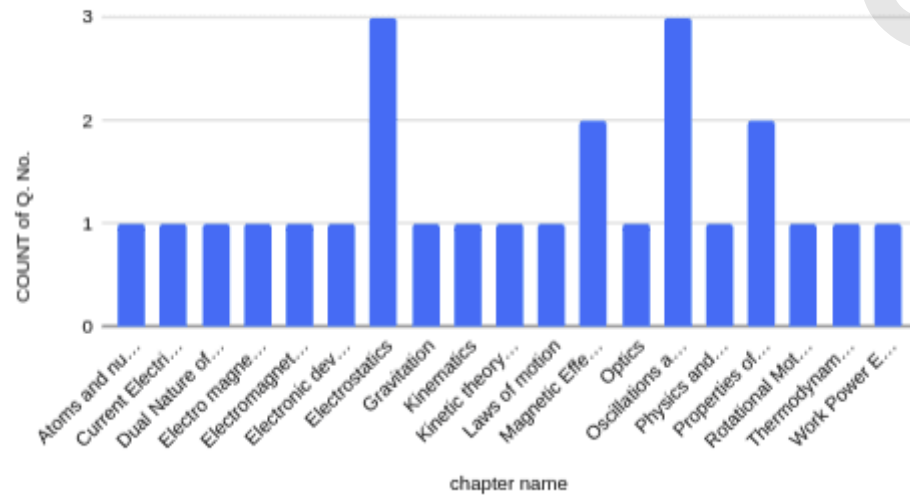
JEE Main September 5th 2020 Physics Paper Analysis:

The Physics paper was a bit time consuming and some of the questions were difficult. Many students find the Physics part a bit difficult compared to other subjects. The difficulty level analysis and topic wise distribution of physics questions are given below.

Distribution of Difficulty level - Physics - 25 Question



COUNT of Q. No. vs. chapter name



Q. No.	chapter name	concept name	Difficulty level

1	Kinematics	Kinematics graphs	Moderate
2	Oscillations and Waves	Intensity of sound waves	Difficult
3	Electronic devices	Zener Diode	Difficult
4	Properties of Solids and Liquids	Stokes law and Terminal Velocity	Moderate
5	Laws of motion	Rocket propulsion	Easy
6	Properties of Solids and Liquids	Effects if thermal expansion of solids	Moderate
7	Thermodynamics	Adiabatic process	Easy
8	Magnetic Effects of Current and Magnetism	Solenoid	Easy
9	Electrostatics	Relation between electric field and potential	Difficult
10	Current Electricity	Series grouping of resistance	Moderate

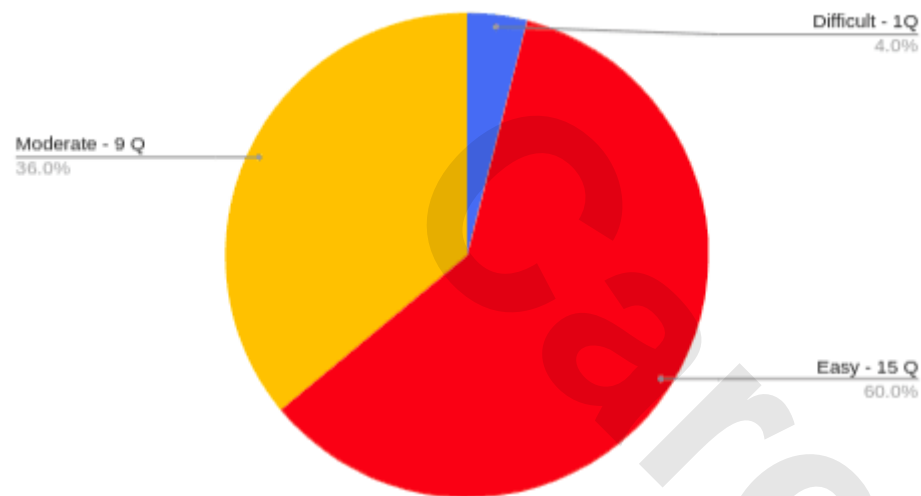
11	Oscillations and Waves	Doppler effect	Easy
12	Electromagnetic Induction and Alternating currents	Motional electromagnetic force	Moderate
13	Atoms and nuclei	Laws of radioactive decay	Easy
14	Electrostatics	Parallel plate capacitor	Moderate
15	Gravitation	Variation of g due to rotation of earth	Moderate
16	Magnetic Effects of Current and Magnetism	Moving coil galvanometer	Easy
17	Physics and Measurement	Application of dimensional analysis	Moderate
18	Electromagnetic waves	EM spectrum	Easy
19	Electrostatics	Dielectrics	Moderate
20	Oscillations and Waves	Angular SHM	Moderate

21	Work Power Energy	Power	Easy
22	Kinetic theory of Gases	Various types of speeds of Ideal gases	Easy
23	Optics	Refraction through a prism	Easy
24	Dual Nature of Matter and radiation	Photoelectric effects	Easy
25	Rotational Motion	Rotational equilibrium	Difficult

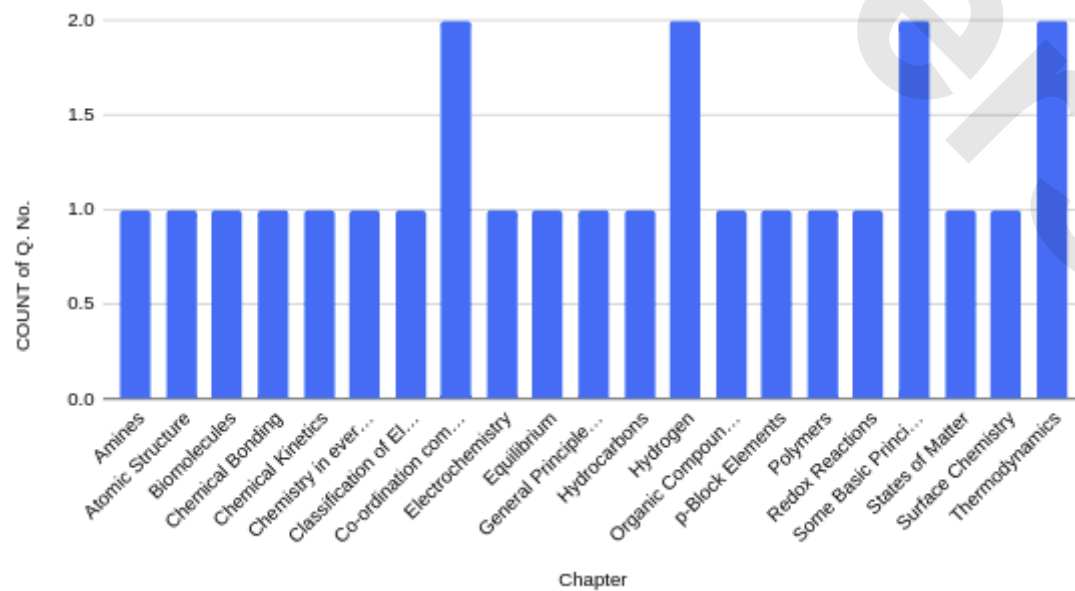
JEE Main September 5th 2020 Chemistry Paper Analysis:

The chemistry part is a bit easier. Chemistry has given almost equal weightage to inorganic, organic and physical chemistry. According to experts chemistry contains 60 % easy questions.

Distribution of Difficulty level - Chemistry - 25 Question



COUNT of Questions vs. chapter - Chemistry - 25 Question



Q.	Chapter	Topic	Level of
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No.			Difficulty
1	Thermodynamics	Enthalpy of solution	Moderate
2	Classification of Elements and Periodic table	Ionic Radius	Easy
3	Electrochemistry	Conductance	Easy
4	Some Basic Principles of Organic Chemistry	Isomerism	Easy
5	Surface Chemistry	Adsorption	Easy
6	Polymers	Condensation Polymer	Easy
7	Atomic Structure	Quantum Mechanical Model	Moderate
8	General Principle and process of Isolation of metals	Refining	Easy
9	Hydrogen	Hardness of Water	Easy
10	Hydrocarbons	Alkenes	Easy

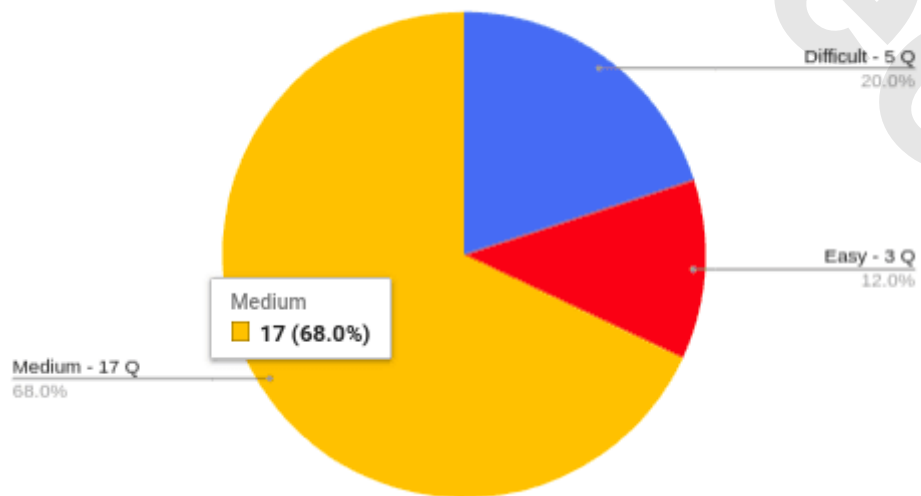
11	Chemical Kinetics	Arrhenius Equation	Moderate
12	States of Matter	Solid State	Easy
13	p-Block Elements	Group 15	Easy
14	Some Basic Principles of Organic Chemistry	Boiling Points	Moderate
15	Hydrogen	Hydrogen Peroxide	Easy
16	Amines	Electrophilic Substitution	Moderate
17	Chemical Bonding	hybridisation	Easy
18	Chemistry in everyday life	Drug	Moderate
19	Organic Compounds containing Oxygen	Ketones	Easy
20	Co-ordination compounds	Isomerism	Easy
21	Redox Reactions	Titration	Moderate
22	Biomolecules	Carbohydrates	Easy

23	Co-ordination compounds	CFSE	Moderate
24	Equilibrium	Equilibrium Constant	Moderate
25	Thermodynamics	Gibb's Free Energy	Difficult

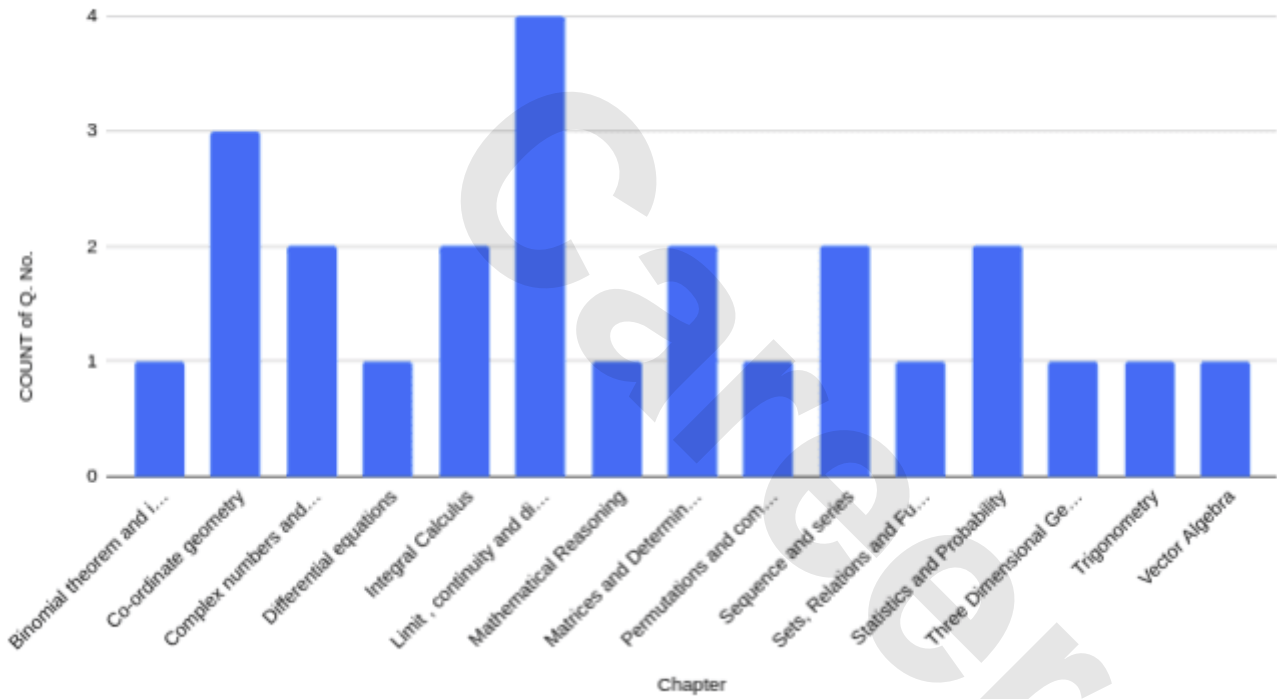
JEE Main September 5th 2020 Mathematics Paper Analysis:

The mathematics paper of JEE Main 5th September 2020 slot 2 is moderate to difficult with some tricky questions. 20% questions are difficult and 68% are moderate level.

Distribution of Difficulty level - Maths - 25 Question



COUNT of Questions vs. chapter - Maths - 25 Question



Q. No.	Chapter	Topic	Level of Difficulty
1	Limit, continuity and differentiability		Medium
2	Sequence and series	Sum of a series	Medium
3	Trigonometry	Sum and Difference of arcsin and arccos	Medium

4	Statistics and Probability	Mean and Standard Deviation	Easy
5	Integral Calculus	Define Integrals, Area between curves	Medium
6	Sequence and series	Sum of GP	Medium
7	Integral Calculus	Integration of Trigonometric Function	Medium
8	Limit, continuity and differentiability		Difficult
9	Differential equations	Homogenous Differential Equation	Medium
10	Permutations and combinations	Minima and Maxima	Medium
11	Limit, continuity and differentiability	Minima and Maxima	Medium
12	Three Dimensional Geometry	Coplanar Lines	Easy

13	Co-ordinate geometry	Chord of Circle	Medium
14	Limit , continuity and differentiability	Tangent of a Curve	Medium
15	Complex numbers and quadratic equations	Sum and Product of Roots	Easy
16	Complex numbers and quadratic equations	Powers of iota	Medium
17	Matrices and Determinants	System of Linear Equation	Medium
18	Co-ordinate geometry	Tangent of circle and ellipse	Difficult
19	Mathematical Reasoning	Truth Table	Medium
20	Matrices and Determinants	System of Linear Equation	Medium
21	Co-ordinate geometry	Intersection of Curve	Medium
22	Sets, Relations and Functions		Difficult

23	Binomial theorem and its simple applications	Multinomial	Medium
24	Vector Algebra	Projection of vectors	Difficult
25	Statistics and Probability	Binomial Probability	Difficult

Summary of Overall Analysis of JEE Main 2020 sep 5th shift 2:

- The physics paper was a bit lengthy, so students reacted that paper was difficult. 3 questions were asked from the units electrostatics and also 3 from oscillation and waves
- Chemistry is easy and more than 1 questions were asked from the units coordination compound, hydrogen, thermodynamics and some basic principle of chemistry.
- Maths paper is moderate to difficult level with 4 questions from limits continuity and differentiability and 3 questions from coordinate geometry.