

JEE Main Sep 2020

2nd Sep 2020, Shift 2

ANALYSIS of Memory-Based Questions

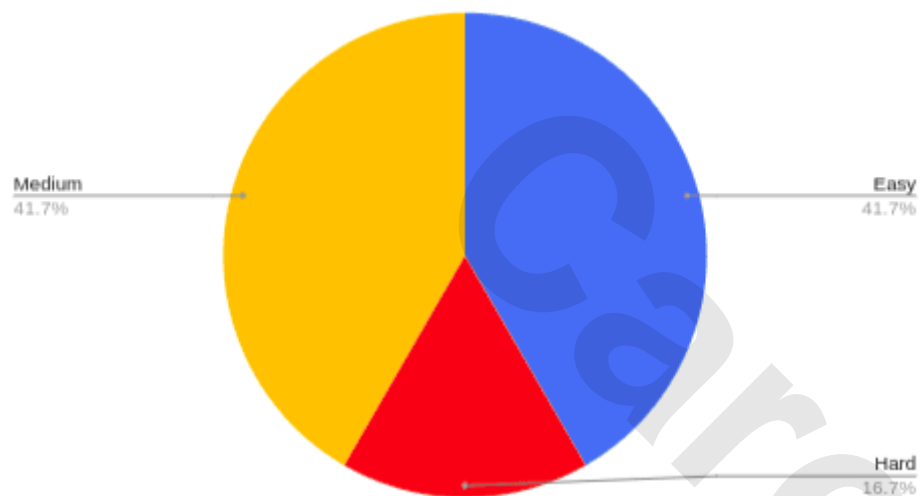
by Careers360

National Testing Agency is conducting the JEE Main 2020 April exam from September 1 to 6. The shift in the exam was due to COVID 19. The JEE Main 2020 September exam is conducted with all the necessary precautions required. The JEE main 2020 paper 2 was conducted on the first of September. The first paper is scheduled from 2nd September to 6 th September. The analysis of JEE Main 2nd September 2020 shift 2 is given in this article. The analysis of papers is done on the basis of **memory based questions**. The exam was conducted from 3 pm to 6 pm. The JEE Main 2020 paper 1 consist question from three subjects namely maths, physics and chemistry with equal weightage for all the subjects. There are 20 multiple choice and 5 numerical questions to be answered from each subject. The overall paper is of moderate level. The maths and chemistry sessions were of *moderate level* and physics paper of JEE Main 2nd September 2020 was comparatively easy.

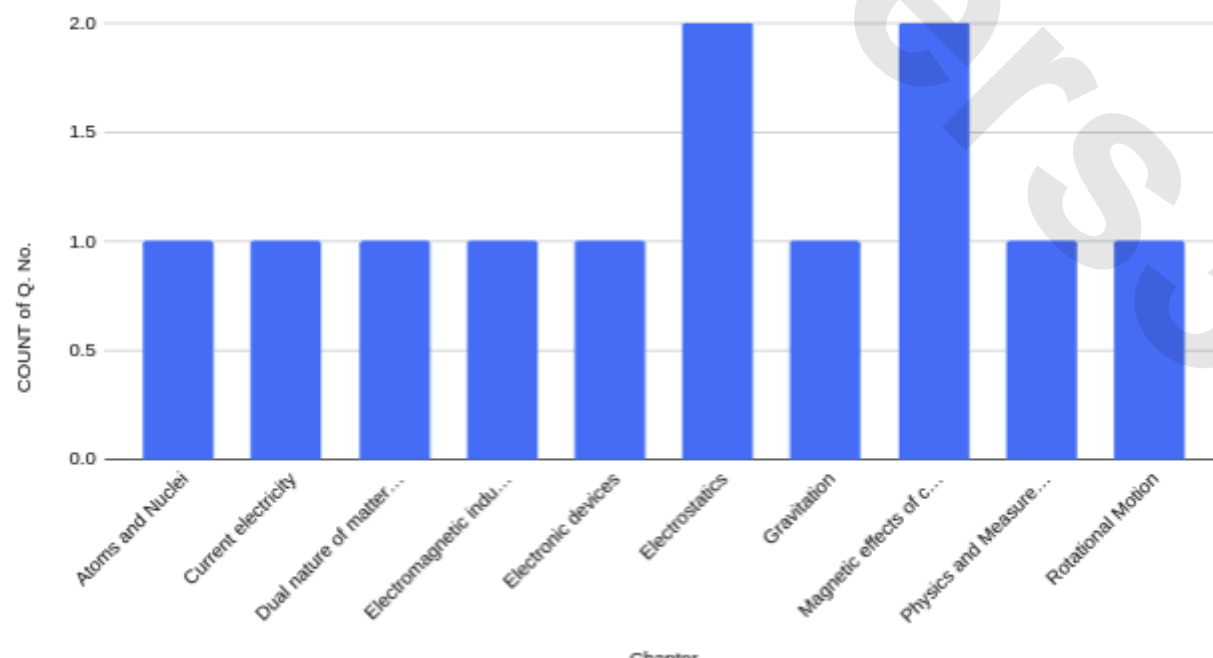
JEE main September 2020 shift 2 Physics Paper Analysis:

A summary of the analysis of JEE Main Physics 2020September 2 shift 2 is given after this paragraph. The analysis is done for 12 memory based questions out of 25 questions. Overall physics paper is comparatively easier. Out of this 12 questions 2 questions were from electrostatics and 2 from the magnetic effect of current and magnetism.

Difficulty level wise - Physics Section - (12 Q out of 25 Q)



COUNT of Questions vs. Chapter - Physics section - (12 out of 25 Questions)



The topics covered in these 12 questions of JEE Main September 2020 is given below in table format along with the difficulty level.

Q. No.	Chapter	Topic	Level of Difficulty
1	Electrostatics	Motion of charge in unifor electric field	Medium
2	Atoms and Nuclei	Line spectra of hydrogen atom	Easy
3	Rotational Motion	Conservation Of angular momentum	Medium
4	Electromagnetic induction and Alternating current	Series LR circuit	Easy
5	Magnetic effects of current and magnetism	Torque on a rectangular current loop in a uniform magnetic field	Hard
6	Current electricity	Potentiometer	Medium
7	Electronic devices	Logic Gates	Easy
8	Physics and Measurement	Application of Dimensional analysis (I)- To find dimension of physical constant	Medium
9	Dual nature of matter and waves	De-broglie wavelength of an electron	Easy
10	Gravitation	Variation in 'g' due to height	Medium
11	Magnetic effects of current and magnetism	Motion of a charged particle in uniform magnnetic field(I)	Hard
12	Electrostatics	Capacitor	Easy

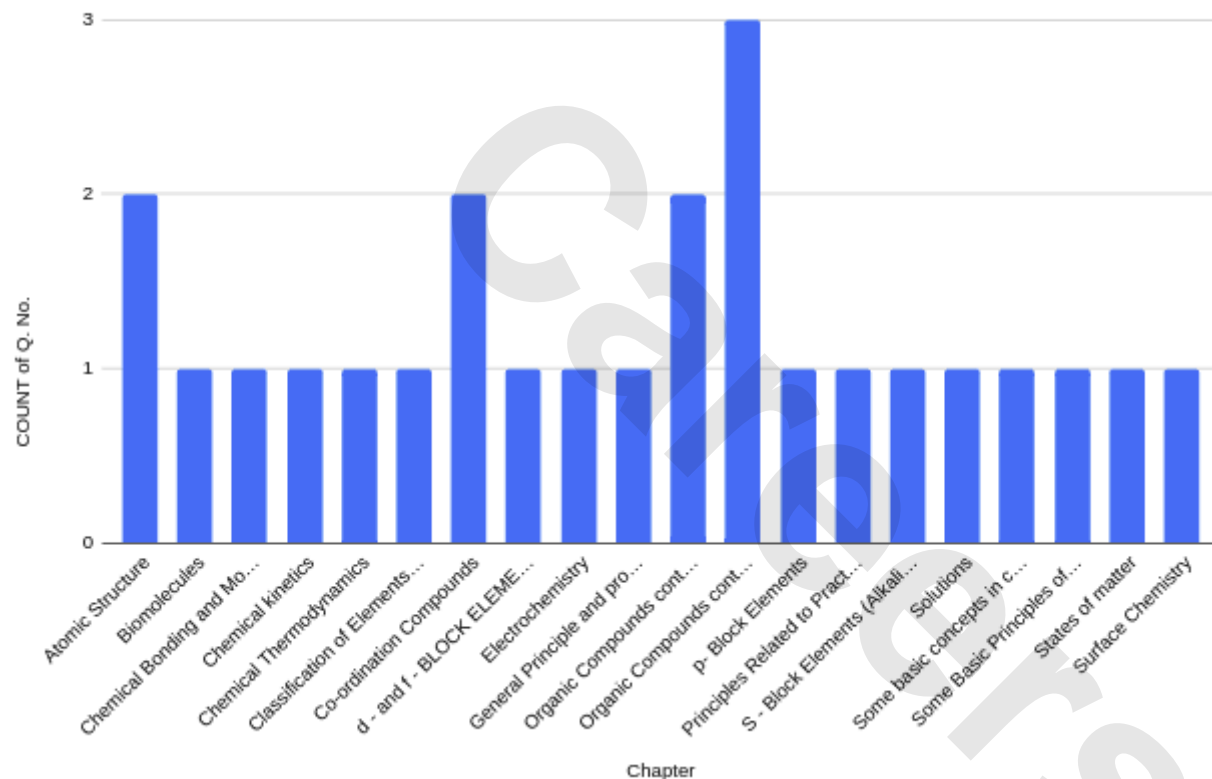
JEE main September 2020 shift 2 Chemistry Paper Analysis:

An analysis of questions of 2020 JEE main second shift September 2nd was given below. The analysis shows that there were 3 questions from the unit of organic compounds containing oxygen. The overall Chemistry paper of 2nd shift of September 2 JEE main was moderate. All the three parts, that is organic chemistry, inorganic chemistry and physical chemistry was given almost the same weightage. An overall summary of the difficulty level and the number of questions from a unit is given below.

Difficulty level wise - Chemistry Section - 25 Questions



COUNT of Question vs. Chapter - Chemistry Section - 25 Questions



The following table shows the topics from which the questions were asked in JEE Main 2nd September 2020 shift 2 chemistry.

Q. No.	Chapter	Topic	Level of Difficulty
1	Co-ordination Compounds	Isomerism	Moderate
2	States of matter	Van der waal's forces	Moderate
3	Biomolecules	Carbohydrates	Easy
4	General Principle and process of Isolation of metals	Iron	Easy

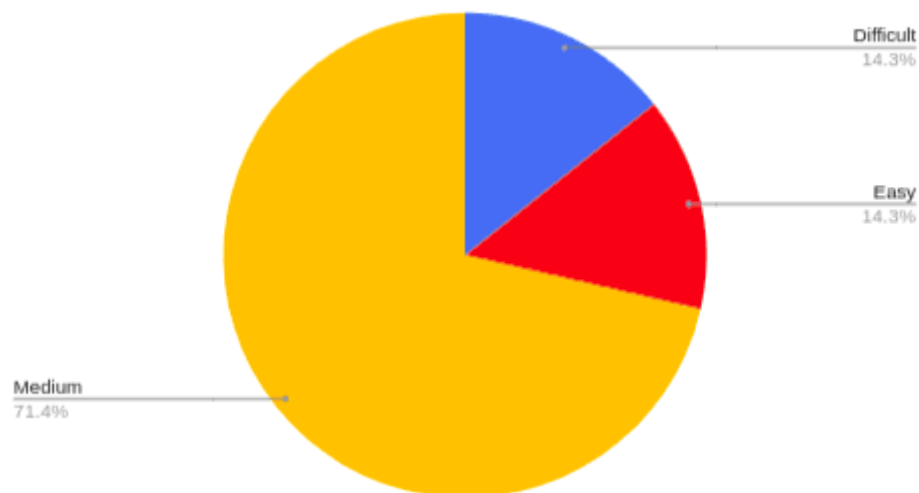
5	Organic Compounds containing Halogens	Nucleophilic substitution	Moderate
6	Surface Chemistry	Adsorption	Moderate
7	Atomic Structure	Quantum numbers	Easy
8	p- Block Elements	Group 18	Easy
9	Classification of Elements and Periodic table	Nature of oxides	Easy
10	Organic Compounds containing Oxygen	Phenols	Easy
11	Principles Related to Practical Chemistry	General	Easy
12	Some Basic Principles of Organic Chemistry	Acidic Strengths	Easy
13	S - Block Elements (Alkali and Alkaline Earth Metals)	Diagonal relationships	Easy
14	Solutions	Osmosis	Easy
15	Organic Compounds containing Oxygen	Ethers	Moderate
16	Organic Compounds containing Oxygen	Carbonyl Compounds	Difficult
17	Chemical Bonding and Molecular Structure	Hybridization	Easy
18	Chemical kinetics	Initial rate law	Moderate
19	Co-ordination Compounds	Strength of	Moderate

		ligands	
20	Organic Compounds containing Halogens	Elimination	Moderate
21	d - and f - BLOCK ELEMENTS	Oxidation state	Easy
22	Atomic Structure	Photoelectric effect	Moderate
23	Electrochemistry	Relation between E and K	Difficult
24	Chemical Thermodynamics	Calorimetry	Moderate
25	Some basic concepts in chemistry	Empirical Formula	Moderate

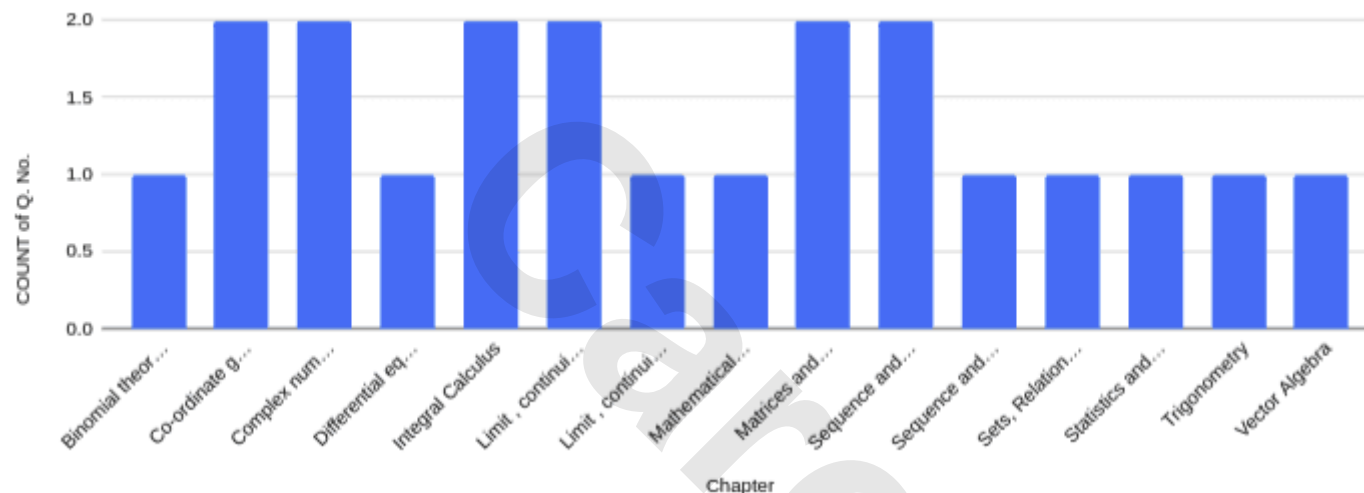
JEE main September 2020 shift 2 Mathematics Paper Analysis:

The difficulty level analysis of JEE Main 2020 September paper 1 first day second shift shows that the overall paper was moderate. A chart of difficulty level is given below. More than 70% of the questions were moderate and easy and difficult question were equally distributed.

Level wise difficulty - Maths - 21 Q out of 25



COUNT of Questions vs. Chapter - Maths Section - 21 out of 25 Questions



The chapters and topic wise analysis of memory-based questions of JEE Main September 2020 shift 2 is given below. The analysis shows that more questions were asked from limit continuity and differentiability, integral calculus etc. Certain questions of JEE Main September 2020 mathematics contains concepts from multiple chapters. The overall paper was of moderate level.

Q. No.	Chapter	Topic	Level of Difficulty
1	Matrices and Determinants	Properties of Matrix	Medium
2	Sets, Relations and Functions, Sequence and series	Functional Equations	Easy
3	Matrices and Determinants	Transpose of a Matrix	Medium
4	Limit , continuity and differentiability	Slope and Equation of Normal	Medium
5	Mathematical reasoning	Tautology, Contradiction and Contrapositive	Medium

6	Complex numbers and quadratic equations	Modulus Of Complex Number And Its Properties	Medium
7	Co-ordinate geometry	Length of Latusrectum	Easy
8	Statistics and Probability	Conditional Probability	Difficult
9	Co-ordinate geometry	Some Standard Property of Parabola	Easy
10	Sequence and series	Sum Of N Terms Of An Ap	Medium
11	Complex numbers and quadratic equations	Location Of Roots	Difficult
12	Sequence and series	Arithmetic and Geometric Progression	Medium
13	Differential equations	Homogeneous Differential Equations	Medium
14	Trigonometry	Trigonometric Equations	Medium
15	Integral Calculus	Area under the curves	Difficult
18	Limit , continuity and differentiability	Standard Limits	Medium
21	Limit , continuity and differentiability, Trigonometry	Method of Differentiation	Medium
22	Integral Calculus	Definite Integral	Medium
23	Sequence and series, Statistics and Probability	Arithmetic Progression and Variance	Medium

24	Vector Algebra		Medium
25	Binomial theorem and its simple applications	Consecutive Coefficients	Medium

The overall analysis shows that the JEE Main 2nd September shift 2 is of moderate level. Even though the overall paper was moderate comparatively the physics was easier and maths and chemistry was moderate. Almost all the units from the syllabus were covered in the JEE Main September 2 shift 2 exam