

# JEE MAIN 2014 – Pattern and Analysis

JEE Main 2014 was conducted on 6<sup>th</sup> April 2014 in offline mode in 2173 centres within India and abroad. A total of 11.84 lakh students would have appeared for this important national exam. The exam was conducted from 9.30 – 12.30 hrs.

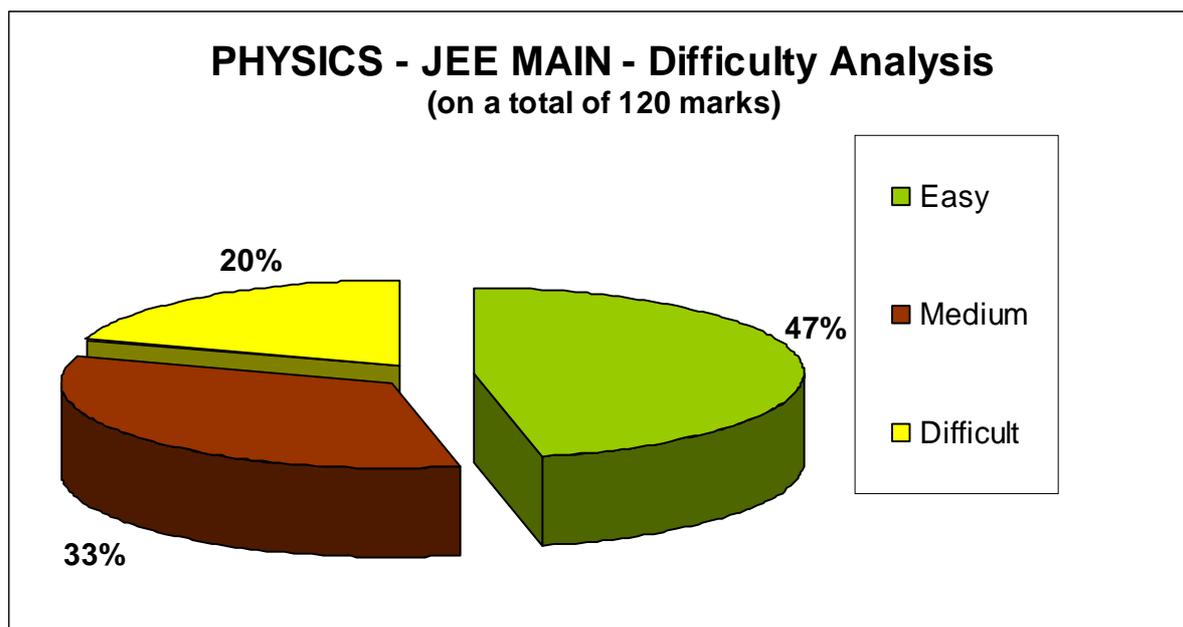
There were 4 versions for JEE MAIN 2014 – E, F, G and H. The order of subjects in each version was different; likewise the options for each question were shuffled too in different versions; there were NO Assertion-Reasoning type questions in the paper in contrast to last year – in 2013 we had a total of 4 A-R type questions, 2 each in Mathematics and Chemistry. But the total marks and the number of questions in ALL versions were the same.

Version	Order of Subjects
<b>E</b>	Physics, Chemistry, Mathematics
<b>F</b>	Chemistry, Mathematics, Physics
<b>G</b>	Mathematics, Physics, Chemistry
<b>H</b>	Physics, Mathematics, Chemistry

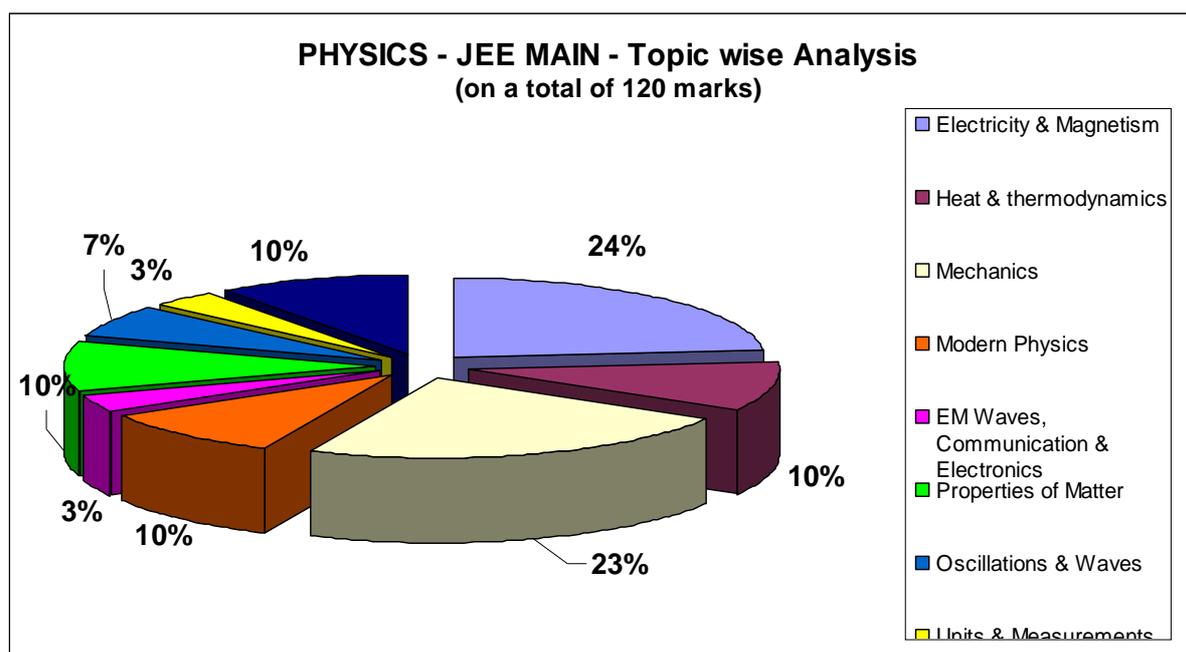
## Physics Part

Equal distribution of questions from Class 11 and Class 12 portions is seen in the paper. Difficulty level of 6 questions was on the higher side. Mechanics and Electricity & Magnetism had strong representation in the paper. Some areas like Properties of matter had two difficult questions. Percentage of easy questions are more than that of JEE 2013, but the Physics part of the paper was rated ‘difficult’ by students.

The overall difficulty level of the Physics part is represented in the graph below and it is very clear that the number of ‘easy’ questions has gone up.



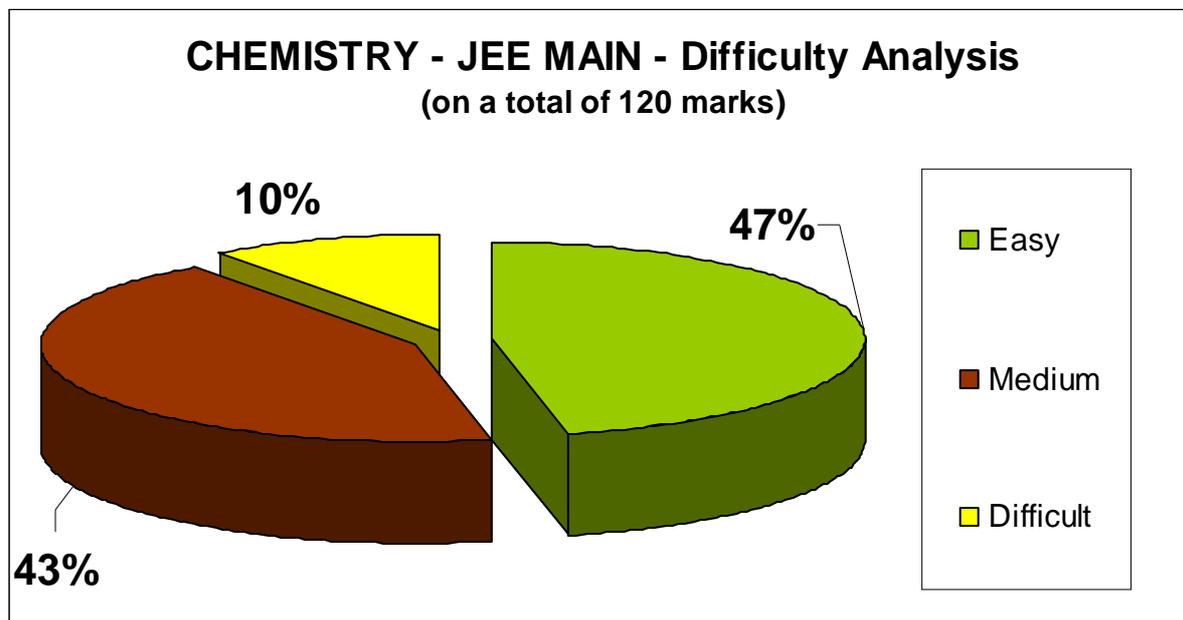
The topic wise distribution of the questions is shown below:



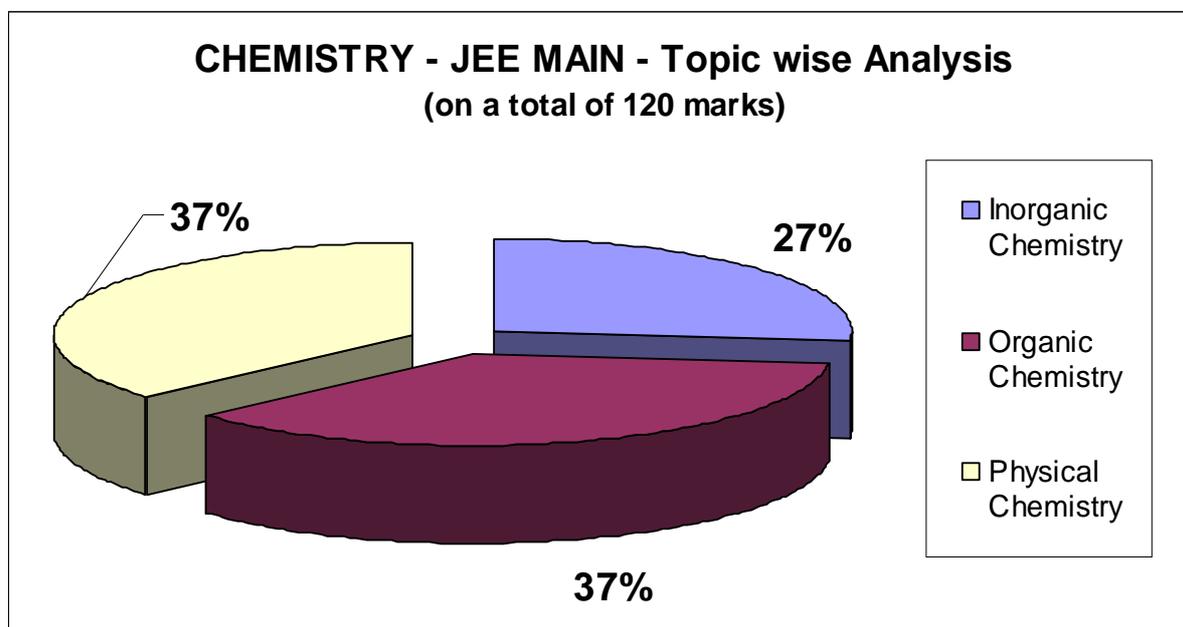
## Chemistry Part

Chemistry part of the JEE Main 2014 was in general considered to be 'easy' as per student perception. The distribution of questions across areas was favouring Organic and Physical parts and most questions from these two areas were not difficult, Inorganic Chemistry was represented lesser in the paper, but questions were difficult in nature.

As given below about 47% of the paper was considered 'Easy' and about 10% of the paper was 'difficult' and hence this was a student friendly paper.



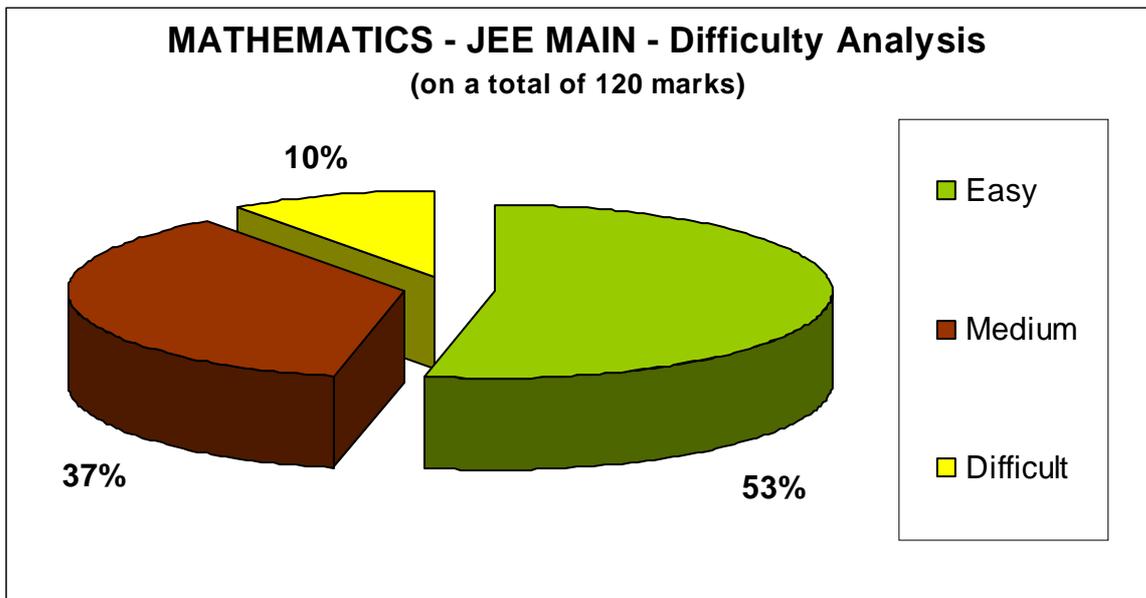
More emphasis was to Physical and Organic Chemistry portions and only a very nominal representation was given to Inorganic Chemistry. The topic wise analysis of the JEE Main 2014 paper for Chemistry is shown below.



**Mathematics Part**

Mathematics part of JEE Main 2014 was a student friendly paper, a well prepared student would avoid those traps set in between. The paper has about 53% of marks from ‘easy’ category questions. Only few questions would have posed difficulty due to the lengthy/ tricky nature of these questions.

There was only one question each from Statistics, trigonometry and Mathematical Reasoning portions.



Algebra, Differential Calculus and Integral Calculus had major shares; Coordinate Geometry was represented lesser than last year. Topic wise analysis is given below.

