

# JEE ADVANCED 2014 – Pattern and Analysis

JEE Advanced, the gateway to IITs was conducted today, 25<sup>th</sup> May 2014, in 98 cities across India and 1 centre abroad. The top 150,000 candidates who were declared as ‘eligible’ for the JEE Advanced 2014 ONLY would appear for this exam Paper 1 was from 9.00 – 12.00 hrs and paper 2 from 14.00 to 17.00 hrs..

Like last year’s JEE, the aspirants could use only a Black Ball Point pen on the ORS (Optical Response Sheet) sheet and JEE permitted students to carry a copy of their OMR sheets with them as they walk out of the examination hall. The ORS of the candidates will be displayed on the JEE website between 8<sup>th</sup> June to 11<sup>th</sup> June 2014.

There were 10 versions for JEE Advanced 2014 – 0 to 9. The order of subjects in both papers were the same – Physics, Chemistry and Mathematics; the total marks for the paper, the number of questions in each paper were also the same but the type of questions in both papers were distinct from each other.

## Paper 1

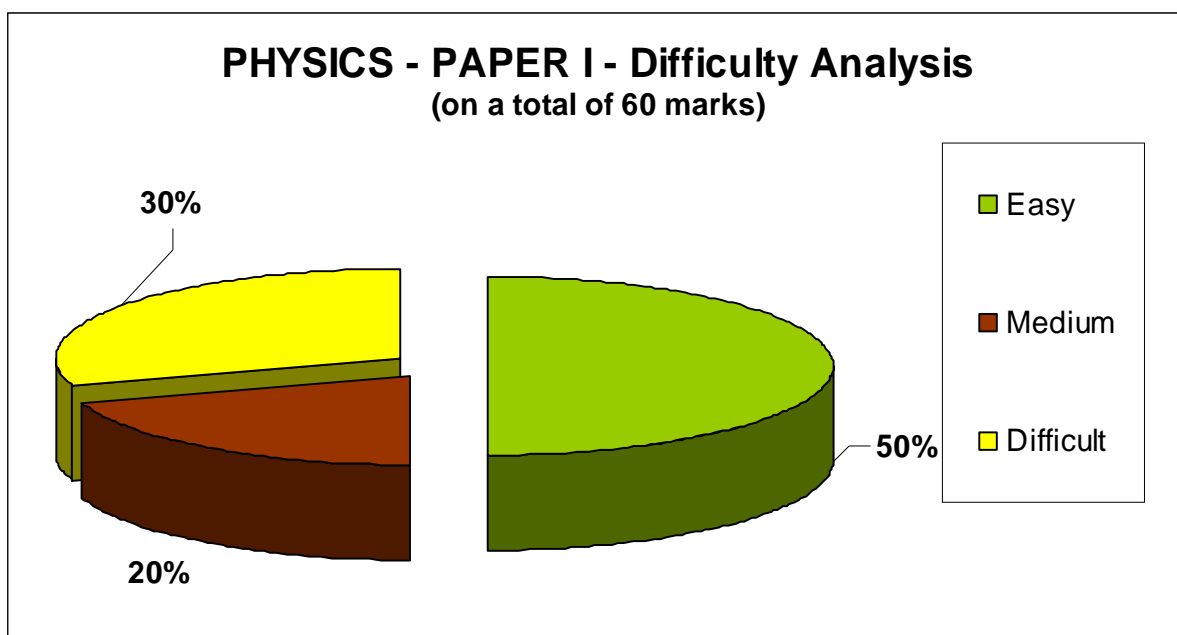
Paper1 had 60 questions per subject in total for 180 marks - in the order of Physics, Chemistry and Mathematics. Each subject had 20 questions and the pattern was exactly the same for all the subjects. There were NO negative marks for this paper. But overall since the pattern of paper included ONLY Multiple Correct and Integer Answer type questions, many of the students had lost their confidence.

Type of question	Number of questions	Marks for a correct answer	Negative marking	Total Marks for the Section
Section I – One or More than One Options Correct Type	10	3	NIL	30
Section II – One Integer Value Correct Type	10	3	NIL	30

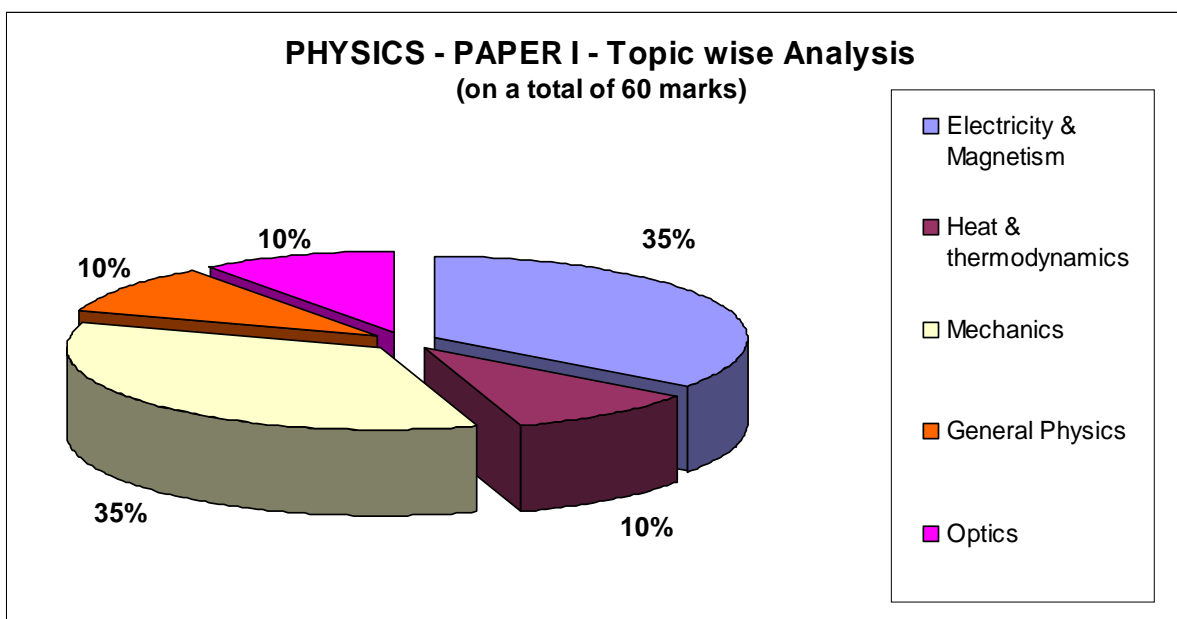
### Part 1 - Physics

MMCQ part of Paper 1 was relatively difficult. For most of the questions, to arrive at all correct options, consistency needs to be checked for all the four options given, which was a lengthy affair. But the Integer type questions were relatively easy.

One may note as given below about 50 % of the Physics of paper 1 is categorized as 'Easy'.



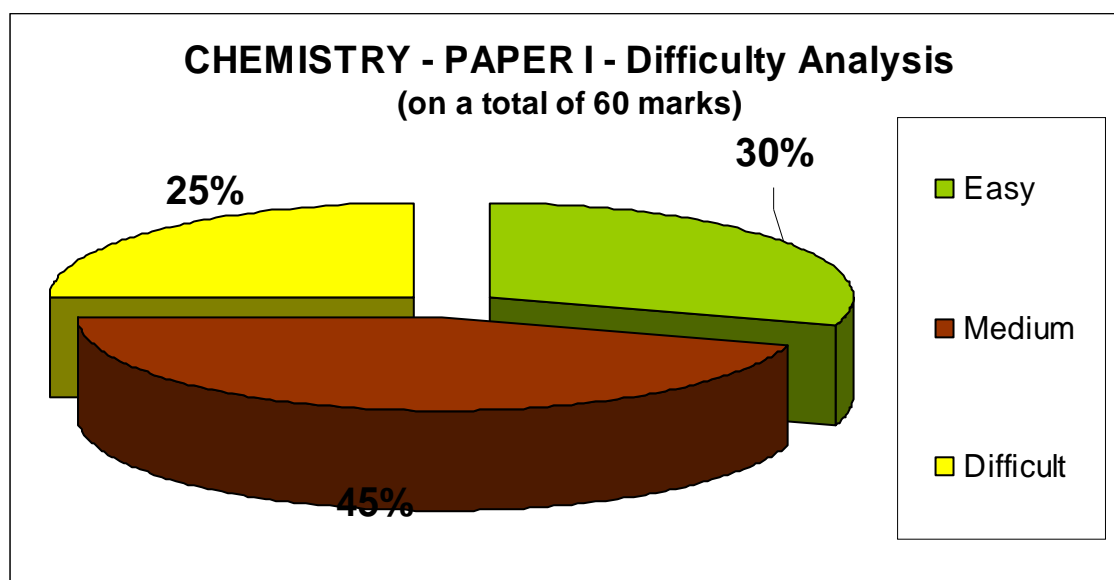
The topic wise distribution of the questions is shown below:



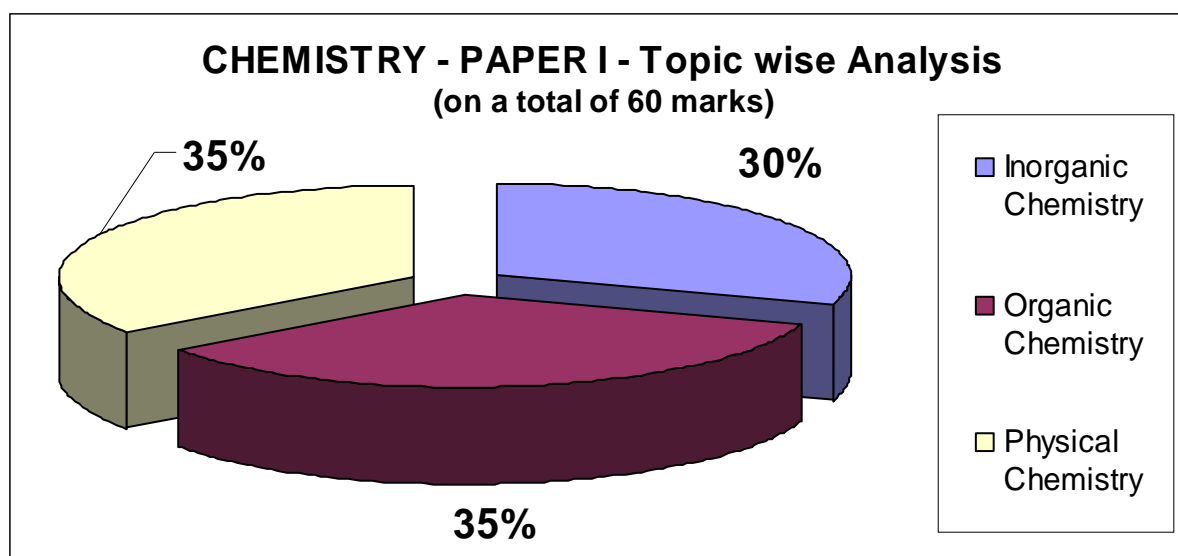
## Part 2 – Chemistry

In general, Chemistry of Paper 1 of JEE Advanced 2014 are answerable only by candidates who are well prepared for the examination. About half the paper can come under the category ‘simple and textual’, about 35% can be classified as ‘involving argumentative logic’ and the rest would induce good confusion among students. The last category of questions would bring in ambiguity in the answers involved.

As given below about 25% of the paper was considered ‘difficult’, this paper cannot be considered as a student friendly paper.



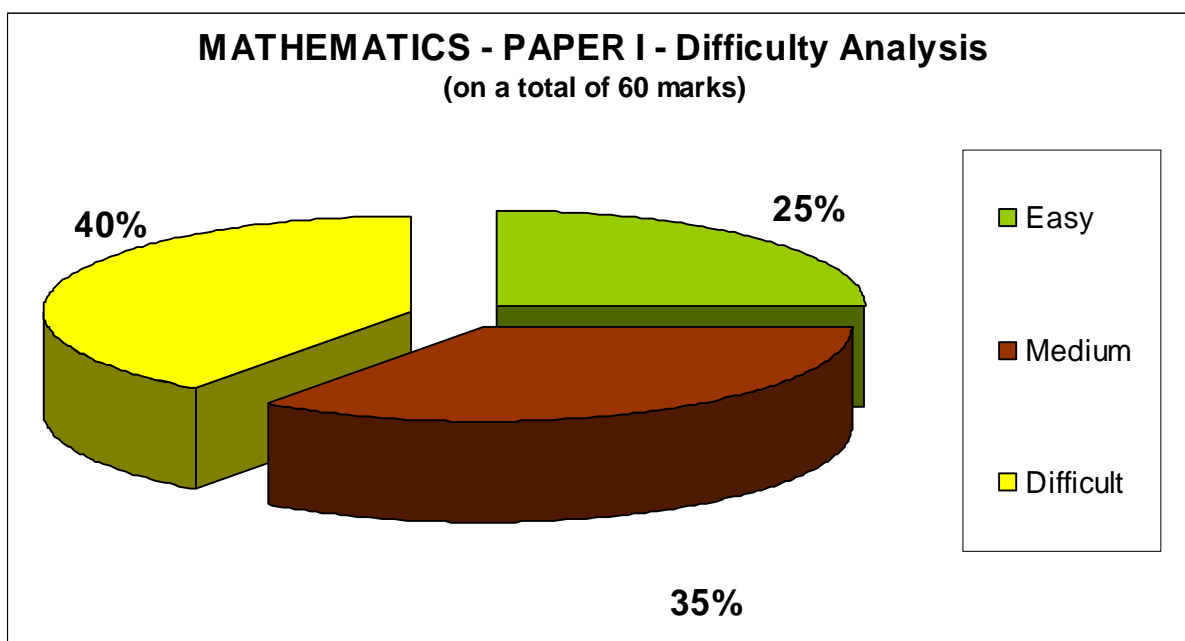
The topic wise analysis of paper 1 for Chemistry is shown below.



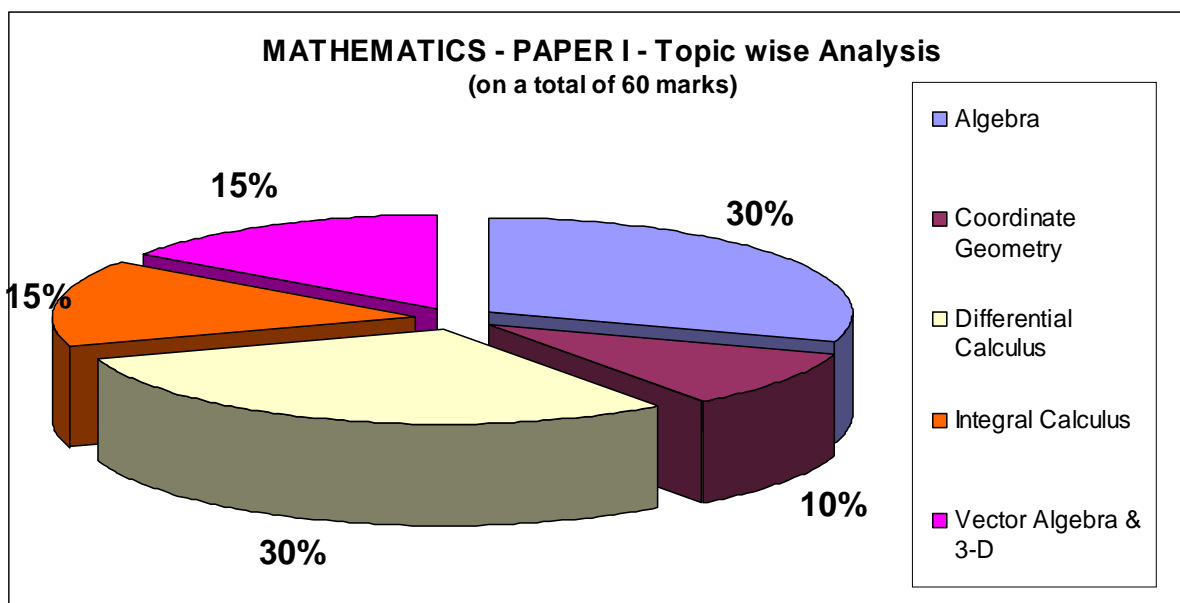
### Part 3 – Mathematics

Mathematics part of paper 1 of JEE Advanced 2014 was a moderately difficult paper and included lesser easy questions than difficult questions. There were direct questions to choose from but a good number of questions involved logical thinking, usage of visual interpretation through graphs and critical reasoning.

With only 25% of the marks under the ‘easy’ category, this is a challenging yet interesting paper.



Differential Calculus and Algebra ruled the paper with a huge 30% marks allotted to each. Vector Algebra, 3-D, Coordinate Geometry and Integral Calculus also were well represented. Topic wise analysis is given below.



## Paper 2

Paper 2 had 60 questions in total - in the same order of the first paper - Physics, Chemistry and Mathematics. Each subject had 20 questions and as in paper 1 the pattern was exactly the same across the subjects. All questions in this paper had 3 marks for a correct answer and were also give (-1) for a wrong answer; each subject had 60 marks and the maximum mark for the paper was 180.

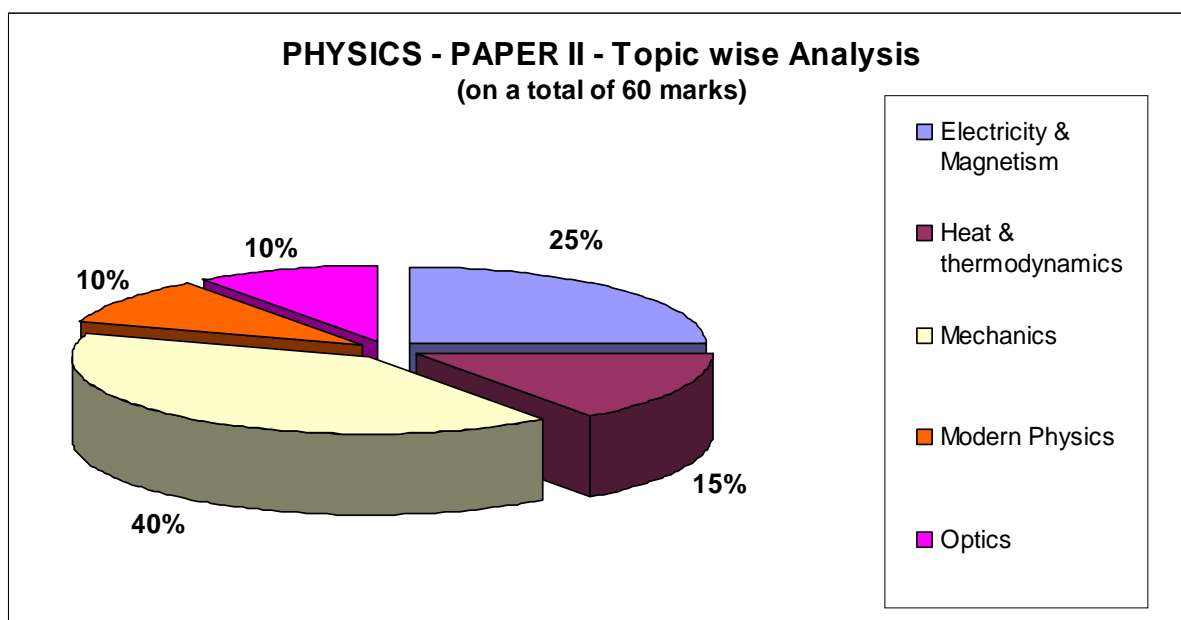
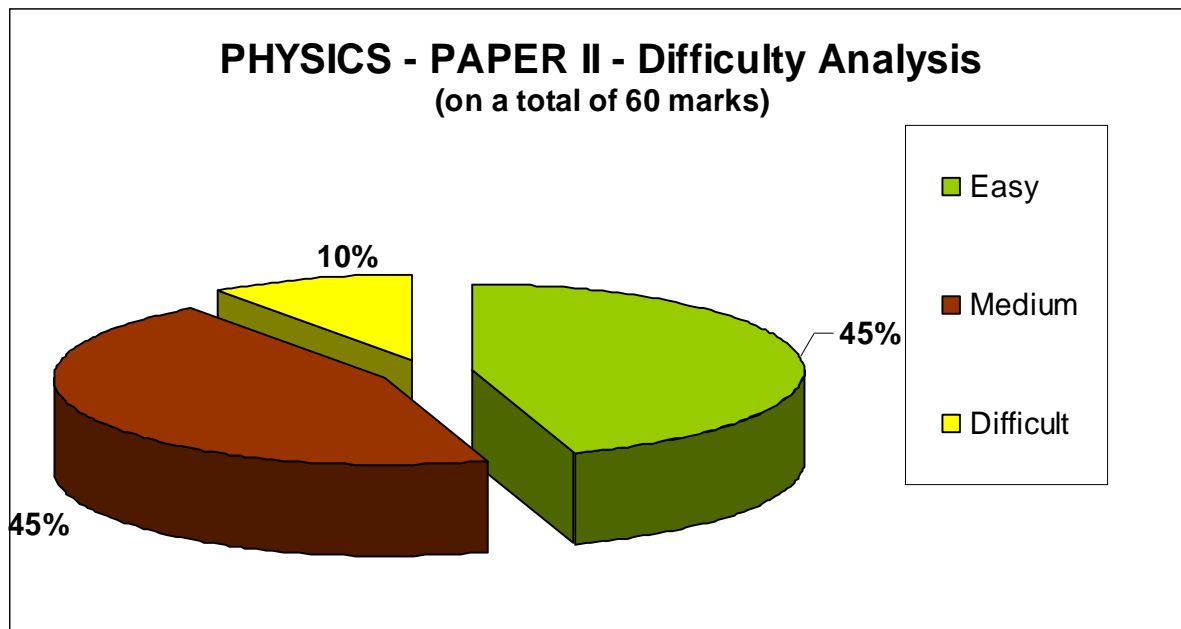
Matching List Type questions looked similar to Match the Following Type of previous year papers, but the options were provided to the student as options. This facilitated the student to do a part of the question but still arrive on the answer.

Type of question	Number of questions	Marks for a correct answer	Negative marking	Total Marks for the Section
Section I – Only One Option Correct Type	10	3	- 1	30
Section II – Comprehension type (Only one option correct)	6	3	- 1	18
Section III – Matching List Type	4	3	- 1	12

### Part 1 - Physics

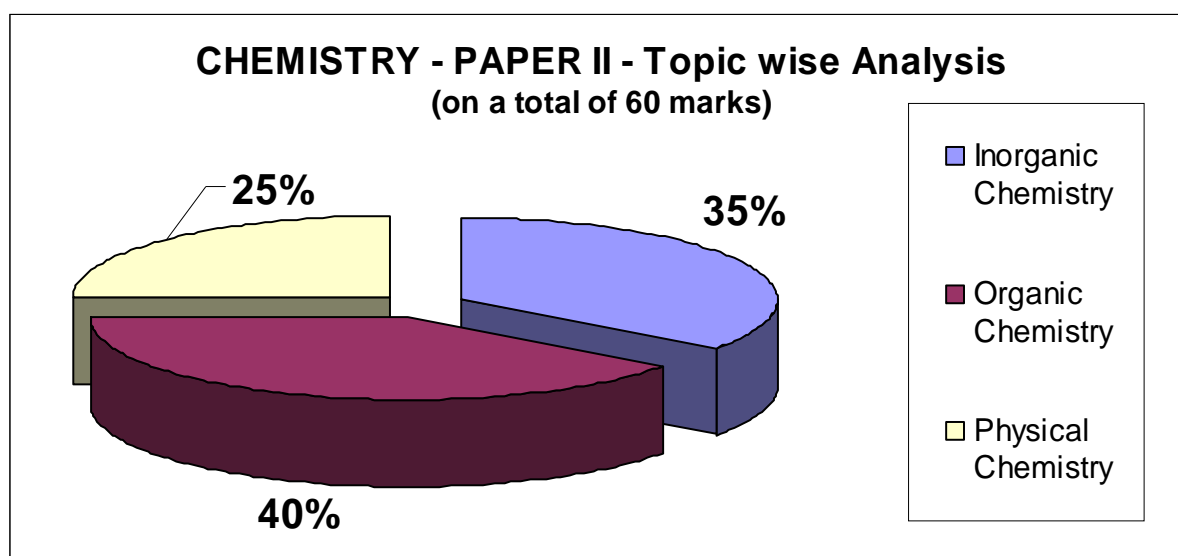
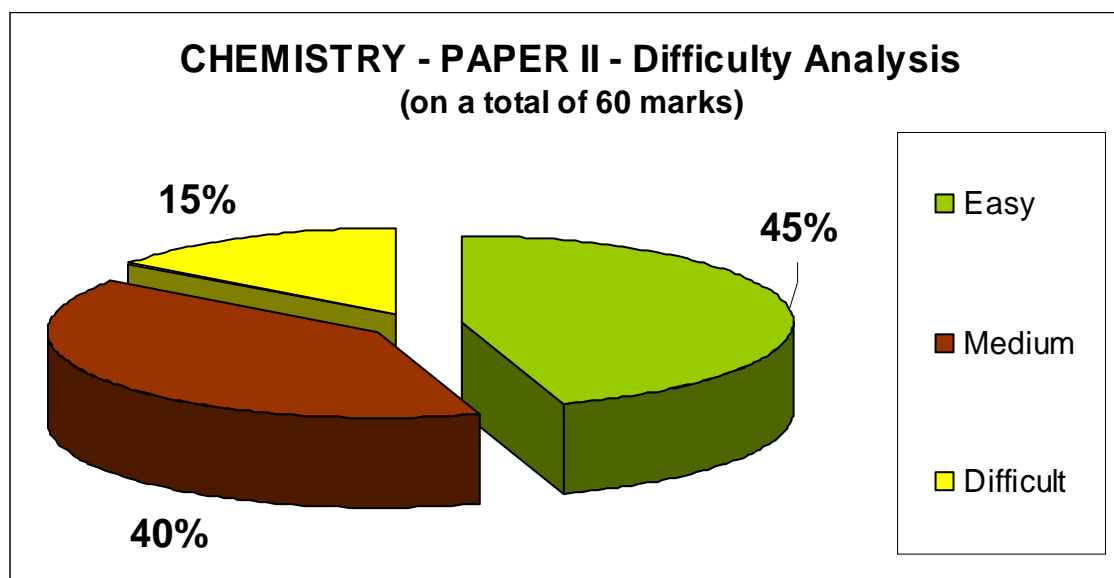
MCQs were relatively easy. In few of the comprehension questions reverse substitution was feasible. Matching list was also favourable for the students. Paper 2 was easier than Paper 1 in general.

The difficulty analysis and the topic wise analysis are shown below:



## Part 2 – Chemistry

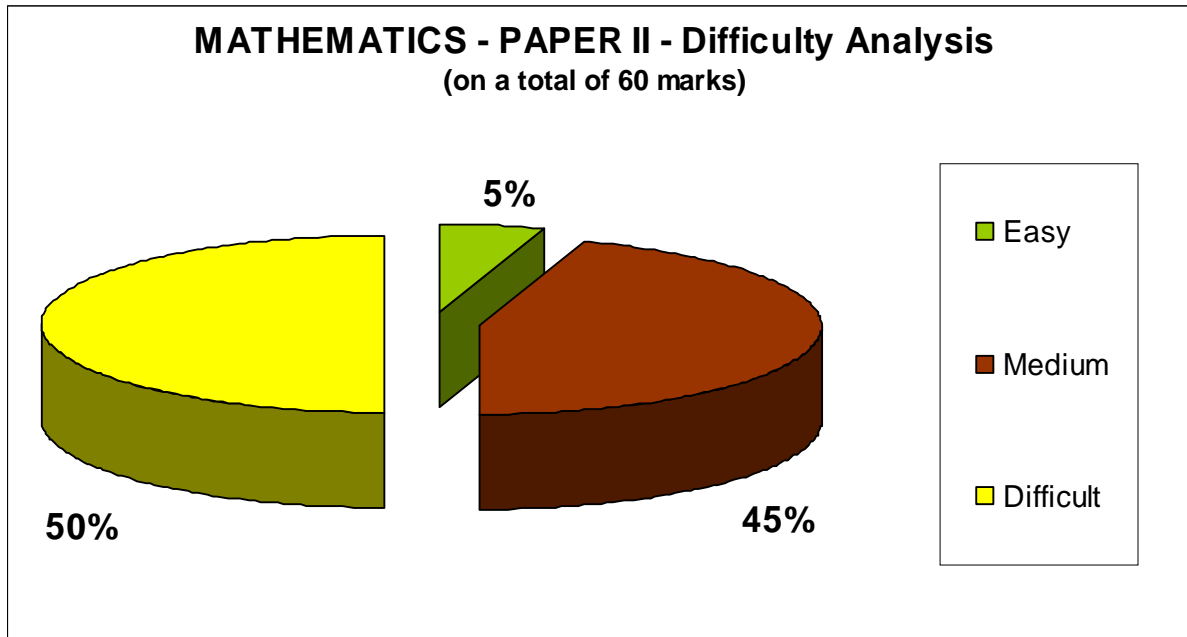
In general, the questions in Paper 2 were comparatively easier than in Paper 1. But expected number of questions from Physical Chemistry was not seen – only 25% of the questions were from the Physical portions and they could be categorized as ‘simple and textual’ too. Questions from the Organic portion required keen observation and were time consuming. Questions from Inorganic part also require time as they belong to the logical argumentative type. The difficulty analysis and topic wise distribution are as shown below:



### Part 3 – Mathematics

Mathematics part of Paper 2 – JEE Advanced 2014 was in all measures more difficult than paper 1. Almost all questions were time consuming or were in need of special techniques.

One full question in Matching list was dedicated to graph reading and Integral calculus earned its share of marks in paper 2.



Algebra had a major share again in this paper too, but differential calculus lost its sheen to Integral calculus. The topic wise distribution is shown below:

