

JEE – 2018 ANALYSIS

The JEE Main exam is considered to be one of the most challenging exams in India. Its score is a qualifying factor for securing admissions in the most prestigious engineering institutes in the country, like the IITs, NITs, IITs and GFTI. This year, about 12 Lakh candidates appear for the JEE Main exam, out of which, a fraction of students qualifies to appear for the JEE Advanced exam. While preparing for an examination, in which the level of competition is sky-high, and the syllabus comprises of that of Inter I year and II year, you would certainly want to know the weightage of syllabus of Inter I year and II year in JEE.

JEE Main 2018 Analysis

Subject	Number of Questions from Inter I Year	Total	Number of Questions from Inter II year	Total
Physics	13	52	17	68
Chemistry	15	60	15	60
Mathematics	15	60	15	60

In terms of difficulty level, this year's paper was similar to the last two years' papers. According to experts, the paper was moderately easy. A student should not have had much trouble completing the paper as well. They found similarities between the weightage of marks in this paper and the Inter II year syllabus.

Physics

Surprisingly, Physics was the toughest paper amongst the three. The questions were a mix of theory-based and calculative. This section was not lengthy.

Chemistry

Chemistry was moderately easy amongst the three. The questions were a mix of theory and calculations, which ensured that students saved time for the other two sections. This section was lengthy in comparison to the other sections.

Mathematics

Surprisingly, Mathematics was the easiest paper amongst the three. Most questions were calculative.

JEE Advanced 2018 Analysis

Subject	Number of Questions from Inter I year	Total	Number of Questions from Inter II year	Total
Physics-1	13	43	5	17
Physics-2	9	30	9	30
Chemistry-1	3	10	15	50
Chemistry-2	4	13	14	47
Mathematics-1	10	32	8	28
Mathematics-2	5	17	13	43

Generally, in JEE Advanced, the weightage of Inter I year syllabus is slightly less than that of Inter II year. The ratio of weightage of Inter I year syllabus to weightage of Inter II-year syllabus is 40%, 60%.

For this year's JEE Advanced Paper, the questions had an average ideal time of 151 seconds and this year's paper is much lengthier than previous years, comparable to the previous year papers.

Subject-wise Analysis

In this section, we will discuss about the relative weightage of syllabus of Inter I year and Inter II year in each subject. We will also discuss about some important topics from Inter I year and Inter II year that should not be ignored at all since they have a great importance when it comes to JEE questions.

Physics

In Physics, the weightage of syllabus of Inter I year and Inter II year is almost equal -- it is around 50% for each. Some important chapters of Physics in Inter I year include Waves, Simple Harmonic Motion, Units and Dimensions, Rotational Motion, and Newton's Laws of Motion. Inter II-year Physics topics that carry heavy weightage in JEE include Electrostatics, Magnetism, Current Electricity, Optics, Modern Physics.

Chemistry

In JEE chemistry, generally, the weightage of Inter II-year syllabus is more than that of Inter I year. Generally, the weightage of Inter I year chemistry syllabus in JEE is around 30% to 40%. Many topics that are taught in Inter I year are

the basic ones and serve as a foundation for deeper understanding of many Inter II-year topics. So, even though the weightage of Inter I year syllabus is slightly on the lower side, the topics taught in Inter I year should not be ignored or taken for granted.

Some topics of Inter I year chemistry that are quite important from the point of view of JEE questions are Chemical Bonding, Chemical Equilibrium, Gaseous State, Atomic Structure, General Organic Chemistry, and Stoichiometry. As far as inter II-year chemistry syllabus is considered, it is equally likely to find a question from any of those chapters in JEE.

Mathematics

Generally, the weightage of topics of Inter I year mathematics is 40% to 50% in JEE. Some of the important topics of inter I year mathematics, that are important from the perspective of JEE questions are Coordinate Geometry, Permutations and Combinations, Probability, Complex Numbers, Binomial Theorem, and Progressions. Matrices, Calculus, Vectors and Three-dimensional Geometry are some of the Inter II-year mathematics topics that are important from JEE perspective.

Conclusion

JEE is a very tough competition, where the difference of even 1 mark can cause a lot of damage to one's rank. Hence, it is important to be equally proficient in all the topics, both from Inter I year and Inter II year. Even though it may seem like that a majority of JEE questions are from Inter I year syllabus, however, you must notice that JEE questions generally involve a mix several concepts, and hence, you should be comfortable with all the concepts involved so as to apply them in a single question. Generally, in Inter I year, foundations of several advanced concepts are laid. Hence, you should pay equal attention to the syllabus of Inter I year and Inter II year, both.

******* ALL THE BEST*******