

AIEEE 2011- Analysis

AIEEE 2011 paper was simpler compared to 2009 but almost same in terms of difficulty level as compared to 2010. The format of a single paper test was retained. There were 30 questions in each subject. Each section of the paper was of 120 marks means a total of 360 marks.

The difference in pattern as compared to last year was elimination of 8 marks questions which made the paper less scoring. Out of 30 question in each section the marking pattern was (+ 4, -1) marks. Like last year in AIEEE 2010, there were a "Assertion – Reasoning" type questions in Mathematics (5) and Physics (3).

Chemistry & Mathematics part was quite simple except three to Four tricky questions. Most of the questions in the Chemistry & Maths were direct and formula / concept based.

Also, Physics cannot be termed as an exam involving any serious time-constraints for a well prepared students. Attention to fundamental concepts and a high degree of practice in numerical problems in MCQ format, what was required of a candidate to be successful in this entrance exam. The paper features a handful of questions, especially in topics such as Rotational Mechanics and Electro-Magnetic Induction of a slightly more sophisticated nature as compared to AIEEE 2010 and 2009. Most of the questions however, were standard in nature for a student well versed with the fundamentals of 10+2 level Physics, except for the few referred to above.

A student who has prepared dedicatedly for IIT-JEE can solve on the average 20-22 questions in each section .For less than 20,000 AIR, a candidate should score more than 200 marks out of 360 total marks.

Subject wise, Topic wise AIEEE Analysis

1. PHYSICS

Topic	2008	2009	2010	2011
Units, Dimensions and Measurement	5	1	1	1
Kinematics	1	2	3	2
Newton's Laws of Motion	0	0	1	0
Work, Power and Energy	1	1	1	0
System of Particles	3	1	2	0
Gravitation and Rotational Mechanics	2	1	1	4
Properties of Matter	3	1	1	2
SHM, Oscillations	0	1	0	2
Mechanical Waves and Sound	3	2	1	1
Ray Optics and Wave Optics	5	3	3	4
Heat and Thermodynamics	1	5	1	4
Electrostatics	2	3	4	2
Current Electricity	2	1	1	3
Magnetism, Magnetic Effects of Current	2	2	1	1
EMI, AC Circuits and EM Waves	1	1	3	1
Modern Physics	4	5	6	3
Total Questions	35	30	30	30

2. CHEMISTRY

Topic	2008	2009	2010	2011
Atomic Structure and Classification	1	3	3	3
Chemical Bonding	2	1	0	3
Stoichiometry	1	0	0	1
States of Matter	1	1	3	2
Chemical & Ionic Equilibrium	4	1	4	1
Chemical Kinetics & Nuclear Chemistry	1	1	2	2
Chemical Thermodynamics	2	2	2	1
Solutions	2	2	2	2
Electrochemistry	1	1	2	1
General Organic Chemistry + Functional Group I	9	5	6	2
Organic Chemistry – Functional Group II	1	2	1	2
Organic Chemistry – Functional Group III	0	1	1	2
Chemistry of Representative Elements	5	3	0	2
Transition Elements	1	2	0	1
Coordination Compounds & Organometallics	2	2	2	4
Surface Chemistry	1	1	0	0
Biomolecules	1	2	2	1
Total Questions	35	30	30	30

3. MATHS

Topic	2008	2009	2010	2011
Sets, Relations and Functions	2	2	2	2
Limits, Continuity & Differentiability	1	1	2	3
Application of Derivatives	2	3	3	2
Indefinite Integrals, Definite Integrals & Area under the Curve	3	2	2	2
Cartesian coordinates & Straight Line	1	1	1	1
Circles	1	1	1	1
Conics	2	3	1	1
Quadratic Equations, Inequalities, Progression	3	3	1	1
Complex Numbers	1	1	2	2
Binomial Theorem, Exponential & Logarithmic Series	1	1	1	1
Permutation & Combination	2	1	2	1
Probability	2	2	2	2
Vectors	2	1	2	2
Differential Equations & Properties of Triangles	2	1	1	2
Trigonometric Ratios, Equations, & Inverse Circular Function	1	1	2	1
Heights and Distances	1	0	0	0
Matrices & Determinants	3	2	2	2
Mathematical Logic	2	1	0	1
Statics & Dynamics	0	0	0	0
Statistics	1	1	1	1
Total Questions	35	30	30	30