

AIEEE 2010 Analysis

AIEEE 2010 paper was simpler compared to 2009, for that matter was simplest amongst papers of last five years. The format of a single paper test was retained. There were 30 questions in each subject. Each section of the paper was of 144 marks means a total of 432 marks. Out of 30 questions in each section 24 questions carried 4 marks (-1 for wrong answer) and 6 question were of 8 marks (-2 for wrong answer).

Like last year in AIEEE 2010 , there were a “Assertion – Reasoning “ type questions in Mathematics(5) and Physics(2) .

To the delight of many students, Mathematics part was quite simple except one or two tricky questions. Quite a few questions in Mathematics were direct and formula based.

Chemistry was also simple, though physics can be termed as moderately difficult .

For less than 20,000 AIR , a candidate should score more than 220 marks out of 432 total marks.

Subjectwise, Topicwise Analysis

Maths

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

Physics

| Topic | 2008 | 2009 | 2010 |
|--|-------------|-------------|-------------|
| Units, Dimensions, Errors, Experiments | 5 | 1 | 1 |
| Kinematics | 1 | 2 | 3 |
| New ton's laws and friction | 0 | 0 | 1 |
| Work, Power & Energy | 1 | 1 | 1 |
| System of particles | 3 | 1 | 2 |
| Gravitation, Rotational mechanics | 2 | 1 | 1 |
| Properties of Matter | 3 | 1 | 1 |
| SHM, Oscillations | 0 | 1 | 0 |
| Mechanical Waves and Sound | 3 | 2 | 1 |
| Ray Optics, Wave Optics | 5 | 3 | 3 |
| Heat and Thermodynamics | 1 | 5 | 1 |
| Electrostatics | 2 | 3 | 4 |
| Current Electricity | 2 | 1 | 1 |
| Magnetism, Magnetic effects of current | 2 | 2 | 1 |
| EMI , AC and EM waves | 1 | 1 | 3 |
| Modern Physics | 4 | 5 | 6 |
| | 35 | 30 | 30 |

Chemistry

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