

Paper Analysis - JEE (Advanced) 2013

Subject-wise and Topic-wise Analysis of 2013 IIT JEE Paper

(Combined for both Paper 1 & Paper 2)

A - Physics

Topics	No. of Questions	Total Marks	% Weightage
Nuclear Physics	4	13	11%
Electro Magnetic Field	4	13	11%
Work, Power and Energy	4	12	10%
Modern Physics	3	9	8%
Electro statistics	2	7	6%
Geometrical Optics and Physical Optics	3	7	6%
Alternating Current	2	6	5%
Center of Mass	2	5	4%
Error in Measurement	2	5	4%
Heat Transfer	2	5	4%
KTG & Thermo Dynamics	2	5	4%
Fluid Mechanics & Properties of Matter	1	4	3%
Circular Motion	1	4	3%
String Wave	1	4	3%
Capacitance	1	4	3%
Rigid Body Dynamics	1	4	3%
Unit and Dimension	1	3	3%
Sound Waves	1	3	3%
Gravitation	1	3	3%
Elasticity and Viscosity	1	2	2%
Wave Optics	1	2	2%
Total	40	120	100%

B - Chemistry

Topics	No. of Questions	Total Marks	% Weightage
Transition Elements and Co-ordination Chemistry	3	10	8%
Gaseous State	3	10	8%
Qualitative Analysis	4	10	8%
P Block	3	9	8%
Aromatic Compound	3	9	8%
Bio Chemistry	2	8	7%
Carboxylic Acid and their Derivatives	2	7	6%
Chemical Kinetics	2	6	5%
Electro Chemistry	2	6	5%
General Organic Chemistry II	2	6	5%
Metallurgy	2	5	4%
Colligative Properties	1	4	3%
General Organic Chemistry I	1	4	3%
Chemical Equilibrium	1	3	3%
Chemical Bonding	1	3	3%
Ionic Equilibrium	1	3	3%
Atomic Structure and Nuclear Chemistry	1	3	3%
Hydro Carbon	1	3	3%
Carbonyl Compounds	1	3	3%
Reaction Mechanism	1	2	2%
Thermo Dynamics and Thermo Chemistry	1	2	2%
Solid State	1	2	2%
Surface Chemistry	1	2	2%
Total	40	120	100%

C - Mathematics

Topics	No. of Questions	Total Marks	% Weightage
Application of Derivatives	7	22	18%
Complex Numbers	5	14	12%
Probability	4	12	10%
Co Ordinate Geometry	4	12	10%
sVectors	3	9	8%
Parabola	2	6	5%
Inverse Trigonometric Function	2	5	4%
Binomial Theorem	1	4	3%
Permutations and Combinations	1	4	3%
Sequences and Series	1	4	3%
Matrix and Determinants	1	4	3%
Methods of Differentiation	1	4	3%
Solution of Triangle	1	3	3%
Fundamentals of Mathematics	1	3	3%
Circle	1	3	3%
Limit of Function	1	3	3%
Differential Equation	1	2	2%
Straight Line	1	2	2%
Definite Integration	1	2	2%
Area Under Curve	1	2	2%
Total	40	120	100%