

JEE Main 2017 (Offline – 2 April, 2017)
Detailed analysis by Expert Team of Nivedita Classes

Complete Question and Marks Distribution

XI		XII			
No of Ques	% Weightage	No of Ques	% Weightage	Total	
Physics	13	43.3%	17	56.7%	30
Chemistry	15	50%	15	50%	30
Math	16	53.3%	14	46.7%	30
Total	44	48.9%	46	51.1%	90

Chapterwise / Topicwise Marks Distribution

Mathematics				
Unit/Topic Name	No of Ques	Marks	% Weightage	Difficulty (Scale of 3)
Calculus	9	36	30%	1.56
Functions	1	4	3.3%	Medium
Limits	1	4	3.3%	Easy
Derivative	1	4	3.3%	Easy
AOD	2	8	6.7%	Med + Med
Indefinite Integration	1	4	3.3%	Easy
Definite Integration	1	4	3.3%	Easy
AOI	1	4	3.3%	Medium
Differential Equation	1	4	3.3%	Medium

Office Address: Nivedita Classes, E-92, Ground Floor, South Extension, Part – 1, New Delhi – 110049

Phone No.: 011-41070321, Mobile No.: [08510090321](tel:08510090321)

Email ID: info@niveditaclasses.com , Website: www.niveditaclasses.com

Co-ordinate Geometry (2D)	4	16	13.3%	2.25
Straight Line	1	4	3.3%	Medium
Circle	1	4	3.3%	Hard
Ellipse	1	4	3.3%	Medium
Hyperbola	1	4	3.3%	Medium
Algebra	12	48	40%	1.9
Quadratic Equation	1	4	3.3%	Hard
Complex Number	1	4	3.3%	Easy
Matrices	1	4	3.3%	Medium
Determinants	1	4	3.3%	Easy
P & C	1	4	3.3%	Hard
Probability	3	12	10%	Easy + Easy + Hard
Mathematical Logic	1	4	3.3%	Medium
Binomial Theorem	1	4	3.3%	Medium
Sequence & Series	2	8	6.7%	Easy + Hard
Vector & 3D	3	12	10.0%	2.0
Vector	1	4	3.3%	Hard
3D Geometry	2	8	6.7%	Easy + Med
Trigonometry	2	8	6.7%	2.0
Trigonometric Identity	1	4	3.3%	Medium
Height & Distance	1	4	3.3%	Medium
Total	30	120	100.0%	1.86

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Physics				
Unit/Topic Name	No of Ques	Marks	% Weightage	Difficulty (Scale of 3)
Mechanics	8	32	26.7%	2.25
Errors	1	4	3.3%	Medium
Motion in Straight Line	1	4	3.3%	Medium
Laws of Motion	1	4	3.3%	Hard
Work, Power & Energy	1	4	3.3%	Medium
Rotational Mechanics	2	8	6.7%	Hard + Medium
Gravitation	1	4	3.3%	Easy
Properties of Matter	1	4	3.3%	Hard
Heat & Thermodynamics	4	16	13.3%	1.75
Heat	3	12	10%	Med + Hard + Easy
Thermodynamics	1	4	3.3%	Easy
Oscillations & Waves	1	4	3.3%	2.0
Oscillations	1	4	3.3%	Medium
Electro Statics & Dynamics	8	32	26.7%	2.0
Electric Field	1	4	3.3%	Medium
Capacitor	1	4	3.3%	Medium
Electric Current	4	16	13.3%	Med + Med + Easy + Med
Magnetism & Induction	2	8	6.7%	Med + Hard

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Light	5	20	16.7%	2.0
Ray Optics	1	4	3.3%	Medium
Wave Optics	2	8	6.7%	Medium + Hard
Dual Nature	2	8	6.7%	Easy + Med
Nuclear Physics	2	8	6.7%	2.0
Atom	1	4	3.3%	Easy
Nuclei	1	4	3.3%	Hard
Semiconductor & Communication	2	8	6.7%	1.0
Semiconductor	1	4	3.3%	Easy
Communication	1	4	3.3%	Easy
Total	30	120	100.0%	1.97

Chemistry				
Unit / Topic Name	No of Ques	Marks	% Weightage	Difficulty (Scale of 3)
Organic Chemistry	10	40	33.3%	2.4
GOC	1	4	3.3%	Medium
Hydrocarbon	1	4	3.3%	Hard
Haloalkane & Haloarenes	3	12	10%	Medium + Hard + Hard
Aldehyde, Ketones & Carboxylic Acid	2	8	6.7%	Med + Med
Amines	1	4	3.3%	Medium

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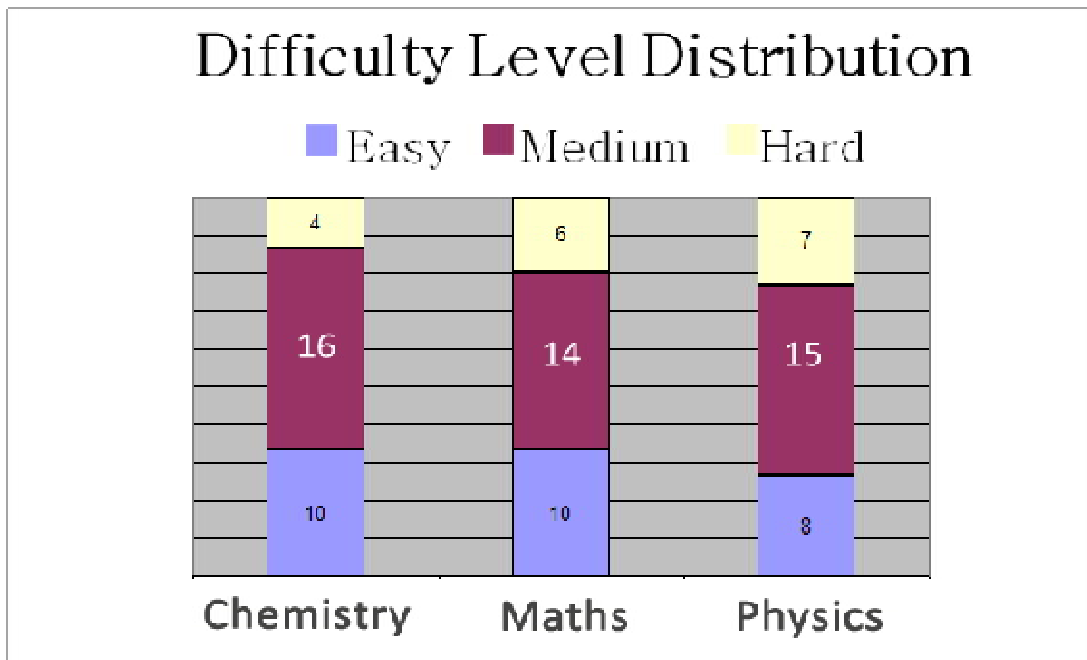
Biomolecules	1	4	3.3%	Hard
Polymers	1	4	3.3%	Medium
Physical Chemistry	12	48	40%	1.58
Mole Concept	3	12	10%	Med + Med + Med
Structure of Atom	1	4	3.3%	Easy
Thermodynamics	2	8	6.7%	Easy + Med
Equilibrium	2	8	6.7%	Med + Med
Solid State	1	4	3.3%	Easy
Solutions	1	4	3.3%	Medium
Electrochemistry	1	4	3.3%	Easy
Surface Chemistry	1	4	3.3%	Easy
Inorganic Chemistry	8	32	26.7%	1.38
Periodicity	1	4	3.3%	Easy
S Block	2	8	6.7%	Easy + Medium
P Block	3	12	10%	Easy + Easy + Medium
Redox Reaction	1	4	3.3%	Medium
Environmental Chemistry	1	4	3.3%	Easy
Total	30	120	100.0%	1.8

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Difficulty Level Distribution



Expected / Tentative Cut-off

Expected cutoff for general category should be around **96**.