

viii	TOTAL	1	29	11	11	8	30	120	100.0%
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2019_Jee-Main_Physics_Topic Wise Analysis

Analysis Prepared by Mr. M. Uma Sankar

12th Apr Slot-2

SNO	NAME OF THE TOPIC	Question Based On		LEVEL			Marks With %		
		Theory	Formulae	Easy	Moderate	Tough	NO.of Q's	MARKS	%
I	Mechanics	3	8	3	6	0	9	36	30.0%
1	Units & Measurement		1				0	0	0.0%
2	Kinematics	1	1		2		2	8	6.7%
3	Laws of Motion		1	2			2	8	6.7%
4	Work, Power & Energy		1	1			1	4	3.3%
5	Rotational Motions		1		1		1	4	3.3%
6	Gravitation	1	1		1		1	4	3.3%
7	Properties of Solids		1		1		1	4	3.3%
8	Properties of Liquids	1	1		1		1	4	3.3%
II	Heat & Thermodynamics	0	3	2	2	0	4	16	13.3%
9	Thermal Properties of Matter		1				0	0	0.0%
10	Thermodynamics		1	1	2		3	12	10.0%
11	KTG		1	1			1	4	3.3%
III	Oscillation & Waves	0	1	2	1	0	3	12	10.0%
12	Simple Harmonic Motion						0	0	0.0%
13	Sound Waves		1	2	1		3	12	10.0%
IV	Optics	1	2	0	2	0	2	8	6.7%
14	Geometrical Optics & Physical Optics	1	1		1		1	4	3.3%
15	Wave Optics		1		1		1	4	3.3%
V	Electrodynamics	1	5	0	7	0	7	28	23.3%
16	Electrostatics				1		1	4	3.3%
17	Capacitance	1	1		1		1	4	3.3%
18	Current Electricity		1		2		2	8	6.7%
19	Magnetic Effects of Current		2		2		2	8	6.7%
20	Magnetism & Matter						0	0	0.0%
21	Electro Magnetic Induction & AC						0	0	0.0%
22	EM Waves		1		1		1	4	3.3%
VI	Modern Physics	0	3	2	1		3	12	10.0%
23	Atomic Physics		1	1			1	4	3.3%
24	Nuclear Physics		1	1			1	4	3.3%
25	Dual Nature of Matter		1		1		1	4	3.3%
VII	Electronic Devices	1	1		1		1	4	3.3%
VIII	Communication Systems		1	1			1	4	3.3%
IX	TOTAL	6	24	10	20	0	30	120	100.0%



2019_Jee-Main_Chemistry_Topic Wise Analysis

Analysis Prepared by Mr. M. Uma Sankar

12th Apr Slot-2

SNO	NAME OF THE TOPIC	Question Based On		LEVEL			Marks With %		
		Theory	Formulae	Easy	Moderate	Tough	NO.of Q's	MARKS	%
I	Physical Chemistry	6	4	6	4	0	10	40	33.3%
1	Atomic Structure	1		1			1	4	3.3%
2	Stoichiometry		1	1			1	4	3.3%
3	States of matter						0	0	0.0%
4	Ionic Equilibrium		1		1		1	4	3.3%
5	Chemical Equilibrium	1		1			1	4	3.3%
6	Thermodynamics	1		1			1	4	3.3%
7	Solid States	1		1			1	4	3.3%
8	Solutions & Colligative Properties		1		1		1	4	3.3%
9	Electrochemistry	1			1		1	4	3.3%
10	Chemical Kinetics		1		1		1	4	3.3%
11	Surface Chemistry	1		1			1	4	3.3%
II	Inorganic Chemistry	10	0	9	0	1	10	40	33.3%
12	Periodic Properties	2		2			2	8	6.7%
13	Chemical Bonding						0	0	0.0%
14	S-Block Elements	1		1			1	4	3.3%
15	P-Block Elements	1		1			1	4	3.3%
16	Transition elements (d- & f-block elements)						0	0	0.0%
17	Coordination compounds	1		1			1	4	3.3%
18	Environmental Chemistry	2		2			2	8	6.7%
19	Hydrogen & Its Compounds	1		1			1	4	3.3%
20	Metallurgy	1		1			1	4	3.3%
21	Practical Inorganic Chemistry	1				1	1	4	3.3%
III	Organic Chemistry	8	2	3	5	2	10	40	33.3%
22	General Organic Chemistry	2			2		2	8	6.7%
23	Hydrocarbons		1		1		1	4	3.3%
24	Alkyl Halides	3		1	1	1	3	12	10.0%
25	Phenols		1			1	1	4	3.3%
26	Ethers						0	0	0.0%
27	Carbonyl compounds						0	0	0.0%
28	Carboxylic Acids & its Derivatives						0	0	0.0%
29	Nitrogen Containing Compounds	1			1		1	4	3.3%
30	Aromatic Compounds (Benzen)						0	0	0.0%
31	Polymers	1		1			1	4	3.3%
32	Biomolecules	1		1			1	4	3.3%
33	Chemistry in Everyday life						0	0	0.0%
34	Practical Organic Chemistry						0	0	0.0%
IV	TOTAL	24	6	18	9	3	30	120	100.0%