

viii	TOTAL	1	29	10	16	4	30	120	100.0%
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2019_Jee-Main_Physics_Topic Wise Analysis

Analysis Prepared by Mr. M. Uma Sankar

10th Apr Slot-1

SNO	NAME OF THE TOPIC	Question Based On		LEVEL			Marks With %		
		Theory	Formulae	Easy	Moderate	Tough	NO.of Q's	MARKS	%
I	Mechanics	0	8	3	4	1	8	32	26.7%
1	Units & Measurement		1	1			1	4	3.3%
2	Kinematics		0				0	0	0.0%
3	Laws of Motion		0				0	0	0.0%
4	Work, Power & Energy		1		1		1	4	3.3%
5	Rotational Motions		3	1	2		3	12	10.0%
6	Gravitation		2	1		1	2	8	6.7%
7	Properties of Solids		0				0	0	0.0%
8	Properties of Liquids		1		1		1	4	3.3%
II	Heat & Thermodynamics	0	3	2	1	0	3	12	10.0%
9	Thermal Properties of Matter		1	1			1	4	3.3%
10	Thermodynamics		1	1			1	4	3.3%
11	KTG		1		1		1	4	3.3%
III	Oscillation & Waves	0	2	1	1	0	2	8	6.7%
12	Simple Harmonic Motion		1	1			1	4	3.3%
13	Sound Waves		1		1		1	4	3.3%
IV	Optics	0	2	0	2	0	2	8	6.7%
14	Geometrical Optics & Physical Optics		2		2		2	8	6.7%
15	Wave Optics		0				0	0	0.0%
V	Electrodynamics	0	10	7	3	0	10	40	33.3%
16	Electrostatics		1		1		1	4	3.3%
17	Capacitance		1		1		1	4	3.3%
18	Current Electricity		4	4			4	16	13.3%
19	Magnetic Effects of Current		1	1			1	4	3.3%
20	Magnetism & Matter		0				0	0	0.0%
21	Electro Magnetic Induction & AC		1	1			1	4	3.3%
22	EM Waves		2	1	1		2	8	6.7%
VI	Modern Physics	0	3	2	1	0	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	4	3.3%
VIII	Communication Systems		1	1			1	4	3.3%
IX	TOTAL	0	30	17	12	1	30	120	100.0%



2019_Jee-Main_Chemistry_Topic Wise Analysis

Analysis Prepared by Mr. M. Uma Sankar

10th Apr Slot-1

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