



Sri Chaitanya IIT Academy, India.

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ICON Central Office - Madhapur - Hyderabad

2019_Jee-Main_Mathematics_Topic Wise Analysis

Analysis Prepared by Mr. M. Uma Sankar

8th Apr Slot-2

S NO	NAME OF THE TOPIC	Question Based On		LEVEL			Marks With %		
		Theory	Formulae	Easy	Moderate	Tough	NO.of Q's	MARKS	%
I	ALGEBRA	1	11	6	4	2	12	48	40.0%
1	Binomial theorem		2	1	1		2	8	6.7%
2	Matrix and determinants and linear equations		2	1		1	2	8	6.7%
3	Quadratic equation		2	1	1		2	8	6.7%
4	Sequences and series		1		1		1	4	3.3%
5	Complex numbers		1			1	1	4	3.3%
6	Mathematical reasoning	1		1			1	4	3.3%
7	Sets and relations		1		1		1	4	3.3%
8	Permutations and combinations						0	0	0.0%
9	Probability & random variable		1	1			1	4	3.3%
10	Statistics		1	1			1	4	3.3%
11	Logarithms						0	0	0.0%
12	Mathematical induction						0	0	0.0%
II	VECTOR ALGEBRA	0	2	0	1	1	2	8	6.7%
13	Properties of vectors						0	0	0.0%
14	Scalar product		1			1	1	4	3.3%
15	Dot product		1		1		1	4	3.3%
16	Triple product						0	0	0.0%
17	Vector equations						0	0	0.0%
III	CO-ORDINATE GEOMETRY	0	6	2	3	1	6	24	20.0%
18	Co-ordinate system						0	0	0.0%
19	straight line & pair of Straight lines		1		1		1	4	3.3%
20	Circles & system of circles		1			1	1	4	3.3%
21	Parabola		2	1	1		2	8	6.7%
22	Ellipse		1		1		1	4	3.3%
23	Hyperbola		1	1			1	4	3.3%
IV	3D-GEOMETRY	0	1	1	0	0	1	4	3.3%
24	Co-ordinate system		1	1			1	4	3.3%
25	Dc's & dr's						0	0	0.0%
26	Planes						0	0	0.0%
27	Lines and planes						0	0	0.0%
V	CALCULUS	0	8	2	4	2	8	32	26.7%
28	Functions		1	1			1	4	3.3%
29	Limits						0	0	0.0%
30	Continuity & differentiability		2	1	1		2	8	6.7%
31	Differentiation		1		1		1	4	3.3%
32	Monotonicity & maxima minima and mean-value theorems						0	0	0.0%
33	Tangents and normals		1		1		1	4	3.3%
34	Rate measure & errors						0	0	0.0%
35	Indefinite integration		1			1	1	4	3.3%
36	Definite integration		1		1		1	4	3.3%
37	Areas		1			1	1	4	3.3%
38	Differential equations						0	0	0.0%
VI	TRIGONOMETRY	0	1	0	0	1	1	4	3.3%
39	Trigonometric identities & ratios						0	0	0.0%
40	Transformations						0	0	0.0%
41	Trigonometric equations						0	0	0.0%
42	Inverse trigonometric functions						0	0	0.0%
43	Properties of triangles						0	0	0.0%

44	Trigonometric curves						0	0	0.0%
45	Heights & distances		1			1	1	4	3.3%
VII	MISCELLANEOUS	0	0	0	0	0	0	0	0
VIII	TOTAL	1	29	11	12	7	30	120	100.0%



2019_Jee-Main_Physics_Topic Wise Analysis

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SNO	NAME OF THE TOPIC	Question Based On		LEVEL			Marks With %		
		Theory	Formulae	Easy	Moderate	Tough	NO.of Q's	MARKS	%
I	Mechanics	0	9	2	7	0	9	36	30.0%
1	Units & Measurement		1		1		1	4	3.3%
2	Kinematics		2		2		2	8	6.7%
3	Laws of Motion						0	0	0.0%
4	Work, Power & Energy		3	1	2		3	12	10.0%
5	Rotational Motions		1		1		1	4	3.3%
6	Gravitation		1		1		1	4	3.3%
7	Properties of Solids		1	1			1	4	3.3%
8	Properties of Liquids						0	0	0.0%
II	Heat & Thermodynamics	0	2	1	1	0	2	8	6.7%
9	Thermal Properties of Matter						0	0	0.0%
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		2	1	1		2	8	6.7%
13	Sound Waves						0	0	0.0%
IV	Optics	0	2	1	0	1	2	8	6.7%
14	Geometrical Optics & Physical Optics		2	1		1	2	8	6.7%
15	Wave Optics						0	0	0.0%
V	Electrodynamics	0	12	5	6	1	12	48	40.0%
16	Electrostatics		4	1	3		4	16	13.3%
17	Capacitance		1		1		1	4	3.3%
18	Current Electricity		3	3			3	12	10.0%
19	Magnetic Effects of Current		1		1		1	4	3.3%
20	Magnetism & Matter		1			1	1	4	3.3%
21	Electro Magnetic Induction & AC		1		1		1	4	3.3%
22	EM Waves		1	1			1	4	3.3%
VI	Modern Physics	0	1	0	1	0	1	4	3.3%
23	Atomic Physics						0	0	0.0%
24	Nuclear Physics		1		1		1	4	3.3%
25	Dual Nature of Matter						0	0	0.0%
VII	Electronic Devices		1			1	1	4	3.3%
VIII	Communication Systems		1	1			1	4	3.3%
IX	TOTAL	0	30	11	16	3	30	120	100.0%



2019_Jee-Main_Chemistry_Topic Wise Analysis

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8th 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	2	5	0	1	6	7	28	23.3%
1	Atomic Structure		1			1	1	4	3.3%
2	Stoichiometry						0	0	0.0%
3	States of matter						0	0	0.0%
4	Ionic Equilibrium						0	0	0.0%
5	Chemical Equilibrium						0	0	0.0%
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	2			1	1	2	8	6.7%
11	Surface Chemistry						0	0	0.0%
II	Inorganic Chemistry	9	2	2	9	0	11	44	36.7%
12	Periodic Properties	1			1		1	4	3.3%
13	Chemical Bonding	3		1	2		3	12	10.0%
14	S-Block Elements	1		1			1	4	3.3%
15	P-Block Elements						0	0	0.0%
16	Transition elements (d- & f-block elements)	1			1		1	4	3.3%
17	Coordination compounds	1	1		2		2	8	6.7%
18	Environmental Chemistry	1			1		1	4	3.3%
19	Hydrogen & Its Compounds		1		1		1	4	3.3%
20	Metallurgy	1			1		1	4	3.3%
21	Practical Inorganic Chemistry						0	0	0.0%
III	Organic Chemistry	10	2	2	2	8	12	48	40.0%
22	General Organic Chemistry	2			1	1	2	8	6.7%
23	Hydrocarbons		1	1			1	4	3.3%
24	Alkyl Halides	2				2	2	8	6.7%
25	Phenols						0	0	0.0%
26	Ethers						0	0	0.0%
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)	1				1	1	4	3.3%
31	Polymers	1		1			1	4	3.3%
32	Biomolecules	1	1		1	1	2	8	6.7%
33	Chemistry in Everyday life						0	0	0.0%
34	Practical Organic Chemistry						0	0	0.0%
IV	TOTAL	21	9	4	12	14	30	120	100.0%