

Physics

Serial	Chapter	Subtopic	Difficulty	ANSWERS SET-B	Class
1	Energy & Momentum	Collision	Easy	3	XI
2	Heat & Thermodynamics	Kinetic theory of Gases	Easy	3	XI
3	Properties of Matter	Elasticity	Medium	1	XI
4	DC Circuit	Combination of Cell	Easy	4	XII
5	Energy & Momentum	Potential energy	Medium	1	XI
6	Dynamics	Friction & Pulley	Medium	4	XI
7	Modern Physics	Atoms	Easy	2	XII
8	Wave Optics	Polarization	Easy	1	XII
9	Modern Physics	Atoms	Medium	3	XII
10	Semiconductor	Diode	Easy	1	XII
11	Magnetism	Force on moving charge	Medium	4	XII
12	Capacitor	Dielectrics	Easy	3	XII
13	AC Circuit	Quality Factor	Easy	3	XII
14	Communication System	Bandwidth	Easy	1	XII
15	Waves	Resonance	Easy	3	XI
16	Rotation	Moment of Inertia	Medium	2	XI
17	Electrostatics	Potential energy	Medium	4	XII
18	DC Circuit	Potentiometer	Easy	4	XII
19	EM Waves	Speed of Wave	Medium	1	XII
20	Wave Optics/Interference	YDSE/Single Slit Diffraction	Medium	3	XII
21	SHM	Basics	Medium	4	XI
22	Rotation	Moment of Inertia	Medium	3	XI
23	Energy & Momentum	Collision	Medium	4	XI
24	Magnetism	Dipole Momentum	Easy	1	XII
25	Error	Percentage Error	Easy	1	XI
26	DC Circuits	Meter Bridge	Medium	1	XII
27	AC Circuit	power Factor	Easy	4	XII
28	Kinematics	Graphs	Easy	4	XI
29	Heat & Thermodynamics	First Law of Thermodynamics	Medium	1	XI
30	Dynamics	Circular Motion	Medium	1	XI

MATHEMATICS

Serial	Chapter	Subtopic	Difficulty	ANSWERS SET-B	Class
31	Conic Section	Circle + Parabola	Easy	2	11
32	3D	3D	Medium	4	12
33	Complex Number	Cube roots of unity	Easy	1	11
34	Conic Section	Hyperbola	Easy	3	11
35	DC-2	Tangent-normal	Medium	2	12
36	Determinant	Cramer's Rule	Medium	4	12
37	Quadratic	Modulus Equation	Medium	1	11
38	Trigonometry	Equations	Medium	4	11
39	Probability	Conditional	Easy	4	12
40	DC-2	Maxima-Minima	Medium	2	12

41	Sets	Sets	Difficult	4	11
42	Mathematical Reasoning	Mathematical Reasoning	Easy	3	11
43	Conic Section	Parabola	Medium	4	11
44	Determinant	Determinant	Easy	1	12
45	Binomial	Binomial	Easy	2	11
46	Sequence Series	A.P.	Medium	1	11
47	Straight Line	Locus	Easy	1	11
48	IC-2	Properties	Easy	2	12
49	IC-2	Area	Easy	3	12
50	DC-1	Limits	Medium	1	12
51	Statistics	Standard Deviation	Easy	1	11
52	IC-1	IC-1	Medium	4	12
53	DC-1	Differentiability	Medium	3	12
54	Differential Equation	Linear	Easy	1	12
55	Vectors	Product of Vectors	Medium	3	12
56	3D	Planes	Medium	2	12
57	Trigonometry	Height and Distance	Easy	3	11
58	P and C	Combination	Easy	3	11
59	Sequence Series	Miscellaneous	Difficult	4	11
60	Straight Line	Straight Line + Circle	Easy	1	11

CHEMISTRY

Serial	Topic	Sub-topic	Difficult	ANSWERS SET-B	Class
61	Chemical Bonding	Lewis dot Structure	Easy	1	11
62	Stoichiometry	Nature of salt	Medium	4	11
63	Alcohols and Ethers	Reactions of phenol	Difficult	1	12
64	Amines	Basicity	Medium	1	12
65	Stoichiometry	indicators	Medium	1	11
66	Hydrocarbon	Reduction of Alkynes	Easy	1	11
67	Stoichiometry	Empirical formula	Medium	2	11
68	Redox	H ₂ O ₂ oxidation/reduction	Easy	1	11
69	Alcohols and Ethers	Cleavage of ethers	Medium	2	12
70	Electrochemistry	Faraday's Law	Medium	1	12
71	Chemical equilibrium	Vant Hoff equation	Medium	3	11
72	Chemical Kinetics	Order Estimation	Medium	3	12
73	Biomolecules	Reactions of glucose	Easy	3	12
74	Coordination compound	Isomerism	Medium	4	12
75	Alkyl Halides	Reactions of Alkyl halides	Medium	4	12
76	Alcohols and Ethers	Reaction of phenol	Medium	3	12
77	Ionic equilibrium	Solubility Product	Medium	1	11
78	Introduction to Org. chemistry	Kjehldahl method	Easy	4	11
79	Qualitative Analysis + Metallurgy	Characteristics of salts + Chromatography	Easy	1	12
80	Ionic equilibrium	Diprotic acids	Medium	4	11
81	Environmental chemistry	Impurities in water	Medium	1	11
82	P-block	group 15	Easy	2	12
83	Biomolecules	Amino acids	Difficult	3	12

84	Coordination compound	Oxidation State	Medium	1	12
85	Solids	Defects	Easy	1	12
86	Thermochemistry	Bomb calorimeter	Medium	2	11
87	P block	Lewis Acid	Easy	2	11
88	Chemical Bonding	Nature of bonds	Easy	1	11
89	Coordination compound +Solutions	Colligative properties in coordination complex	Easy	2	12
90	Chemical Bonding	Molecular Orbital theory	Easy	2	11



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Classes

GURUKUL FOR IITJEE AND MEDICAL PREPARATION

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