Contents

Previous Years' Solved Papers		J. CURRENT ELECTRICITY		
	Part-I PHYSICS	1. 2.	Simple Circuits	
		K. ELECTROMAGNETISM		
1. 2.	Fundamental quantities and units	1. 2. 3.	Magnetic Field	
C. M	IECHANICS			
1. 2. D. W	Laws of Motion	1. 2. 3.	State of Matter–Solid, Liquid and Gases 7	
E. HYDROSTATICS24		٥.	Chemical Combination	
1. 2.	IBRATIONS, WAVES AND SOUND Vibrations	4. 5. 6.	Atomic Structure and Radioactivity 18	
G. HEAT		7.	_	
1. 2. 3. 4.	Kinetic Theory of Matter.35Thermal Expansion.38Thermal Energy.41Thermal Radiation.44	9. 10.	Atomic Weight, Molecular Weight and Equivalent Weight	
H. LIGHT			Catalysis53	
1.	Introduction to Light47	11.	Solutions and Solvents	
2.3.4.	Reflection of Light	1. 2. 3.	Periodic Classification of Elements	
5. I. EI	Optical Instruments 62 LECTROSTATICS 66	4.	Hydrogen Chloride and Chlorine	

5.	Metals and Non-metals 27	8.	Simultaneous Equations
•	Important Points	9.	Set Theory
ORGANIC CHEMISTRY1-44			Mapping
1.	An Introduction to Organic Chemistry3	D. T	RIGONOMETRY
2.	Classification of Organic Compounds 9	1.	Circular Measure, Radian and
3.	Saturated and Unsaturated Hydro-		Trigonometrical Ratios
	carbons	2.	Trigonometrical Ratios of Sum &
4.	Plastics, Artificial Fibres, Medicines		Difference of Two Angles 92
	Explosives and Detergents	3.	Ratios of Multiple and Submultiple
5.	Chemical Calculations		Angle 95
•	Important Points	4.	Transformation of Sums into
	Part-III		Products and Vice-Versa
	MATHEMATICS 1-144	5.	Height and Distance
A. ARITHMETIC		E. GEOMETRY	
1.	Compound Interest 1	1.	Locus, Pythogoras Theorem and its
2.	Questions Based on Work and Speed 7		Application
3.	Bank Deposits and Payment in	2.	Circles, Tangents to the Circles and
	Instalments		Cyclic Quadrilaterals
B. ST	TATISTICS	3.	Theorems on Angles in Alternate
	Elementary Statistics		Segment and Proportion
1. 2.	Frequency Graph	F. M	ENSURATION
3.		1.	Cube, Cuboid and Right Prism122
3. 4.	Mean Deviation and Standard	2.	Right Pyramid and Right Circular
٦.	Deviation		Cylinder
C A		3.	Right Circular Cone, Sphere and
C. ALGEBRA			Frustum of Cone
1.	Simple Formulae and their use42	\mathbf{C}	OORDINATE GEOMETRY
2.	Number System		
3.	Laws of Indices and their Application 49	1.	Distance of two Points, Section
4.	Logarithms and their Use	2	Formula and Area of the Triangle 134
5.	Factors	2.	ε
6.	L.C.M. and H.C.F	3.	Angle between two Straight Lines,
7.	Quadratic Polynomials and		their Point of Intersection and length
	Quadratic Equations		of Perpendicular141