## Contents

<ul><li>Previous Years' Solved Papers</li></ul>	J. CURRENT ELECTRICITY		
Part-I PHYSICS	2. Applications of Electric Current :	69 74	
A MELACKIDER CONTRACTOR	K. ELECTROMAGNETISM		
A. MEASUREMENT	1. Magnetic Field	78	
1. Fundamental Quantities and Units 3	2. Force on a Moving Charge in		
2. Measurement of Small-lengths	a Magnetic Field 8	81	
Vernier Calliper	C	85	
B. PURE KINEMATICS	• Important Points 8	89	
1. Elements of Vectors	Part-II		
2. Acceleration	CHEMISTRY		
C. MECHANICS	PHYSICAL CHEMISTRY 1–72		
1. Laws of Motion	Science and Scientific Method	7	
2. Moment of a Force	State of Matter–Solid, Liquid	-	
D. WORK, ENERGY AND POWER 21	and Gaseous	8	
	3. Atoms and Molecules Laws of		
E. HYDROSTATICS		13	
F. VIBRATIONS, WAVES AND SOUND	•	19	
1. Vibrations	•	26	
2. Wave Motion and Sound	6. Symbols, Formulae and Chemical	<b>,</b>	
G. HEAT	•	32 37	
	8. Atomic Weight, Molecular Weight	) /	
1. Kinetic Theory of Matter		43	
2. Thermal Expansion		49	
3. Thermal Energy	10. Various Chemical Reactions and	'	
4. Thermai Kadiadon 44		55	
H. LIGHT	-	61	
1. Introduction to Light 47		67	
2. Reflection of Light 50	INORGANIC CHEMISTRY 1–3	35	
3. Refraction of Light through Plane	1. Periodic Classification of Elements	3	
Surface	2. Water	9	
4. Refraction of Light through	3. Hydrogen, Sulphurated Hydrogen,		
Thin Lenses 59		15	
5. Optical Instruments 62	4. Nitrogen, Ammonia, Oxygen and		
I. ELECTROSTATICS		20	

5.	Metals and Non-metals	8.	Simultaneous Equations
•	Some Networthy Points	9.	Set Theory
ORG	SANIC CHEMISTRY 1–40	10.	Mapping 83
1.	An Introduction to Organic Chemistry3	D. TI	RIGONOMETRY
2.	Classification of Organic Compounds 8	1.	
3.	Saturated and Unsaturated Hydro-	1.	Trigonometrical Ratios
	carbons	2.	Trigonometrical Ratios of Sum &
4.	Plastics, Artificial Fibres, Medicines	۷.	Difference of Two Angles
	Explosives and Detergents	3	Ratios of Multiple and Sub-multiple
5.		٥.	Angle
•	Some Noteworthy Points	4.	
	Part-III	٦.	Products and <i>Vice-versa</i>
	MATHEMATICS	5.	Height and Distance
A. A.	RITHMETIC	E. G	EOMETRY
1.	Compound Interest	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 111
<b>B. S</b> 7	TATISTICS	3.	Theorems on Angles in Alternate
1.	Elementary Statistics		Segment and Proportion
2.	Frequency Graph	F. M	ENSURATION
	Measures of Central Tendency	1.	Cube, Cuboid and Right Prism 122
4.	Mean Deviation and Standard	2.	Right Pyramid and Right Circular
	Deviation		Cylinder 125
C A	LGEBRA	3.	Right Circular Cone, Sphere and
			Frustum of Cone
1.	Simple Formulae and their Use	$\mathbf{C}$	OORDINATE GEOMETRY
2.	Number System	1.	
3.	* *	1.	Formula and Area of the Triangle 134
4. 5	Logarithms and their Use	2.	~
5. 6.	L.C.M. and H.C.F. 63	3.	
7.	Quadratic Polynomials and	٥.	their Point of Intersection and Length
/.	Quadratic Equations		of Perpendicular
	Quadratic Equations		01 1 cipendiculai 171