CONTENTS

Previous Years Paper Fully Solved

		Pages
•	General Informations	2 - 14
	Scientific Instruments	2
	Signs and Symbols	4
	Fundamental Principles and their Founders	7
	Nobel Prize Winners in Physics	8
	Discoveries Relating Atom	11
	Dimensions of Different Physical Quantities	12
	Some Important Formulae	13
•	Mechanics [Introduction and Measurement, Description of Motion in two and three Dimensions, Law of Motion, Work, Energy and Power, Rotational Motion, Gravitation]	15 – 25
•	Heat and Thermodynamics	26 – 27
•	Oscillations and Waves	28 - 31
•	Light	32 - 33
•	Optics and Optical Instruments	34 – 39
•	Electrostatics	40 – 41
•	Current Electricity [Current Electricity, Thermal and Chemical Effects of Currents]	42 – 45
•	Magnetic Effect of Current and Magnetism	46 – 49
•	Electromagnetic Induction and Alternating Current	50 - 52
•	Electrons and Photons	53 – 55
•	Atoms, Molecules and Nuclei	56 – 58
•	Solids and Semiconductor Devices	59 – 62
	OBJECTIVE QUESTIONS	
1.	Measurement and Dimensional Analysis	65 - 70
2.	Rectilinear Motion	71 - 78
3.	Motion in two and three Dimensions	79 - 88
4.	Laws of Motion	89 – 97
5.	Work, Energy and Power	98 - 104
6.	Rotatory Motion of Rigid Body	105 – 110
7.	Gravitation	111 – 117
8.	Heat and Thermodynamics	118 – 126
	Oscillations	127 - 133

Wave Motion	134 - 140
Electrostatics	141 - 152
Current Electricity	153 – 160
Thermal and Chemical Effects of Currents	161 – 164
Magnetic Effect of Current	165 – 170
Magnetism	171 – 174
Electromagnetic Induction and Alternating Current	175 – 181
Electromagnetic Waves	182 - 184
Ray Optics and Optical Instruments	185 – 198
Electrons and Photons	199 – 202
Atoms, Molecules and Nuclei	203 - 207
Solids and Semiconductor Devices	208 - 211
Glossary	212 - 216
	Wave Motion Electrostatics Current Electricity Thermal and Chemical Effects of Currents Magnetic Effect of Current Magnetism Electromagnetic Induction and Alternating Current Electromagnetic Waves Ray Optics and Optical Instruments Electrons and Photons Atoms, Molecules and Nuclei Solids and Semiconductor Devices Glossary