## CONTENTS

1.	Units and measurements	05
2.	Kinematics	07
3.	Laws of Motion & Friction	-20
4.	Work Energy and Power & Circular motion	38
5.	Centre of mass, Conservation of Momentum & Collisions	47
6.	Rigid Body dynamics	56
7.	Gravitation	67
8.	Mechanical Properties of Solids & Fluids	73
9.	Heat and thermodynamics	77
10.	Oscillaions	87
11.	Waves	93
12.	Electrostatics	97
13.	Current Electricity & Capacitance	109
14.	Moving charges and Magnetism & Magnetism and Matter	122
15.	Electromagnetic Induction & A.C	126
16.	Ray Optics	131
17.	Wave Optics	146
18.	Modern Physics	159
19.	Solids and Semiconductor Devices	166
20.	Electromagnetic waves	168

