
CONTENTS

1. Algebra	3–62
— Progression.....	3
— Theory of Quadratic Equations.....	5
— Logarithms.....	6
— Binomial Theorem.....	6
— Exponential and Logarithmic Series.....	7
— Permutation and Combinations.....	8
— Determinants.....	9
— Some Solved Examples.....	10
— Objective Types Questions.....	44
2. Complex Analysis	63–78
— Complex Number.....	63
— Some Solved Examples.....	65
— Objective Type Questions.....	75
3. Coordinate Geometry	79–126
— The Straight Line.....	79
— The Circle.....	81
— Conic Section.....	83
— Some Solved Examples.....	87
— Objective Type Questions.....	122
4. Trigonometry	127–177
— Some Solved Examples.....	131
— Objective Type Questions.....	170
5. Calculus	178–258
— Differential Calculus.....	178
— Integral Calculus.....	180
— Some Solved Examples.....	185
— Objective Type Questions.....	225
6. Vector Analysis	259–274
— Some Solved Examples.....	260
— Objective Type Questions.....	272
7. Statics and Dynamics	275–302
— Statics.....	275
— Dynamics.....	278
— Some Solved Examples.....	282
— Objective Type Questions.....	296
8. Probability	303–324
— Solved Examples.....	305
— Objective Type Questions.....	319
