

---

## **Contents**

---

Chapter 1	Notation and terminology	1
Chapter 2	Numerical Methods I	17
Chapter 3	Mathematical constants and standard functions	27
Chapter 4	Algebra	53
Chapter 5	Numerical Methods II	87
Chapter 6	Differentiation	101
Chapter 7	Integration	137
Chapter 8	Vectors and matrices	167
Chapter 9	Statistical diagrams	183
Chapter 10	Measures of location	207
Chapter 11	Measures of spread and skewness	227
Chapter 12	Basic probability	253
Chapter 13	Advanced probability	273
Chapter 14	Permutations and combinations	289
Chapter 15	Discrete random variables	307
Chapter 16	Continuous random variables	335
	Summary Solutions to Practice Questions	353
	Index	365