

CONTENTS

Model Papers	a
1. Quadratic Equations.....	01
Exercise 1.1	02
Exercise 1.2	10
Exercise 1.3	17
Exercise 1.4	26
Miscellaneous Exercise	33
Self Test.....	37
2. Theory of Quadratic Equations	38
Exercise 2.1	39
Exercise 2.2	46
Exercise 2.3	50
Exercise 2.4	57
Exercise 2.5	59
Exercise 2.6	63
Exercise 2.7	68
Exercise 2.8	76
Miscellaneous Exercise	80
Self Test.....	86
3. Variations	87
Exercise 3.1	88
Exercise 3.2	93
Exercise 3.3	100
Exercise 3.4	104
Exercise 3.4	112
Exercise 3.5	115
Exercise 3.5	119
Miscellaneous Exercise	124
Self Test.....	129
4. Partial Fractions	131
Exercise 4.1	132
Exercise 4.2	136
Exercise 4.3	141
Exercise 4.4	146
Miscellaneous Exercise	151
Self Test.....	155

5.	Sets and Functions.....	157
	Exercise 5.1	158
	Exercise 5.2	162
	Exercise 5.3	165
	Exercise 5.4	171
	Exercise 5.5	174
	Miscellaneous Exercise	177
	Self Test.....	182
6.	Basic Statistics	183
	Exercise 6.1	185
	Exercise 6.2	196
	Exercise 6.3	208
	Miscellaneous Exercise	213
	Self Test.....	215
7.	Introduction to Trigonometry	216
	Exercise 7.1	217
	Exercise 7.2	221
	Exercise 7.3	228
	Exercise 7.4	236
	Exercise 7.5	241
	Miscellaneous Exercise	247
	Self Test.....	250
8.	Projection of a Side of a Triangle.....	251
	Exercise 8.1	254
	Exercise 8.2	254
	Miscellaneous Exercise	255
9.	Chords of a Circle.....	259
	Exercise 9.1	267
	Exercise 9.2	265
	Miscellaneous Exercise	268
	Self Test.....	272
10.	Tangent to a Circle.....	274
	Exercise 10.1	277
	Exercise 10.2	279
	Exercise 10.3	282
	Miscellaneous Exercise	284

11. Chords and Arcs	286
Exercise 11.1	289
Miscellaneous Exercise	292
12. Angle in a Segment of a Circle.....	293
Exercise 12.1	297
Miscellaneous Exercise	300
Self Test.....	302
13. Practical Geometry – Circles.....	304
Exercise 13.1	306
Exercise 13.2	310
Exercise 13.3	317
Miscellaneous Exercise	322
Self Test.....	325
Formula of Different Units.....	326