

5.2	Arithmetic Progressions	51
5.3	<i>n</i> th Term of an AP	56
5.4	Sum of First <i>n</i> Terms of an AP	63
5.5	Summary	72
6.	Triangles	73
6.1	Introduction	73
6.2	Similar Figures	74
6.3	Similarity of Triangles	79
6.4	Criteria for Similarity of Triangles	85
6.5	Summary	97
7.	Coordinate Geometry	99
7.1	Introduction	99
7.2	Distance Formula	100
7.3	Section Formula	106
7.4	Summary	112
8.	Introduction to Trigonometry	113
8.1	Introduction	113
8.2	Trigonometric Ratios	114
8.3	Trigonometric Ratios of Some Specific Angles	121
8.4	Trigonometric Identities	128
8.5	Summary	132
9.	Some Applications of Trigonometry	133
9.1	Heights and Distances	133
9.2	Summary	143
10.	Circles	144
10.1	Introduction	144
10.2	Tangent to a Circle	145
10.3	Number of Tangents from a Point on a Circle	147
10.4	Summary	153
11.	Areas Related to Circles	154
11.1	Areas of Sector and Segment of a Circle	154
11.2	Summary	160