## LIST OF TABLES

No.	Title	Page No.
1.	Year Wise Result of S. S. C. Board Examination in	11
	Gujarat (1999 – 2007)	11
2.	S.S.C. Board Examination Result of Mathematics in Class	12
	X (2003–2007)	
3.	Decade Wise Growth of Research in Mathematics	45
	Education	45
4.	Dimensions of Questionnaire (First Draft) for the Students	57
4.	of Class X	37
5.	Dimensions of Questionnaire (Final Draft) for the Students	, 50
	of Class X	58
6.	Dimensions of Questionnaire (Final Draft) for Teachers of	61
	Class X	01
7.	Dimensions of Questionnaire (Final Draft) for Parents of	63
/.	Class X	03
8.	Objective-wise Weightage (Blue Print of S.S.C. Board)	70
9.	Question-wise Weightage (Blue Print of S.S.C. Board)	71
10.	Expected Difficulty Value (Blue Print of S.S.C. Board)	71
11.	Content-wise Weightage (Blue Print of S.S.C. Board)	71
	List of the Prerequisite / Unit / Pilot / Final Achievement	
12.	Tests Administered for the Enhancing Achievement of the	76
	Students	
13.	Topics Covered under Counselling Sessions	78
14.	Marks of Mathematics of Class IX (Pre-Test)	. 82
15.	Participation of Co-Curricular Activities	82
16.	Type of Family	82
17.	Parents' Education	83
18.	Parents' Occupation	83
19.	Total Monthly Income of the Family	84
20.	Marks of Prerequisite Test	93
21.	Frequency Distribution of Marks of Prerequisite Test	94

No.	Title	Page No.
22.	Marks of Unit Test	100
23.	Frequency Distribution of Marks of Unit Test	100
24.	Marks of Prerequisite Test	105
25.	Frequency Distribution of Marks of Prerequisite Test	105
26.	Marks of Unit Test	112
27.	Frequency Distribution of Marks of Unit Test	ູ112
28.	Marks of Prerequisite Test	117
29.	Frequency Distribution of Marks of Prerequisite Test	118
30.	Marks of Unit Test	123
31.	Frequency Distribution of Marks of Unit Test	124
32.	Marks of Prerequisite Test	128
33.	Frequency Distribution of Marks of Prerequisite Test	129
34.	Marks of Unit Test	133
35.	Frëquency Distribution of Marks of Unit Test	134
36.	Marks of Prerequisite Test	138
37.	Frequency Distribution of Marks of Prerequisite Test	138
38.	Marks of Unit Test	144
39.	Frequency Distribution of Marks of Unit Test	145
40.	Marks of Prerequisite Test	148
41.	Frequency Distribution of Marks of Prerequisite Test	149
42.	Marks of Unit Test	156
43.	Frequency Distribution of Marks of Unit Test	156
44.	Marks of Prerequisite Test	160
45.	Frequency Distribution of Marks of Prerequisite Test	161
46.	Marks of Unit Test	167
47.	Frequency Distribution of Marks of Unit Test	168
48.	Marks of Prerequisite Test	171
49.	Frequency Distribution of Marks of Prerequisite Test	172
50.	Marks of Unit Test	177
51.	Frequency Distribution of Marks of Unit Test	177

No.	Title	Page No.
52.	Marks of Prerequisite Test	181
53.	Frequency Distribution of Marks of Prerequisite Test	182
54.	Marks of Unit Test	188
55.	Frequency Distribution of Marks of Unit Test	188
56.	Marks of Prerequisite Test	192
57.	Frequency Distribution of Marks of Prerequisite Test	193
58.	Marks of Unit Test	195
59.	Frequency Distribution of Marks of Unit Test	196
60.	Marks of Prerequisite Test	199
61.	Frequency Distribution of Marks of Prerequisite Test	200
62.	Marks of Unit Test	206
63.	Frequency Distribution of Marks of Unit Test	206
64.	Marks of Prerequisite Test	210
65.	Frequency Distribution of Marks of Prerequisite Test	210
66.	Marks of Unit Test	216
67.	Frequency Distribution of Marks of Unit Test	217
68.	Marks of Prerequisite Test	221
69.	Frequency Distribution of Marks of Prerequisite Test	222
70.	Marks of Unit Test	227
71.	Frequency Distribution of Marks of Unit Test	228
72.	Marks of Prerequisite Test	231
73.	Frequency Distribution of Marks of Prerequisite Test	232
74.	Marks of Unit Test	237
75.	Frequency Distribution of Marks of Unit Test	237
76.	Marks of Prerequisite Test	242
77.	Frequency Distribution of Marks of Prerequisite Test	242
78.	Marks of Unit Test	247
79.	Frequency Distribution of Marks of Unit Test	247
80.	Marks of Prerequisite Test	251
81.	Frequency Distribution of Marks of Prerequisite Test	252

No.	Title	Page No.
82.	Marks of Unit Test	256
83.	Frequency Distribution of Marks of Unit Test	257
84.	Marks of Prerequisite Test	261
85.	Frequency Distribution of Marks of Prerequisite Test	261
86.	Marks of Unit Test	265
87.	Frequency Distribution of Marks of Unit Test	265
88.	Marks of Prerequisite Test	268
89.	Frequency Distribution of Marks of Prerequisite Test	268
90.	Marks of Unit Test	273
91.	Frequency Distribution of Marks of Unit Test	273
92.	Marks of Prerequisite Test	277
93.	Frequency Distribution of Marks of Prerequisite Test	277
94.	Marks of Unit Test	281
95.	Frequency Distribution of Marks of Unit Test	282 ·
96.	Content and Schedule of Counselling Sessions	285
97.	Marks of the Pilot Test	290
98.	Frequency Distribution of Marks of the Pilot Test	292
99.	Marks of the Final Achievement Test (Post-Test)	295
100.	Frequency Distribution of Marks of the Final Achievement	297
100.	Test (Post-Test)	291
101	Mean of Prerequisite and Unit Tests	304
102	Comparative Analysis of Pre-Test, Pilot Test and Post-	308
102	Test	
103	't' Value for Pre-Test and Post-Test	341