LIST OF TABLES



3.1 Sample Split for the Experimentation 68
3.2 Split-Half Reliabilities on the Fennema-Sherman MathematicsAttitudes Scales 74
3.3 Weightage to Content 91
3.4 Weightage to Objectives 12
3.5 Weightage to Difficulty Level 93
3.6 Blue Print of the Achievement Test 94
3.7 Reliability Index 95
4.1 ANOVA of Achievement Scores of Students in Experimental Groups and Control Group 109
4.2 ANCOVA of Achievement Scores of Students in Experimental Groups and Control Group110
4.3 Adjusted Means and t value of Achievement score of Students in Experimental Groups and Control Group 111
4.4 ANOVA of Achievement Scores of Students in Experimental Group I and Control Group I115
4.5 ANCOVA of Achievement Scores of Students in Experimental Group I and Control Group I 116
4.6 Adjusted Means and t value of Achievement score of Students in Experimental Group I and Control Group I117
4.7 ANOVA of Achievement Scores of Students in Experimental Group II and Control Group II 121

- 4.8 ANCOVA of Achievement Scores of Students in Experimental
Group II and Control Group II122
- 4.9 Adjusted Means and t value of Achievement score of Students in Experimental Group II and Control Group II123
- 4.10 ANOVA of Achievement Scores of Students in Experimental Group III and Control Group III 127
- 4.11 ANCOVA of Achievement Scores of Students in Experimental Group III and Control Group III 128
- 4.12 Adjusted Means and t value of Achievement score of Students in Experimental Group III and Control Group III 129
- 4.13 Summary of Analysis of the Achievement Scores of Ability Groups over Mixed Ability Group 135
- 4.14 Mean, Standard Deviation and t-test of significance of theAttitude Test Scores of Students in Experimental Group I 137
- 4.15 Mean, Standard Deviation and t-test of significance of the Attitude Test Scores of Students in Experimental Group II 139
- 4.16 Mean, Standard Deviation and t-test of significance of the Attitude Test Scores of Students in Experimental Group III 142
- 4.17 Summary of Analysis of the Attitude Scores in Ability Groups 146
- 4.18 ANOVA of Attitude Scores of Students in Experimental Groups and Control Group 149
- 4.19 ANCOVA of Attitude Scores of Students in Experimental Groups and Control Group 149

- 4.20 Adjusted Means and t value of Attitude score of Students in Experimental Groups and Control Group 150
- 4.21 ANOVA of Attitude Scores of Students in Experimental Group I and Control Group I 153
- 4.22 ANCOVA of Attitude Scores of Students in Experimental Group I and Control Group I 154
- 4.23 Adjusted Means and t value of Attitude score of Students in Experimental Group I and Control Group I 155
- 4.24 ANOVA of Attitude Scores of Students in Experimental Group II and Control Group II 158
- 4.25 ANCOVA of Attitude Scores of Students in Experimental Group II and Control Group II 159
- 4.26 Adjusted Means and t value of Attitude score of Students in Experimental Group II and Control Group II 160
- 4.27 ANOVA of Attitude Scores of Students in Experimental Group III and Control Group III 163
- 4.28 ANCOVA of Attitude Scores of Students in Experimental Group III and Control Group III 164
- 4.29 Adjusted Means and t value of Attitude score of Students in Experimental Group III and Control Group III 165
- 4.30 Summary of Analysis of Attitude Scores in Ability Groups over Mixed Ability Group 170

xiv