

LIST OF TABLES

TABLE NO.		PAGE
3.1	Break up of Sample	: 97
3.2	Selected Sample and Responded Sample	: 103
4.1	Old and New School	: 121
4.2	Average Class-size	: 121
4.3	Qualified Science Teachers	: 124
4.4	Schools where Teachers Without Science Background Teaching Science	: 124
4.5	Shortage of Science Teachers in the Schools	: 128
4.6	Supervision of Schools by Inspectors	: 130
4.7	Three Years' Average Result of S.S.C. Examination in Science	: 133
4.8	Awareness of the School-Heads about the Suggestion of BNCSC for the Implementation of Science Syllabus	: 133
4.9	Allotment Periods for Science Teaching	: 136
4.10	Duration of a Science Period	: 138
4.11	Science Laboratory in the School	: 141
4.12	Planned and Ordinary Laboratory	: 144
4.13	School Laboratory with Water, Gas and Electricity Supply	: 146
4.14	School Laboratory with Darkroom, Aquarium, Botanical Garden and Agricultural Plot	: 149
4.15	Adequacy of Laboratory Furniture	: 152
4.16	Adequacy of Science Apparatus, Chemicals and other Allied Materials in the School Laboratory	: 154
4.17	Availability of Mechanical Aids in Teaching Science	: 157

TABLE NO.		PAGE
4.18	Adequacy of Models, Sketch, Diagrams, Charts, etc., for Science Teaching in Schools	: 159
4.19	School Library and Average Number of Books on Science	: 161
4.20	Schools Subscribing to Science Journals, Magazines, Periodicals etc.	: 164
4.21	Schools with Broadcasting Unit	: 164
4.22	Financial Status of the School.	: 168
4.23	Distribution of Schools in accordance with Annual Budgets for Science Education:	170
4.24	Adequacy of the Amount Provided in the School Budget for Science Education	: 173
4.25	Academic Qualifications of Science Teachers	: 178
4.26	Academic Grades of Science Teachers	: 182
4.27	Trained Science Teachers	: 184
4.28	Average Age and Teaching Experience of Science Teachers	: 187
4.29	Average Weekly Teaching Load of Science Teachers	: 190
4.30	Teachers Majoring in Physical and Biological Sciences	: 190
4.31	Rating of the Methods used in Teaching Science in the Schools	: 195
4.32	Rating of the Teaching Aids used in the Classroom	: 198
4.33	The Nature of Laboratory Exercises provided to Students.	: 202
4.34	Status of Laboratory Practical	: 204
4.35	Inhibiting Causes of Non-pursuance of Discovery & Inquiry Approach in Teaching Science	: 206

TABLE NO.		PAGE
4.36	The Types of Cocurricular Activities Practice in the Schools.	: 209
4.37	Purpose(s) of Evaluation of Science Achievement	: 212
4.38	Frequency of Examinations held for Evaluation of Science Achievement	: 215
4.39	Types of Questions used	: 217
4.40	Rating Scores and Average Rating of the Problems in order of Rank	: 220
4.41	Rating Scores & Average Ratings of the Science Textbooks	: 231
4.42	Exercises and Types of Questions	: 249
4.43	Cognitive Level Questions of the End-of-the Chapter Exercises	: 251
4.44	The Space used to Cover Text, Illustration and Exercise	: 253
5.1	Coefficient of Correlation between Achievement & Attitude Scores, School 'A'	: 265
5.2	Coefficient of Correlation between Science and Attitude Score, School 'B'	: 273
5.3	Coefficient of Correlation between Achievement Scores of Science and Attitude Scores, School 'C'	: 281
5.4	Coefficient of Correlation between the Achievement Scores of Science and Attitude, School 'D'	: 290
5.5	Coefficient of Correlation between Achievement Scores in Science and Attitude Scores, School 'E'.	: 297
5.6	Coefficient of Correlation between Science Achievement and Attitude Scores, School 'F'	: 308
5.7	Coefficient of Correlation between Science Achievement and Attitude Scores, School 'G'	: 315
5.8	Coefficient of Correlation between Science Achievement and Attitude Scores, School 'H'	: 323

TABLE NO.		PAGE
5.9	Coefficient of Correlation between Science Achievement and Attitude Scores, School 'I' :	331
5.10	Coefficient of Correlation between Science Achievement and Attitude Scores, School 'J' :	338