CONTENTS

Acknowledgment (i)
Contents (ii-v)
List of Tables (vi-viii)
List of Figures (ix-xiii)

CHAPTER-I INTRODUCTION 1-30

1.1 Meaning of Science
1.2 Attitudes
1.3 Scientific Attitude
1.4 Components of Scientific Attitude
1.5 Factors Influencing the Development of Attitudes
1.6 Objectives of Science Teaching and Scientific Attitude
1.7 Statement of the Problem
1.8 Objectives of the study
1.9 Delimitations of the problem
1.10 Operational Definitions of the Terms Used
1.11 Need and Importance of the Study
1.12 Organization of the Research Report

CHAPTER-II CONCEPTUAL FRAMEWORK OF THE VARIABLES 31-70

2.1 Personality
2.2 Intelligence
2.3 Achievement
2.4 Achievement Motivation
2.5 Interest in Science
2.6 Attitudes
2.7 Parent Child Relationship
2.8 Background Variables
2.8.1 Sex differences
2.8.2 Medium of Instruction
2.8.3 Type of management

CHAPTER-III REVIEW OF RELATED LITERATURE AND HYPOTHESES

3.1 Studies on Attitude in General
3.2 Studies on Personality
3.3 Studies on Scientific Attitude and its Relationship with Intelligence and Academic Achievement
3.4 Studies on Scientific Attitude and its Relationship with Achievement Motivation
3.5 Studies on Scientific Attitude and its Relationship with Interest in Science Subjects.
3.6 Studies on Scientific Attitude and its relationship with Attitude Towards Education and Parent Child Relationship.
3.7 Studies on Scientific Attitude and Its Relationship with Background Variables.
3.8 Hypotheses
CHAPTER-IV : METHOD AND PROCEDURE 87-101

4.1 Design
4.2 Sample
4.3 Tools used
   4.3.1 Scientific Attitude Scale (Kaur, 2002)
   4.3.2 16PF Questionnaire (Cattell and Eber, Indian Adaptation by Kapoor and Tripathi, 1981)
   4.3.3 Group Test of General Mental Ability (Tandon, 1971)
   4.3.4 Achievement in Science
   4.3.5 Achievement Motivation Scale (Deo and Mohan, 1985)
   4.3.6 Science Interest Test (Dubey and Dubey, 1992)
   4.3.7 Attitude Towards Education Scale (Chopra, 1982)
   4.3.8 Parent Child Relationship Scale (Rao, 1989)
4.4 Data Collection
4.5 Statistical Techniques Used

CHAPTER-V : NATURE OF SCORE DISTRIBUTION 102-155

CHAPTER-VI : ANALYSIS OF DATA AND DISCUSSION OF RESULTS 156-179

CHAPTER-VII : SUMMARY, CONCLUSIONS AND SUGGESTIONS FOR FURTHER RESEARCH 180-199

7.1 Introduction
7.2 Rationale of the problem
7.3 Statement of the problem
7.4 Objectives of the study
7.5 Hypotheses
7.6 Delimitations of the study
7.7 Design of the study
7.8 Method of the study
7.9 Sample
7.10 Tools
7.11 Statistical techniques
7.12 Definitions and explanation of the terms used
7.13 Need and importance of the study
7.14 Conclusions
7.15 Educational Implications
7.16 Suggestions for Further Research

**Bibliography**

Appendices

200-214