

TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENT	11
LIST OF TABLES	viii
LIST OF GRAPHS	xii
CHAPTER I INTRODUCTION	1
- Need for the Present Study	3
- Scope of the Present Investigation	5
- Individual Versus Group Tests	8
- Verbal Versus Non-Verbal Tests	11
II MEASUREMENT OF INTELLIGENCE: A LOOK BACK	16
- Physical Measures of Intelligence	16
- Sensory Tests	20
- Motor Tests	21
- Mental Faculties	22
- Early American Attempts	24
- Early European Attempts	26
- Binet-Simon Scale	27
- Some Salient Features of the Scale	29
- Limitations of the Scale	30

	PAGE
- Revisions of Binet-Simon Scale	31
- Attempts in India	32
III INTELLIGENCE AND ITS MEASUREMENT	39
- Definitions of Intelligence	40
- Theories of Intelligence	47
- Faculty Theory of Binet	48
- Spearman's Concept of Intelligence	49
- Criticism of the Two Factor Theory	52
- Thomson Sampling Theory of Mental Organization	54
- Thorndike - a Single Factor Theory	54
- Group Factor Theories of Hull and Kelley	55
- Hierarchical Group Factor Theory of Burt	56
- Thurstone's Concept of Intelligence	57
- What Intelligence Tests Measure	58
- The Present Investigation	63
IV PLANNING AND PREPARING THE TESTS	65
- Study of Tests Available	66
- Choice of the Subtests	67

	PAGE
- Choice of Age Range	71
- Sample	72
- Some Other Points	76
- Scoring	77
- Construction of Items	79
- Processing the Items	81
 V PILOT TESTING	 84
- Administration of the Pilot Test	85
- Instructions for the Test	88
- Timing the Test	89
- Difficulty Values of the Items	90
- The Discriminating Index of Each Item	104
- Fixing the Age Range	106
- Change in the Items	114
 VI THE FINAL RUN OF THE TESTS	 117
- The New Gujarat State	118
- Educational Set up of the Gujarat State	120
- Compulsory Primary Education	120
- Basic Schools	123
- Pupils in Basic Schools	124

	PAGE
- Villages with and without Schools	125
- Languagewise Distribution of Primary Schools	126
- Enrolment of Scholars Accord- ing to Age Groups	128
- Sample Selection for the Final Testing	129
- Districts of the State	130
- Schools Included in the Sample	133
- Validity of the Sample	142
- Programme of Testing	145
VII STANDARDIZATION PROCEDURE	148
- Statistical Analysis of the Test Results	149
- Reliability of the Statistics	152
- Reliability of the Test	161
- Validity of the Test	171
- Factor Analysis	179
- Spearman's Method of Determin- ing 'g' Saturations of the Tests	185
- Fixing the Norms	189
- Ready Reckoner for IQs	192
- Decile Points of Raw Scores	196
- Classification of Pupils	198

	PAGE
VIII OBITER DICTA	203
- Intelligence and Sex	204
- Rural and Urban Differences in Intelligence	208
- Relation Between the Occupations of Fathers and IQs of the Pupils	215
IX RETROSPECT AND PROSPECT	219
- Possible Uses of the Test	220
- The Place of Intelligence Tests in India	222
- Limitations of the Present Work	224
- Suggestions for Further Research	225
BIBLIOGRAPHY	227
APPENDIX A A COPY OF THE PILOT TEST	231
B A COPY OF THE FINAL TEST WITH ITS KEY	245