

TABLE OF CONTENTS

CHAPTER	PAGE
I : INTRODUCTION	1 - 32
1.0.0 Rationale of the Study ..	1
1.1.0 Definitions of Creativity ..	8
1.1.1 The Creative Product Approach ..	10
1.1.2 The Creative Process Approach ..	11
1.1.3 The Creative Person Approach ..	15
1.1.4 The Creative Situation Approach..	18
1.2.0 Statement of the Problem ..	24
1.3.0 Objectives of the Study ..	29
1.4.0 Definitions of the Key Terms and Variables Used ..	30
II : REVIEW OF RELATED LITERATURE ..	33 - 73
2.0.0 Introduction ..	33
2.1.0 Studies Abroad ..	36
2.1.1 Studies Based on Flexible Programmed Instruction ..	36
2.1.2 Studies on Purdue Creative Thinking Programme ..	39
2.1.3 Studies on Creative Problem Solving	44
2.1.4 Some Special Studies on Fostering Creativity ..	46
2.1.5 An Overview ..	60
2.2.0 Creativity Researches in India ..	65
2.2.1 Studies on Brainstorming and Related Techniques ..	66
2.2.2 Studies on William's Model ..	67
2.2.3 Some Special Studies on Fostering Creativity ..	67
2.2.4 An Overview ..	70
2.3.0 Implications of Related Researches for the Present Study ..	71
2.4.0 Hypotheses ..	72

CHAPTER	PAGE
III : METHODOLOGY ..	74 - 90
3.010 Introduction ..	74
3.1.0 Norms Development Study ..	75
3.1.1 Sample ..	75
3.1.2 Procedure ..	75
3.1.3 Descriptive Statistics ..	76
3.2.0 Development of Verbal Creativity Instructional Materials ..	77
3.2.1 The Formative Evaluation ..	77
3.2.2 Finding the Content Validity of Instructional Materials ..	78
3.2.3 Finding the Suitability of Words and Phrases ..	79
3.3.0 Pilot Study ..	80
3.3.1 Design of the Pilot Study ..	81
3.3.2 Sample ..	81
3.3.3 Tools Used ..	82
3.3.4 Experimental Procedure ..	83
3.3.5 Analysis of Data ..	83
3.4.0 The Summative Evaluation ..	84
3.4.1 Design of the Validation Study ..	85
3.4.2 Sample ..	86
3.4.3 Tools Used ..	86
3.4.4 Experimental Procedure ..	88
3.4.5 Analysis of Data ..	89
IV : DEVELOPMENT OF VERBAL CREATIVITY INSTRUCTIONAL MATERIALS AND THEIR VALIDATION ..	91 - 151
4.0.0 Introduction ..	91
4.0.1 A Short Review of the Five Models	93
4.1.0 Assumptions ..	99
4.1.1 Characteristics of Verbal Creativity Instructional Materials ..	101

CHAPTER		PAGE
IV	4.1.2 Selection of Components ..	106
	4.1.3 Writing of First Chapter and Stories ..	112
	4.1.4 Selection of Puzzles, Riddles, etc., for inclusion in the Instructional Materials ..	116
	4.2.0 Formative Evaluation ..	117
	4.2.1 Finding the Content Validity of Instructional Materials ..	119
	4.2.2 Finding the Suitability of Words and Phrases in the Instructional Materials ..	120
	4.2.3 Development of Norms for the Passi Tests of Creativity on Standard VI Children of Bangalore District, Karnataka. ..	120
	4.2.3.1 The Procedure ..	122
	4.2.3.2 Sample ..	122
	4.2.3.3 Analysis ..	123
	4.3.0 Pilot Study ..	125
	4.3.1 Instrumentation ..	125
	4.3.2 Selection of Schools and Orientation Programme for Teachers ..	127
	4.3.3 Pre-Test ..	127
	4.3.4 Treatment ..	128
	4.3.5 Post-Test ..	130
	4.3.6 Analysis and Interpretation of Quantitative Data ..	130
	4.3.7 Analysis of Qualitative Data ..	133
	4.3.8 An Overview of Formative Evaluation	135
	4.4.0 Summative Evaluation ..	137
	4.4.1 Instrumentation ..	139
	4.4.2 Selection of Schools ..	142
	4.4.3 Pre-Test ..	144

CHAPTER	PAGE
IV 4.4.4 Administration of Verbal Creativity Instructional Materials ..	146
4.4.5 Post-Test ..	150
4.4.6 Scoring of the Tests ..	151
4.4.7 Mode of Analysis ..	151
V : ANALYSIS AND INTERPRETATION OF DATA ..	155 - 232
5.0.0 Introduction ..	155
5.0.1 Preliminary Considerations ..	156
5.1.0 Creativity Test Data ..	161
5.1.1 Discussion of Distributions ..	162
5.1.2 Students' 't' Test and Wilcoxon Test ..	165
5.1.2.1 Hypothesis No.1 ..	167
5.1.2.2 Hypothesis No.2 ..	170
5.1.2.3 Hypothesis No.3 ..	172
5.1.2.4 Hypothesis No.4 ..	174
5.1.2.5 Hypothesis No.5 ..	177
5.1.2.6 Hypothesis No.6 ..	179
5.1.2.7 Hypothesis No.7 ..	181
5.1.2.8 Hypothesis No.8 ..	183
5.1.2.9 Hypothesis No.9 ..	185
5.1.2.10 Hypothesis No.10 ..	187
5.1.2.11 Information Contained in the Cells with $N < 8$..	189
5.2.0 Correlational Data ..	189
5.3.0 Creativity Rating Scale Data ..	191
5.4.0 Reaction Questionnaire Data ..	194
5.4.1 Introduction ..	194
5.4.2 Story with Consequences Situations	196
5.4.3 Story with Puzzle Solving ..	197
5.4.4 Story with Riddle Solving ..	199
5.4.5 Story with Divergent Problems ..	201

CHAPTER		PAGE
V	5.4.6 A New Approach to Solving Mysteries ..	203
	5.4.7 Children's Story Competition ..	204
	5.4.8 Story with Poem Writing ..	206
	5.4.9 Story with Riddle Construction ..	207
	5.4.10 Summative Interpretation of Reaction Questionnaire Data ..	209
	5.5.0 Interview Data of Students ..	213
	5.5.1 Interpretation of Students' Interview Data ..	218
	5.6.0 Interview Data of Parents ..	220
	5.6.1 Interpretation of Parents' Interview Data ..	225
	5.7.0 Data Analysis Where Hypothesis Testing could Not be Applied ..	228
VI	: DISCUSSION OF RESULTS ..	233 - 265
	6.0.0 Introduction ..	233
	6.0.1 Covariance Analysis ..	234
	6.1.0 On Hypotheses ..	235
	6.1.1 Hypothesis 1 on Levels of Creative Potential ..	235
	6.1.2 Hypothesis 2 on Levels of Socio-Economic Status ..	238
	6.1.3 Hypothesis 3 on Rural-Urban Back- grounds ..	240
	6.1.4 Hypothesis 4 on Sex of Students ..	243
	6.2.0 Hypothesis 5 Through 10 ..	249
	6.2.1 Levels of Creative Potential X Levels of Socio-economic Status ..	249
	6.2.2 Levels of Creative Potential X Rural- Urban Backgrounds. ..	251
	6.2.3 Sex X Levels of Creative Potential ..	252
	6.2.4 Rural-Urban Backgrounds X Levels of Socio-Economic Status ..	253

CHAPTER	PAGE
VI	
6.2.5 Sex X Levels of Socio-Economic Status ..	255
6.2.6 Sex X Rural-Urban Backgrounds ..	256
6.3.0 On Correlation Between Comprehension Test and Pre-Test Creativity Scores..	257
6.4.0 On Appropriateness of Instructional Materials to Foster Creativity ..	259
6.5.0 An Overview ..	262
VII : SUMMARY AND CONCLUSIONS ..	266 - 281
7.0.0 Introduction ..	266
7.0.1 The Problem ..	268
7.1.0 Objectives of the Study ..	269
7.1.1 Hypotheses ..	269
7.2.0 Methodology ..	270
7.2.1 Objective 1 Realisation ..	270
7.2.2 Objective 2 Realisation ..	271
7.2.2.1 Characteristics of the Verbal Creativity Instructional Materials	271
7.2.2.2 Finding the Content Validity of the Instructional Materials ..	272
7.2.2.3 Finding the Suitability of Words and Phrases ..	272
7.2.2.4 Pilot Study ..	272
7.3.0 Validation Study ..	273
7.3.1 Design ..	273
7.3.2 Sample ..	274
7.3.3 Tools Used ..	275
7.3.4 Pre-Test ..	276
7.3.5 Treatment ..	276
7.3.6 Post-Test ..	277
7.3.7 Analysis ..	277
7.4.0 Conclusions ..	278
7.5.0 Suggestions for Further Research ..	280
BIBLIOGRAPHY ..	282 - 296
APPENDICES (As Listed Separately on p. 297 ..	297 - 431