

LIST OF CONTENTS

	Pages
Acknowledgements	(ii)
List of Contents	(iv)
List of Tables	(viii)
List of Figures	(xiii)
 CHAPTER ONE INTRODUCTION	 1-24
Delimitations of the Study	22
Organization of chapters of the Report	23
 CHAPTER TWO THEORETICAL VIEWS AND RELATED LITERATURE	 25-66
Academic Achievement	25
Intelligence and Achievement	27
Creativity and Academic Achievement	44
Hypotheses	62
Operational Definitions of the Terms	64
 CHAPTER THREE METHOD AND PROCEDURE	 67-90
Design	67
Sample	69
Tools	72
Torrance Tests of Creative Thinking	72
Verbal Tests of Creative Thinking	73
Figural Tests of Creative Thinking	76
The Group Test of General Mental Ability	81
Raven's Standard Progressive Matrices: A, B, C, D&E	
And Raven's Coloured Matrices: Sets A, Ab&B	82
Measures of Academic Achievement	85
Collection of Data	86
Statistical Techniques	88

CHAPTER FOUR	DESCRIPTION OF DATA	...	...	91-107
	Concrete Operational Stage:			
	Normality	...	...	93
	Linearity	...	...	98
	Formal Operational Stage:			
	Normality	...	...	101
	Linearity	...	...	105
CHAPTER FIVE	RELATIONSHIP OF CREATIVITY AND INTELLIGENCE WITH ACADEMIC ACHIEVEMENT..	...	...	108-132
	Product-Moment Correlations between Creativity and Achievement:			
	Concrete Stage	...	...	109
	Formal Operational Stage...		...	115
	Product-Moment Correlations between Intelligence and Achievement:			
	Concrete Stage	...	...	120
	Formal Operational Stage...		...	122
	Comparisons of Creativity-Achievement and Intelligence-Achievement Relationship at Concrete and Formal Operational Stages	...	...	124
CHAPTER SIX	RELATIONSHIP OF ACHIEVEMENT INDEPENDENT OF INTELLIGENCE WITH CREATIVITY AND ACHIEVEMENT INDEPENDENT OF CREATIVITY WITH INTELLIGENCE	...	...	133-187
	Creativity and Intelligence-Free Achievement at concrete operational Stage	...	...	143
	Creativity and Verbal Intelligence-Free Achievement	...	...	144
	Creativity and Non-verbal Intelligence Free Achievement	...	...	149
	Intelligence and Creativity Free Achievement at Concrete operational stage	...	...	157
	Verbal and Non-verbal Intelligence and Verbal Creativity-Free Achievement	...	...	157
	Verbal and Non-verbal Intelligence and Figural Creativity-Free Achievement	...	...	161

Creativity and Intelligence-Free Achievement ... at Operational stage.	166
Creativity and Verbal Intelligence-Free Achievement ...	166
Creativity and Non-verbal Intelligence-Free Achievement ...	171
Intelligence and Creativity-Free Achievement at Formal Operational Stage ...	178
Verbal and Non-Verbal Intelligence and Verbal Creativity-Free Achievement ...	179
Verbal and Non-Verbal Intelligence and Figural Creativity-Free Achievement ...	182
CHAPTER SEVEN PREDICTIVE EFFICIENCY OF CREATIVITY AND INTELLIGENCE FOR ACADEMIC ACHIEVEMENT ...	188-226
Academic Achievement as Predicted by Creativity ...	191
Academic Achievement as Predicted by Intelligence ...	195
Comparisons of Predictive efficiency of Creativity and Intelligence towards Academic Achievement ...	199
Conjoint Predictability of Creativity and Intelligence for Academic Achievement ...	205
When Creativity is taken as the first Stepping-up Variable ...	205
When Intelligence is taken as the first Stepping-up variable ...	221
CHAPTER EIGHT ACADEMIC ACHIEVEMENT WITHIN THE PERSPECTIVE OF CONVERGENT-DIVERGENT ABILITIES ...	227-271
Factor-Analysis of Concrete Operational Stage...	229
Factor I ...	234
Factor II ...	238
Factor III ...	241
Factor IV ...	244
Factor-Analysis at Formal Operational Stage ...	251
Factor I ...	255
Factor II ...	257
Factor III ...	260
Factor IV ...	263

CHAPTER NINE	INTERACTIONAL DIMENSIONS IN CREATIVITY AND INTELLIGENCE ON ACHIEVEMENT.	...	272-305
CHAPTER TEN	SUMMARY AND CONCLUSIONS	...	306-331
	Introduction	...	306
	Method	...	310
	Sample	...	310
	Tools	...	311
	Statistical Techniques	...	311
	Results and Conclusions	...	313
	Correlations	...	313
	Predictions	...	319
	Factor Analysis	...	323
	Analysis of Variance	...	326
	General Conclusions and Educational Implications..		329
	BIBLIOGRAPHY	...	332-375
APPENDICES:			
	Appendix I		
	Appendix II		
	Appendix III		
