

## CONTENTS

	Page
ACKNOWLEDGEMENTS . . . . .	ii - iv
TABLE OF CONTENTS . . . . .	v - ix
LIST OF TABLES . . . . .	x - xii
LIST OF FIGURES . . . . .	xiii
 CHAPTER - I : BACKGROUND OF THE STUDY	 2 - 38
1.1 Introduction	3
1.2 Nature and Concept of Teaching	3 - 9
1.3 Components of Teaching	9 - 10
1.4 Methods of Teaching - A Historical Perspective	10 - 14
1.5 Emergence of Models of Teaching	14 - 15
1.6 Concept of Models of Teaching	15 - 19
1.7 Classification of Models of Teaching	19 - 22
1.8 Basic Procedures for Implementation of a Model	22 - 25
1.9 Rationale of the Study	25 - 32
1.10 Statement of the Problem	32
1.11 Explanation of Terms	33 - 35
1.12 Objectives of the Study	35 - 36
1.13 Hypotheses of the Study	36 - 37
1.14 Delimitations of the Study	37
1.15 Summary	37 - 38
 CHAPTER - II : THEORETICAL FRAMEWORK	 39 - 71
2.1 Introduction	40 - 41
2.2 Principal Kinds of Learning	41 - 43
2.3 Nature and Concept of Meaningful Learning	43 - 45
2.4 Kinds of Meaningful Reception Learning	45 - 47
2.5 Assimilation Theory	47 - 53
2.6 Active Reception Learning	53 - 54
2.7 Meaningful Reception Learning and Meaningful Retention	54 - 55
2.8 Meaningful Learning and Organization of Subject Matter	55 - 56
2.9 Nature of a Concept Map or Conceptual Structure	56 - 57
2.10 Features of a Concept Map	57 - 58
2.11 Progressive Differentiation and Integrative Reconciliation	58 - 61

2.12	Advance Organizer	61 - 63
2.13	Advance Organizer Model of Teaching	64
2.14	Description of Advance Organizer Model	64 - 69
2.15	Instructional and Nurturant Effects	69
2.16	Summary	69 - 71
CHAPTER - III : REVIEW OF RELATED LITERATURE		72 - 123
3.1	Introduction	73 - 74
3.2	Advance Organizer Studies at the Primary School Level	74 - 79
3.3	Advance Organizer Studies at the Middle School Level	79 - 86
3.4	Advance Organizer Studies at the High School Level	86 - 102
3.5	Advance Organizer Studies at the College Level	102 - 112
3.6	Advance Organizer Studies at the Teacher Training Level	112 - 119
3.7	Major Trends Emerging out of the Review of Researches on Advance Organizer	119 - 121
3.8	The Place of the Present Study in the Context of Researches Reviewed	121 - 122
3.9	Summary	123
CHAPTER - IV : METHODOLOGY OF THE STUDY		124 - 153
4.1	Introduction	125 - 126
4.2	Design of the Study	126 - 128
4.3	Variables of the Study	128 - 130
4.4	Sample	131 - 133
4.5	Identification and Selection of Teachers	133 - 134
4.6	Selection of Teaching Subject	134-135
4.7	Tools Used in the Study	135 - 137
4.8	Preparations for the Experiment	137 - 141
4.9	Conducting the Experiment	142 - 145
4.10	Procedures for Data Collection	145 - 150
4.11	Procedures for Analysis of Data	150 - 151
4.12	Summary	151 - 153

CHAPTER - V :	DEVELOPMENT OF THE TOOLS	154 - 202
5.1	Introduction	155 - 156
5.2	Tests on Conceptual Structures	156 - 163
5.3	Tests on Meaningful Assimilation of Information and Ideas	164 - 170
5.4	Test on Interest in Inquiry	170 - 182
5.5	Test on Habits of Precise Thinking	182 - 198
5.6	Retention Test on Meaningful Assimilation of Information and Ideas	198 - 200
5.7	Reaction Scale to Study Students' Reactions Towards Advance Organizer Model	200 - 201
5.8	Summary	201 - 202
CHAPTER - VI :	ANALYSIS AND INTERPRETATION	203 - 238
6.1	Introduction	204 - 205
6.2	Comparison Between Experimental and Control Groups on the Development of Conceptual Structures	205 - 219
6.3	Comparison Between Experimental and Control Groups on Meaningful Assimilation of Information and Ideas	219 - 224
6.4	Comparison Between Experimental and Control Groups on Interest in Inquiry	224 - 227
6.5	Comparison Between Experimental and Control Groups on Habits of Precise Thinking	227 - 230
6.6	Comparison Between Experimental and Control Groups on Retention of Meaningful Assimilation of Information and Ideas	230 - 234
6.7	Studying Students' Reactions Towards Advance Organizer Model of Teaching	234 - 237
6.8	Summary	237 - 238
CHAPTER - VII :	CONCLUSION AND DISCUSSION	239 - 261
7.1	Introduction	240 - 244
7.2	Summary of Results	244 - 246
7.3	Major Findings of the Study	247

	7.4	Discussions and Implications	247 - 258
	7.5	Suggestions for Further Research	258 - 259
	7.6	Concluding Remarks	260 - 261
BIBLIOGRAPHY	...	....	262 - 290
APPENDICES	...	....	291 - 385
APPENDIX	A.	Unit Tests on Conceptual Structures	292 - 293
	B.	Comprehensive Test on Development of Conceptual Structures	294
	C.	List of Terminal Behaviours	295 - 300
	D.	Unit Tests on Meaningful Assimilation of Information and Ideas	301 - 317
	E.	Comprehensive Test on Meaning- ful Assimilation of Information and Ideas	318 - 324
	F.	Test on Interest in Inquiry (Tryout Form)	325 - 334
	G.	Test on Interest in Inquiry (Final Form)	335 - 341
	H.	Test on Habits of Precise Thinking (Tryout Form)	342 - 355
	I.	Test on Habits of Precise Thinking (Final Form)	356 - 364
	J.	Reaction Scale	365
	K.	Theory Checkup for the Advance Organizer Model	366 - 369
	L.	Teaching Analysis Guide for Advance Organizer Model	370 - 374
	M.	Lesson Plan No.1	375 - 379

N.	Samples of Concept Maps Developed by the Researcher	380 - 381
O.	Samples of Concept Maps Developed by the Students	382 - 385