

C O N T E N T S

PAGE NO.

ACKNOWLEDGEMENT	:	i
CONTENTS	:	ii
LIST OF TABLES	:	viii
LIST OF FIGURES	:	ix

CHAPTER

I	INTRODUCTION	:	1 - 26
	1.1 Teacher Education	:	2
	1.2 Traditional Practice Teaching- Short comings	:	5
	1.3 Concept of Teaching	:	10
	1.3.1 Teaching and Teacher Behaviour	:	13
	1.3.2 Effective Teaching Behaviour	:	15
	1.4 Teacher Training	:	17
	1.4.1 The Strategy of the Study of Teacher Behaviour	:	19
	1.5 Classroom Transactions — The need:	:	20
	1.6 Training of Teachers - A Break Through	:	20
	1.7 Analysis of Classroom Transactions	:	21
	1.8 Need for Future work	:	23
	1.9 The Present Study	:	25
II	REVIEW OF LITERATURE	:	27 - 54
	2.1 Introduction	:	27
	2.2 Early Researches	:	29

<u>CHAPTER</u>		<u>PAGE NO.</u>
	2.3 Teacher Effectiveness	: 31
	2.3.1 Efforts with Little Success	: 31
	2.3.2 Growing Consciousness	: 32
	2.4 Review of Reviews	: 34
	2.4.1 Systematic Observation	: 35
	2.4.2 Experimental Studies	: 38
	2.4.3 Pre-Service and In-Service Teacher Training	: 39
	2.4.4 Classroom Experiments in Indirect Teaching	: 40
	2.4.5 Pre Sage and Process Variable	: 41
	2.4.6 Conclusion	: 42
	2.5 Studies in India	: 43
	2.5.1 Presage Studies	: 44
	2.5.2 Process Studies	: 44
	2.5.3 Presage - Process Studies	: 45
	2.5.4 Process-Product Studies	: 47
	2.5.5 Presage-Process - Product Studies	: 49
	2.6 Review of Literature and The Present Study	: 52
	2.6.1 Conceptual Frame-work	: 52
III	PROBLEM AND PROCEDURE	: 55 - 87
	3.1 Statement of the Problem	: 55
	3.2 Objectives of the Study	: 55
	3.3 Hypotheses	: 57
	3.4 Delimitation of the Study	: 57
	3.5 Definition of the Terms Used	: 58
	3.5.1 Transaction	: 58
	3.5.2 Positive Strokes	: 58

<u>CHAPTER</u>		<u>PAGE NO.</u>
3.5.3	Negative Strokes	: 58
3.5.4	Transactions in the Classroom	: 58
(1)	Transactional Analysis	: 59
(2)	The Analysis of Classroom Transactions	: 59
3.5.5	Training	: 60
3.5.6	Science Student-Teacher	: 60
3.5.7	Classroom	: 61
3.5.8	Teacher Behaviour	: 61
3.6	Design of the Study	: 61
3.6.1	Stage-I Pilot-Study	: 61
3.6.2	Stage-II The Final Experiment	: 63
3.7	Sample	: 64
3.7.1	Student Sample	: 65
3.8	Tools and Treatment	: 65
3.8.1	Analysis of Classroom Transactions (ACTs)	: 65
3.8.2	Recording Transaction	: 72
3.8.3	Observer Training and Reliability	: 73
3.8.4	Preparation of an Analysis of Classroom Transaction Matrix	: 74
3.8.5	Principal Components of Transactions:	78
(1)	Ratios	: 78
(2)	Percentages	: 80
(3)	Graphic Presentation	: 80
3.8.6	Sequence of Events in Transaction Training	: 81
3.8.7	Stage-I Pilot-Study	: 81

<u>CHAPTER</u>		<u>PAGE NO.</u>
	3.8.8 Stage-II The Final Experiment	: 82
	(1) Phase-1 Theoretical Orientation	: 83
	(2) Phase-2 Classroom Observation Training and Practice in Use of Transactions Categories in Simulation	: 83
	(3) Phase-3 Practice Teaching in Classrooms	: 84
	3.9 Measures for Analysis	: 85
	3.9.1 Observer-Reliability	: 85
	3.9.2 Matrix	: 86
	3.9.3 Use of 't' test	: 87
IV	RESULT, DISCUSSION AND INTERPRETATION	: 88 - 120
	4.0 Introduction	: 88
	<u>SECTION - I</u>	
	4.1 Pilot Study Results	: 89
	4.1.1 Observer Reliability	: 89
	4.1.2 Pre-treatment and Post-treatment Matrices	: 89
	4.1.3 Comparision of Variables for Significance	: 89
	<u>SECTION - II</u>	
	4.2 Final Experiment Results	: 90
	4.2.1 Inter-Observer Reliability	: 90
	4.2.2 Comparision of Verbal Behaviour on Variables	: 90
	4.2.3 Comparision of Variables for Significance	: 90
	4.2.4 Modification of Verbal Behaviour on Variables at Different Stages	: 91

<u>CHAPTER</u>		<u>PAGE NO.</u>
4.3	Discussion of Results and Interpretation	: 91
4.3.1	Introduction	: 91
4.3.2	Hypotheses	: 91
4.4	Discussion of Pilot Study	: 92
4.4.1	Inter-Observer Reliability	: 92
4.4.2	Pre-treatment and Post-treatment Matrices	: 93
4.5	Discussion of Final Experiment	: 100
4.5.1	Inter-Observer Reliability	: 100
4.5.2	Comparison of Transaction Matrices	: 100
(1)	Ratios	: 102
(2)	Percentages	: 104
4.5.3	Effect of Transaction Training on Classroom Behaviour of Student-Teachers.	: 108
4.6	Overview	: 108
4.7	Modification of Classroom Verbal Behaviour	: 117
4.8	Conclusion	: 119
V	SUMMARY, CONCLUSIONS AND IMPLICATIONS	: 121 - 135
5.0	Introduction	: 121
5.1	Objectives	: 123
5.2	Hypotheses	: 124
5.3	Design of the Study	: 124
5.3.1	Stage-I Pilot-study	: 125
5.3.2	Stage-2 The Final Experiment	: 125

<u>CHAPTER</u>		<u>PAGE NO.</u>
5.4	Sample	: 126
5.4.1	Student Sample	: 127
5.5	Tools and Treatment	: 127
5.6	Measures for Analysis	: 127
5.7	Findings	: 128
5.8	Conclusions and Implications	: 128
5.9	Suggestions for Future Research	: 134
	REFERENCES	: 136 - 158
	APPENDICES	: 159 - 182