

CONTENTS

PARTICULARS	PAGE NO.
<i>Certificate</i>	<i>i</i>
<i>Declaration</i>	<i>ii</i>
<i>Dedication</i>	<i>iii</i>
<i>Acknowledgment</i>	<i>iv</i>
<i>Contents</i>	<i>vii</i>
<i>List of Tables</i>	<i>xvii</i>
<i>List of Graphs</i>	<i>xxv</i>
<i>Abbreviations</i>	<i>xxxix</i>

CHAPTER I CONCEPTUAL FRAMEWORK FOR THE PRESENT RESEARCH

1.1	INTRODUCTION	1
1.2	RESEARCH: CONCEPT, MEANING, AND IMPORTANCE	2
1.3	EDUCATIONAL RESEARCH: CONCEPT, MEANING, AND IMPORTANCE	3
1.4	SIGNIFICANCE OF THE EDUCATIONAL RESEARCH	4
1.5	NEED OF ANALYZING EDUCATIONAL RESEARCH	5
1.6	TREND ANALYSIS: CONCEPT AND MEANING, IMPORTANCE AND DIFFERENT METHODS	8
1.6.1	IMPORTANCE OF THE TREND ANALYSIS AND RESEARCH SYNTHESIS	9
1.6.2	DIFFERENT METHODS OF LOCATING TREND AND RESEARCH SYNTHESIS	10
1.7	SCENARIO OF EDUCATIONAL RESEARCH IN INDIA	17
1.8	EDUCATIONAL RESEARCH AT THE SCHOOL OF EDUCATION (SOE), DEVI AHILYA VISHWAVIDYALAYA, INDORE	19
1.9	RATIONALE FOR THE PRESENT STUDY	21
1.10	TITLE OF THE STUDY	25
1.11	OBJECTIVES OF THE STUDY	26
1.12	OPERATIONALIZATION OF THE TERMS	26

1.13	DELIMITATION OF THE STUDY	27
1.14	SCHEME OF CHAPTERIZATION	31

CHAPTER II

REVIEW OF RELATED LITERATURE

2.1	INTRODUCTION	33
2.2	STUDIES RELATED WITH TREND ANALYSIS AND RESEARCH SYNTHESIS	33
2.2.1	REVIEW OF RESEARCH STUDIES CONDUCTED IN INDIA	33
2.2.2	REVIEW OF RESEARCH STUDIES CONDUCTED ABROAD	42
2.3	IMPLICATIONS AND RESEARCH GAPS FROM THE REVIEW OF RELATED LITERATURE	51

CHAPTER III

METHODOLOGY OF RESEARCH

3.1	INTRODUCTION	55
3.2	METHODOLOGY OF THE STUDY	55
3.2.1	DESIGN OF THE STUDY	55
3.2.2	TOOL FOR THE PRESENT STUDY	55
3.2.3	PROCEDURE OF THE STUDY	56
3.2.4	DATA COLLECTION PROCEDURE	57
3.2.5	DATA ANALYSIS	57

CHAPTER IV

DATA ANALYSIS AND INTERPRETATION

4.1	INTRODUCTION	59
4.2	OBJECTIVE WISE ANALYSIS	59
4.3	ANALYSIS WITH RESPECT TO OBJECTIVE—1	59
4.4	ANALYSIS WITH RESPECT TO OBJECTIVE—2	60
4.4.1	ANALYSIS WITH RESPECT TO THE LEVEL OF RESEARCH AND YEAR	61
4.4.2	ANALYSIS WITH RESPECT TO THE AREA OF RESEARCH AND YEARS	64

4.4.2.1	ANALYSIS WITH RESPECT TO THE MAJOR AREA OF RESEARCH AND YEARS	64
4.4.2.2	ANALYSIS WITH RESPECT TO THE MINOR AREA OF RESEARCH AND YEAR	72
4.5	ANALYSIS WITH RESPECT TO OBJECTIVE—3	79
4.5.1	ANALYSIS REGARDING BASIC INFORMATION ABOUT THE RESEARCH	79
4.5.1.1	ANALYSIS WITH RESPECT TO THE GUIDE OF THE RESEARCH	80
4.5.2	ANALYSIS REGARDING PHYSICAL INFORMATION OF THE RESEARCH	85
4.5.2.1	ANALYSIS WITH RESPECT TO THE LANGUAGE OF THE RESEARCHES	85
4.5.2.2	ANALYSIS WITH RESPECT TO NUMBER OF PAGES IN THE RESEARCHES	86
4.5.2.3	ANALYSIS WITH RESPECT TO QUALITY OF THE PAPER	88
4.5.2.4	ANALYSIS WITH RESPECT TO QUALITY OF BINDING	90
4.5.2.5	ANALYSIS WITH RESPECT TO INDEX PREPARED	91
4.5.2.6	ANALYSIS WITH RESPECT TO NUMBER OF THE CHAPTERS	93
4.5.3	ANALYSIS REGARDING THE MAJOR AREA OF RESEARCHES	95
4.5.3.1	ANALYSIS OF RESEARCH WITH RESPECT TO MAJOR AND MINOR AREA OF RESEARCH	95
4.5.3.2	ANALYSIS WITH RESPECT TO LEVEL OF EDUCATION	95
4.5.3.3	ANALYSIS WITH RESPECT TO SUBJECTS	101
4.5.4	ANALYSIS REGARDING REVIEW OF RELATED LITERATURE	106
4.5.4.1	ANALYSIS WITH RESPECT TO THE NUMBER OF STUDIES REVIEWED IN RESEARCH	107
4.5.4.2	ANALYSIS WITH RESPECT TO THE TIME SPAN OF THE REVIEWED STUDIES	109
4.5.4.3	ANALYSIS WITH RESPECT TO THE LATEST STUDIES REVIEWED	111
4.5.4.4	ANALYSIS WITH RESPECT TO THE IDENTIFICATION AND EXPLANATION OF RESEARCH GAPS	112
4.5.4.5	ANALYSIS WITH RESPECT TO THE RATIONALIZATION OF IMPLICATION FROM THE PREVIOUS RESEARCH	115
4.5.4.6	ANALYSIS WITH RESPECT TO THE OVERALL COMMENTS REGARDING THE REVIEWED OF RELATED LITERATURE	116

4.5.5	ANALYSIS REGARDING METHODOLOGY OF THE RESEARCH	119
4.5.5.1	ANALYSIS WITH RESPECT TO THE KIND OF RESEARCH BASED ON BASIC/PURE, APPLIED AND ACTION RESEARCH	120
4.5.5.2	ANALYSIS WITH RESPECT TO THE KIND OF RESEARCH BASED ON QUALITATIVE, QUANTITATIVE AND MIXED REALMS	122
4.5.5.3	ANALYSIS WITH RESPECT TO EXPLANATION AND OPERATIONALISATION OF THE TERMS	125
4.5.5.4	ANALYSIS WITH RESPECT TO HYPOTHESES IN RESEARCH	128
4.5.6	ANALYSIS REGARDING METHOD OF THE RESEARCH	131
4.5.6.1	ANALYSIS WITH RESPECT TO THE METHOD OF THE RESEARCH	131
4.5.6.2	ANALYSIS WITH RESPECT TO THE KIND OF EXPERIMENTAL DESIGN USED IN RESEARCH	135
4.5.7	ANALYSIS REGARDING SAMPLING USED	145
4.5.7.1	ANALYSIS WITH RESPECT TO THE GEOGRAPHICAL REGION OF THE STUDY IN RESEARCH	145
4.5.7.2	ANALYSIS WITH RESPECT TO THE SAMPLE OF THE STUDY IN RESEARCH	148
4.5.7.3	ANALYSIS WITH RESPECT TO THE SAMPLING TECHNIQUE USED IN RESEARCH	152
4.5.8	ANALYSIS REGARDING TOOLS USED	159
4.5.8.1	ANALYSIS WITH RESPECT TO THE NATURE OF THE TOOL	159
4.5.8.2	ANALYSIS WITH RESPECT TO THE NUMBER OF TOOLS	162
4.5.8.3	ANALYSIS WITH RESPECT TO THE TYPE OF TOOL	167
4.5.9	ANALYSIS REGARDING DATA ANALYSIS TECHNIQUE USED	172
4.5.9.1	ANALYSIS WITH RESPECT TO THE STATISTICAL TECHNIQUE USED IN RESEARCH	172
4.5.9.2	ANALYSIS WITH RESPECT TO THE QUALITATIVE DATA ANALYSIS TECHNIQUE USED IN RESEARCH	179
4.5.10	ANALYSIS REGARDING REFERENCE STYLE USED IN THE RESEARCH	182
4.5.10.1	ANALYSIS OF RESEARCH WITH RESPECT TO STYLE OF THE REFERENCING USED	183
4.5.10.2	ANALYSIS OF RESEARCH WITH RESPECT TO FOOTNOTES/ENDNOTES WRITING	186

4.5.10.3	ANALYSIS OF RESEARCH WITH RESPECT TO LEGIBLE AND PROPERLY MADE TABLES	188
4.5.10.4	ANALYSIS OF RESEARCH WITH RESPECT TO LEGIBILITY AND PROPERLY MADE GRAPHS	191
4.5.11	ANALYSIS REGARDING THE FINAL PRODUCT OF THE RESEARCH	195
4.5.11.1	ANALYSIS WITH RESPECT TO THE OUTPUT OF RESEARCH BASED ON THE BROAD CATEGORIZATION	195
4.5.11.2	ANALYSIS WITH RESPECT TO THE OUTPUT OF RESEARCH-BASED SYNTHESIS VARIABLES	207

CHAPTER V

SYNTHESIZING RESEARCH FINDINGS

5.1	INTRODUCTION	225
5.2	ANALYSIS WITH RESPECT TO SYNTHESIZING FINDINGS OF THE RESEARCHES (OBJECTIVE —4)	225
5.2.1	METHODOLOGY FOR THE RESEARCH SYNTHESIS	226
5.2.2	DELIMITATION WHILE CONDUCTING RESEARCH SYNTHESIS	227
5.3	AREA WISE SYNTHESIS OF RESEARCH FINDINGS	246
5.3.1	ACHIEVEMENT	246
5.3.2	ADJUSTMENT	247
5.3.3	ADMINISTRATION RELATED VARIABLE	248
5.3.4	ANXIETY AND STRESS	251
5.3.5	ATTITUDE	252
5.3.6	COMPUTER SOFTWARES	252
5.3.7	CREATIVITY	253
5.3.8	DEMOGRAPHIC VARIABLES	254
5.3.8.1	AGE	255
5.3.8.2	BIRTH ORDER	255
5.3.8.3	CASTE/ CLASS/ CATEGORY	256
5.3.8.4	EXPERIENCE	256
5.3.8.5	GENDER	257
5.3.8.6	HABITAT/RESIDENTIAL BACKGROUND	260
5.3.8.7	MARITAL STATUS	261
5.3.8.8	SOCIO-ECONOMIC STATUS (SES) AND OTHER VARIABLES	261

5.3.8.9	STREAM OF EDUCATION/EDUCATIONAL LEVEL	263
5.3.9	DEPENDENCY	264
5.3.10	EDUCATIONAL TELEVISION/RADIO BROADCAST	265
5.3.11	EMOTIONAL INTELLIGENCE	266
5.3.12	INSTRUCTIONAL MATERIAL	267
5.3.13	INSTRUCTIONAL STRATEGY	268
5.3.14	INTELLIGENCE	271
5.3.15	LEVEL OF ASPIRATION	273
5.3.16	LOCUS OF CONTROL	274
5.3.17	METHOD OF TEACHING	274
5.3.18	MICROTEACHING/ FEEDBACK	277
5.3.19	MODELS OF TEACHING	279
5.3.19.1	ADVANCE ORGANIZER MODEL	283
5.3.19.2	CONCEPT ATTAINMENT MODEL	284
5.3.19.3	COGNITIVE GROWTH MODEL	285
5.3.19.4	INDUCTIVE THINKING MODEL	286
5.3.19.5	INQUIRY TRAINING MODEL	287
5.3.19.6	JURISPRUDENT INQUIRY MODEL	287
5.3.19.7	MEMORY MODEL	288
5.3.19.8	STRESS REDUCTION MODEL	289
5.3.19.9	SYNECTICS MODEL	290
5.3.19.10	T-GROUP MODEL	290
5.3.19.11	VALUE ANALYSIS MODEL	291
5.3.19.12	VALUE DISCUSSION MODEL	292
5.3.19.13	MINI TEACHING INTEGRATION MODEL, PIAGETIAN MODEL, AND NON DIRECTIVE MODEL	293
5.3.20	PERSONALITY	294
5.3.21	PERCEPTION	295
5.3.22	REASONING	296
5.3.23	SELF ASSESSMENT	297
5.3.24	SELF CONCEPT AND SELF CONFIDENCE	297
5.3.25	MISCELLANEOUS INDEPENDENT VARIABLES	299
5.3.26	SKILLS AND ABILITY	300
5.3.27	TESTING	301
5.3.28	TEACHING –LEARNING MATERIAL (TLM)	303
5.3.29	VALUES	303

CHAPTER VI

SUMMARY, FINDINGS, DISCUSSION, AND IMPLICATIONS

6.1	INTRODUCTION	305
6.2	PROLOGUE	305
6.3	TREND ANALYSIS AND RESEARCH SYNTHESIS	307
6.4	IMPORTANCE OF THE STUDY	308
6.5	IMPLICATIONS AND RESEARCH GAPS FROM REVIEW OF RELATED LITERATURE	309
6.6	RATIONALE FOR THE STUDY	311
6.7	RESEARCH QUESTIONS	315
6.8	TITLE OF THE STUDY	316
6.9	OBJECTIVES OF THE STUDY	316
6.10	OPERATIONALIZATION OF THE TERMS	317
6.11	METHODOLOGY	318
6.11.1	DESIGN OF THE STUDY	318
6.11.2	TOOL	318
6.11.3	DELIMITATION OF THE STUDY	318
6.11.4	DATA COLLECTION PROCEDURES	319
6.11.5	DATA ANALYSIS	320
6.12	FINDINGS	320
6.12.1	FINDINGS WITH RESPECT TO OBJECTIVE—1	320
6.12.2	FINDINGS WITH RESPECT TO OBJECTIVE—2	321
6.12.3	FINDINGS WITH RESPECT TO OBJECTIVE—3	322
6.12.3.1	FINDINGS WITH RESPECT TO BASIC INFORMATION ABOUT THE RESEARCH	323
6.12.3.2	FINDINGS WITH RESPECT TO PHYSICAL INFORMATION ABOUT THE RESEARCH	324
6.12.3.3	FINDINGS WITH RESPECT TO THE AREA OF THE RESEARCH	328
6.12.3.4	FINDINGS WITH RESPECT TO REVIEW OF THE RELATED LITERATURE	335
6.12.3.5	FINDINGS WITH RESPECT TO METHODOLOGY OF THE RESEARCH	343
6.12.3.6	FINDINGS WITH RESPECT TO METHOD OF THE RESEARCH	348
6.12.3.7	FINDINGS WITH RESPECT TO SAMPLING TECHNIQUE USED	354
6.12.3.8	FINDINGS WITH RESPECT TO TOOLS USED	362

6.12.3.9	FINDINGS WITH RESPECT TO DATA ANALYSIS TECHNIQUE USED	369
6.12.3.10	FINDINGS WITH RESPECT TO REFERENCE STYLES USED	375
6.12.3.11	FINDINGS WITH RESPECT TO FINAL OUTPUT OF THE RESEARCH	381
6.13	FINDINGS WITH RESPECT TO OBJECTIVE—4	384
6.13.1	ACHIEVEMENT	386
6.13.2	ADJUSTMENT	386
6.13.3	ADMINISTRATION RELATED VARIABLE	387
6.13.4	ANXIETY AND STRESS	389
6.13.5	ATTITUDE	389
6.13.6	COMPUTER SOFTWARES	389
6.13.7	CREATIVITY	390
6.13.8	DEMOGRAPHIC VARIABLES	390
6.13.8.1	AGE	390
6.13.8.2	BIRTH ORDER	390
6.13.8.3	CASTE/ CLASS/ CATEGORY	391
6.13.8.4	EXPERIENCE	391
6.13.8.5	GENDER	391
6.13.8.6	HABITAT/RESIDENTIAL BACKGROUND	392
6.13.8.7	MARITAL STATUS	393
6.13.8.8	SOCIO-ECONOMIC STATUS (SES) AND OTHER VARIABLES	393
6.13.8.9	STREAM OF EDUCATION/EDUCATIONAL LEVEL	394
6.13.9	DEPENDENCY	394
6.13.10	EDUCATIONAL TELEVISION/RADIO BROADCAST	395
6.13.11	EMOTIONAL INTELLIGENCE	396
6.13.12	INSTRUCTIONAL MATERIAL	396
6.13.13	INSTRUCTIONAL STRATEGY	397
6.13.14	INTELLIGENCE	399
6.13.15	LEVEL OF ASPIRATION	399
6.13.16	LOCUS OF CONTROL	400
6.13.17	METHOD OF TEACHING	400
6.13.18	MICROTEACHING AND FEEDBACK	402
6.13.19	MODELS OF TEACHING	403
6.13.19.1	ADVANCE ORGANIZER MODEL	403
6.13.19.2	CONCEPT ATTAINMENT MODEL	404

6.13.19.3	COGNITIVE GROWTH MODEL	404
6.13.19.4	INDUCTIVE THINKING MODEL	405
6.13.19.5	INQUIRY TRAINING MODEL	405
6.13.19.6	JURISPRUDENT INQUIRY MODEL	406
6.13.19.7	MEMORY MODEL	406
6.13.19.8	STRESS REDUCTION MODEL	406
6.13.19.9	SYNECTICS MODEL	407
6.13.19.10	T-GROUP MODEL	407
6.13.19.11	VALUE ANALYSIS MODEL	407
6.13.19.12	VALUE DISCUSSION MODEL	408
6.13.19.13	MINI TEACHING INTEGRATION MODEL, PIAGETIAN MODEL, AND NON DIRECTIVE MODEL	408
6.13.20	PERSONALITY	408
6.13.21	PERCEPTION	409
6.13.22	REASONING	410
6.13.23	SELF ASSESSMENT	410
6.13.24	SELF CONCEPT AND SELF CONFIDENCE	410
6.13.25	MISCELLANEOUS INDEPENDENT VARIABLES	411
6.13.26	SKILLS AND ABILITY	411
6.13.27	TESTING	412
6.13.28	TEACHING –LEARNING MATERIAL (TLM)	413
6.13.29	VALUES	413
6.14	DISCUSSION	415
6.15	IMPLICATIONS FOR DIFFERENT STAKEHOLDERS	420
6.15.1	FOR STUDENTS/RESEARCHERS	420
6.15.2	FOR TEACHERS & RESEARCH GUIDES	420
6.15.3	FOR ADMINISTRATORS	421
6.15.4	FOR LIBRARY MANAGEMENT SYSTEM	422
6.15.5	FOR TEXTBOOK WRITERS	422
6.15.6	FOR POLICYMAKERS	422
6.16	SUGGESTIONS FOR FURTHER STUDIES	423
6.17	CONCLUSION	424
	BIBLIOGRAPHY	425

APPENDICES

APPENDIX A—	LIST OF EXPERTS	459
APPENDIX B—	EDUCATIONAL RESEARCH INFORMATION AND REVIEW SCHEDULE	460
APPENDIX C—	PUBLISHED PAPER	464
APPENDIX D—	COURSE WORK CERTIFICATE	475
APPENDIX E—	SOFT COPY (IN FORM OF COMPACT DISC) OF ABSTRACTS OF THE STUDIES	477