

EFFECTIVENESS OF REMEDIAL TEACHING ON  
ACHIEVEMENT OF IX<sup>TH</sup> STANDARD STUDENTS IN  
SOLVING PROBLEMS OF POLYNOMIALS – A STUDY

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
N C E R T

DISSERTATION

Submitted in Partial Fulfillment of the  
requirement for the degree

Of

MASTER OF EDUCATION

SESSION: 2008-2009

BARKATULLAH UNIVERSITY, BHOPAL

Supervisor

Dr. (Ms.) Basansy Kharlukhi

Lecturer in Education

R.I.E, Bhopal

Research Scholar

Babita Kumari

M.Ed. (R.I.E.)

Bhopal

REGIONAL INSTITUTE OF EDUCATION

(National Council of Educational Research & Training)

Bhopal (M.P.)

2  
0  
0  
8  
:  
2  
0  
0  
9

OF  
EFFECTIVENESS ~~FO~~ REMEDIAL TEACHING ON  
ACHIEVEMENT OF IX<sup>TH</sup> STANDARD STUDENTS IN  
SOLVING PROBLEMS OF POLYNOMIALS – A STUDY

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

**DISSERTATION**

①-271

Submitted in Partial Fulfillment of the requirement  
for the degree

Of

**MASTER OF EDUCATION**

**SESSION: 2008- 2009**

**BARKATULLAH UNIVERSITY, BHOPAL**

**Supervisor**

**Dr. (Ms.) Basansy Kharlukhi**

**Lecturer in Education**

**R.I.E, Bhopal**

**Research Scholar**

**Babita Kumari**

**M.Ed, (R.I.E.)**

**Bhopal**

**REGIONAL INSTITUTE OF EDUCATION**

**(National Council of Educational Research & Training)**

**Bhopal (M.P.)**

## CERTIFICATE

This is to certify that Ms Babita Kumari, Student of M.Ed (R.I.E) course, of Regional Institute of Education, Bhopal in the year 2008-2009 has worked under my guidance. Her dissertation "Effectiveness of remedial teaching on Achievement of IX<sup>th</sup> Standard students in solving problem of polynomials - A study", is original and worthy of presentation in partial fulfillment of degree of master of education (R.I.E.) of Barkatullah university, Bhopal (M.P.). The present study is an outcome of her sincere efforts.

*Basansy Kharlukhi*

Place:- Bhopal

Date:- 4. May 2009

Dr. (Ms). Basansy Kharlukhi  
Lecturer in Education  
Regional Institute of Education,  
Bhopal

## ACKNOWLEDGEMENT

I take this opportunity to express my gratitude to my guide Dr. (MS). Basansy Kharlukhi who helped in execution of this study . I thank her for valuable advice, continuous help and inspiring guidance in the completion of the study .

I also express my indebtedness to honourable Prof. Anand Bihari Saxena, Principal, Prof. V.K. Sunwani Dean of Instruction and Prof. S.K. Goel, Head of the education Department, R.I.E. Bhopal for providing or enough learning Facilities and guidance .

I extend my gratitude to Dr. U. Lakshmi Narayana Sir, incharge of M.Ed. and Reader Department of education R.I.E. Bhopal who's helping me in statistical analysis of this study as well as complete this work successfully .

I equally thank all the faculty members of the Department of Education RIE Bhopal for their affectionate care in completion of this study, my sincere thanks to all of them.

I am extremely thankful to Prof. K.B. Subramaniam sir, for helping me in finding out the error in this study . I am grateful to Shri P.K. Tripathi sir Librarian, R.I.E. Bhopal and all other library staff members for extending library facilities and helping in locating reference materials.

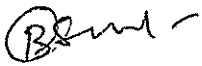
I am also thankful to the Heads, Teachers and students of the institute, who were kind enough to offer me full co-operation in collection of an adequate and precise data.

I also thank all my classmates who remained as a source of inspiration to me at all time, without whom I could not get accelerated time to time for completion of this work.

Above all I owe my sincere gratitude to my beloved Parents for being perennial source of inspiration to me.

Place:- Bhopal

Date:- 27.04.09

  
MS. Babita Kumari  
M.Ed. (R.I.E.)  
R.I.E, Bhopal

## INDEX

### S.NO. UNITS

	<b>Certificate</b>	<b>i</b>
	<b>Acknowledgement</b>	<b>ii-iii</b>
<b>I</b>	<b>Chapter One</b>	<b>1-15</b>
	<b>Introduction</b>	
1.0	What is mathematics?	J-2
1.1	What is algebra ?	2-3
1.2	What is polynomials?	3-4
1.3	Problems in teaching & learning of mathematics	4-5
1.4	Vision for school mathematics	5-6
1.5	Meaning of remedial teaching	6
1.6	Importance of remedial programme	7-8
1.7	Aims of the remedial programme	8-9
1.8	Principles of remedial programme	9-10
1.9	Diagnostics test	11
1.10	Importance of diagnostics evaluation	11
1.11	Uses of diagnostic test	11
1.12	Diagnosis in the subject areas.	12
1.13	Steps in diagnosis	12
1.14	Significance of study	12-13
1.15	Objectives of the study.	13

1.16	Hypotheses of the study	13-14
1.17	Statement of the problem	14
1.18	Operational definition of key terms.	14
1.19	Delimitations.	15

## **II Chapter Two**

	<b>Review of Related Literature</b>	<b>16-32</b>
2.0	Introduction	16-17
2.1	Review Of Related Research Literature	17-32

## **III Chapter Three.**

	<b>Methodology</b>	<b>33-42</b>
3.0	Introduction.	33
3.1	Research Design	33-34
3.2	Sample.	34-35
3.3	Variable.	35-36
3.4	Tool.	37-41
3.5	Procedure Of The Study.	41-42
3.6	Summary	42

## **IV Chapter Four**

### **Analysis & Interpretation 43-51**

4.0 Introduction. 43-44

4.1 Verification Of The Hypotheses. 44-51

(i) Analysis Pertaining To Total Sample.

(ii) Analysis Pertaining To Gender.

(iii) Analysis Pertaining To Total Girls.

(iv) Analysis Pertaining To Total Boys.

## **V Chapter Five.**

### **Summary & Major Findings. 52-56**

5.0 Introduction 52

5.1 Major Findings 53

5.2 Educational Implications 54

5.3 Conclusion 54-55

5.4 Suggestions 55-56

## **Bibliography**

## **Appendix**

**Pre- Test**

**Post Test**

**Answer For Pre Test**

**Answer For Post Test**



## List of Tables

S.N.	NAME OF THE TABLE	PAGE NO.
1.	Characteristic of research design	34
2.	Classification of sample	35
3.	Showing the duration of administration of tools.	38
4.	Showing the detailed distribution of various forms of questions .	39
5.	Showing the details of pre test and post treatment	42
6.	Showing mean difference between pre-test and post test scores of total students .	45
7.	Showing the mean difference between boys and girls pre/ post test scores .	47
8.	Showing the mean difference between pre test and post test of girls scores of IX standard students.	48
9.	Showing the mean difference between pre test and post test of total boys scores .	50

## List Of Graphs

S.N.	NAME OF THE GRAPH	PAGE NO.
1.	Graphical representation of mean between pre test and post test scores of total students .	46
2.	Graphical representation of mean between boys and girls scores .	48
3.	Graphical representation of mean between pre test and post test scores of total girls.	49
4.	Graphical representation of mean between pre test and post test scores of total boys.	51