

A STUDY OF IDENTIFICATION OF ERRORS IN LEARNING INTEGERS AND ITS ALLEVIATION

A Dissertation

**SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF
Three Year Integrated B.Ed.-M.Ed.**

To

Barkatullah University, Bhopal

Session: 2020-21

Supervisor:

**Prof. I. B. Chughtai
Department of Education
RIE, Bhopal**

Submitted by:

**Sudhanshu Sharma
Student 3 Year
Integrated B.Ed.-M.Ed.**



**एन सी ई आर टी
NCERT**

Department Of Education

Regional Institute of Education, NCERT, Bhopal

A STUDY OF IDENTIFICATION OF ERRORS IN LEARNING INTEGERS AND ITS ALLEVIATION

**A Dissertation SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF
Three Year Integrated B.Ed.-M.Ed. To Barkatullah University, Bhopal**

Session: 2020-21

**Supervisor:
Prof. I. B. Chughtai
Department of Education
RIE, Bhopal**



**Submitted by:
Sudhanshu Sharma
Student 3 Year
Integrated B.Ed.-M.Ed.**

.10 DEC 2021



**एन सी ई आर टी
NCERT**

D - 513

**Department Of Education
Regional Institute of Education, NCERT, Bhopal**

Declaration

I **Sudhanshu Sharma** student of 3-year Integrated B.Ed.-M.Ed. course, Regional Institute of Education, Bhopal declare that the work presented in this project is original and carried out by me under the supervision of Prof. I. B. Chughtai, Regional Institute of Education, Bhopal. I further declare that this work has not been submitted elsewhere for the award of any other degree or diploma in any university.

Sudhanshu

Date: 19/07/2021

Place: Bhopal

SUDHANSHU SHARMA
Student Three Year Integrated
B.Ed.-M.Ed.
Regional Institute of Education,
Bhopal

Certificate

This is to certified that **Sudhanshu Sharma** student of 3 year Integrated B.Ed.-M.Ed. course of Regional Institute of Education, Bhopal, year 2020-21 has conducted his dissertation work entitled “**A study of Identification of Errors in Learning Integers and its Alleviation**” under my supervision.

It is his genuine work and I consider it worthy of submission for the award of the degree.

Date: 19.7.2021

Place: Bhopal


(Prof. I.B. Chughtai)

Department of Education

Regional Institute of Education, Bhopal

ACKNOWLEDGMENT

I would first like to thank the supreme power by whose will I had got an opportunity to work under prolific and distinguished scholars in the field of education.

I would love to express my sincere and heartfelt gratitude to my supervisor and guide Prof. Irfan Beg Chughtai for his constant support and encouragement he has provided during the course of study. The doors to Prof. Chughtai's office were always open whenever I ran into a trouble or had confusions. He consistently allowed this study to be my own work and steered me in the right direction whenever he thought I needed it.

I would also like to thank Prof. Nityanand Pradhan, ex-principal of RIE Bhopal, Prof. Ratnamala Arya, Head of the Education-Department, RIE Bhopal for allowing me to this work.

In this queue I would also like to thank Prof. B. Ramesh Babu, Dr. NC Ojha for providing their various inputs for study and Dr. Saurabh Kumar, Dr. Arunabh Saurabh, Dr. Ganga Mahto from RIE Bhopal, Dr. Prateek Chaurasia, Asst. Prof. Mizoram University and Sh. Sunil Sharma, Lecturer-Mathematics, Shri R.S. Inter College Kanpur for providing their consistent support on the development of research tool.

I cannot imagine the accomplishment of this study without persons those who assisted me during the field visit. In this row I would like to pay my sincere gratitude to Smt. Madhuri Devi, SM, Composite Upper Primary School, Mankapur. She had consistently supported during the course of administration of research tool and to seek required permissions from concerned authorities. I also need to thank all the head of the schools who allowed me to conduct my study without any problem.

I would also like to acknowledge the idea of dream and vision of the great visionary scientist, missile man and former president of India Bharat Ratna Dr. A.P.J Abdul Kalam since his views and thoughts have provocatively propelled me to work consistently. I would also like to pay my sincere gratitude to the advocates of social justice i.e., visionary leaders & stalwarts Dr. Ram Manohar Lohia and Jai Prakash Narayan as teaching is the means to achieve social justice.

I would also like to thank my mentors at University of Allahabad i.e., emeritus Prof. Arun Srivastava, Prof. Praveen Kumar Tandon from the Department of Chemistry & Dr. Vinay Sanguri, Asst. Professor, SPM Degree College, Prayagraj for instilling in me a great source of willpower and alma-mater, I am sincerely indebted to them.

Finally, I must express my very profound gratitude to my parents without their support I am zero, I shall always remain indebted to them and cannot imagine myself without their presence. Next, I would thank to my uncle Sh. Omprakash Sharma, for his constant encouragement and support he has provided during these years of study. I would also like to acknowledge my siblings Divya & Himanshu for the valuable inputs they have provided during study. At last, but not the least I would like to thank my friends Rajesh, Pragalb, Rishab, Jitendra & Shashank for being source of motivation and providing me with unfailing support and continuous encouragement throughout the study. This accomplishment would not have been possible without all of them.

Dedicated to the lotus feet my most loving Grandfather Pt. Rajaram Sharma, Grandmother Smt. Ravi Devi and my Nani Smt. Lalita Devi whose love and blessings have always been showered on me from heaven, a grandson to him in a true sense, and always a source of inspiration for me.

Thank you.

Dated: 19/07/2021

Sudhanshu

SUDHANSHU SHARMA

INDEX

Chapter-1:	Introduction	Pg. 01-07
Chapter-2:	Literature Review	Pg. 07-10
Chapter-3:	Research Methodology	Pg. 11-25
Chapter-4:	Data Analysis & Results	Pg. 26-37
Chapter-5:	Summary, Educational Implications, Suggestions for further study and Conclusions	Pg. 38-42
References:		Pg. 43-45
Appendices:		Pg. 46-54