

PROBLEMS ON TEACHING NUMERICAL INTEGRATION

THESIS BY

PRADEEPADHIKARI

**FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
DEGREE OF MASTER IN EDUCATION**

SUBMITTED TO

DEPARTMENT OF MATHEMATICS EDUCATION

CENTRAL DEPARTMENT OF EDUCATION

UNIVERSITY CAMPUS

TRIBHUVAN UNIVERSITY

KIRTIPUR, KATHMANDU

2021

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2021

RECOMMENDATION FOR ACCEPTANCE

This is to certify that **PradeepAdhikari**, has completed his thesis entitled **“Problems on Teaching Numerical Integration”** under my supervision during the period prescribed by the rule and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommend and forward his thesis to the Department of Mathematics Education to organize final viva-voce.

.....

LokNathBhattarai

Supervisor

Date:7 April, 2021

LETTER OF APPROVAL

A thesis by Pradeep Adhikari entitled “**Problems On Teaching Numerical Integration**” has been approved for the partial fulfillment of the Requirements for Degree of Master of Mathematics Education.

Committee for Viva-Voce**Signature**

Prof. Dr. Bed Raj Acharaya

.....

(Chairman)

Prof. Dr. Indra Kumari Bajracharya

.....

(External)

Lok Nath Bhattarai

.....

(Member)

Date: 19 April, 2021

LETTER OF CERTIFICATION

This is to certify to Mr. Pradeep Adhikari a student of academic year 2071/72 with campus Roll No 139 exam roll No. 28710309, thesis number 1350 and T.U. Registration No. 9-2-278-439-2008 has completed his thesis under supervision of Lecture Mr. Loknath Bhattarai during the period prescribed by the rule and regulation of Tribhuvan University, Nepal. The thesis entitled “**Problems On Teaching Numerical Integration.**” Has been prepared based on result of his investigation. I, here by recommended and forward that his thesis be submitted for evaluation as the partial requirement to the degree of Master of Mathematics Education.

.....

Prof. Dr. Bed Raj Acharya

Department of Head

Date: 7 April, 2021

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Defence date: 19 April, 2021

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DEDICATION

Honestly dedicated

To

My parents

ManiramAdhikari and Isha Devi Adhikari

DECLARATION

The thesis contains no material which has submitted for the award of other degree in any institution to the best of my knowledge and belief this thesis contains no material previously published by any authors excepts due acknowledgement has been made.

Date: 7 April, 2021

.....

PradeepAdhikari

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.....

PradeepAdhikari

ABSTRACT

The purpose of the study was to find the problem faced by mathematics teachers on teaching numerical integration and also find the major causes related to the problem in teaching numerical integration which are faced by Mathematics teacher at grade XII. The mixed design was adopted to conduct the study for convenience. The previous study of research reports and journal were guide to the study. The sample was composed of 60 math teacher working in public and institutional school. The researcher made tools :Opinionnaireform and Interview Schedule. . The researcher categorized the problem into following:

Problem related to content, materials, class management, professional development, administration. The researcher found that there are various problems that cause teachers inefficient and enthusiastic to execute duty properly in the classroom. Most of the problem faced by teacher showed lack of participate in training and workshop, lack of language, teaching material are not easily available, poor economic status of the school, student use to much mobile internet, face book, school time and out of school time, very tight budget of the school, lack of support to mathematics teaching material by the administration, lack of teachers preparing lesson plan daily, lack of availability of the journal. Based on the finding and the conclusion from this study, the following recommendation is developed : teacher should use proper material and prepare lesson plan before starting the topic, the school should manage mathematical lab, material and computer, proper guidance according to the student's ability should be given to ensure better learning for the whole class, teacher should be encouraged about better teaching practices by providing handsome remunerations or incentive.

TABLE OF CONTENTS

Chapters	Page No.
<i>Title Page</i>	<i>i</i>
<i>Letter of Certification</i>	<i>ii</i>
<i>Letter of Approval</i>	<i>iii</i>
<i>Recommendation for Acceptance</i>	<i>iv</i>
<i>Declaration</i>	<i>v</i>
<i>Copyright</i>	<i>vi</i>
<i>Dedication</i>	<i>vii</i>
<i>Acknowledgement</i>	<i>viii</i>
<i>Abstract</i>	<i>ix</i>
<i>Table of Contents</i>	<i>x</i>
<i>List of Tables</i>	<i>xiii</i>
I. INTRODUCTION	1-6
Background of the Study	1
Statement of the Problem	4
Objective of the Study	4
Justification of the Study	5
Hypothesis of the Study	6
Delimitation of the Study	6
Definition of the Related Term	7
II. REVIEW OF RELATED LITERATURE	8-14
Empirical Literature	8

Theoretical Literature	13
Conceptual Framework	14
III. METHODS AND PROCEDURE	15-17
Design of the Study	15
Population of the Study	15
Sample of the Study	15
Tools	16
Data Collection Procedure	16
Scoring Procedure	17
Data Analysis Procedure	17
IV. ANALYSIS AND INTERPRETATION OF DATA	18-31
Problem Related to Content	18
Causes of the Problem in the Content	20
Problems Related to Material	21
Causes of the Problem in the Materials	22
Problems Related to Class Management	23
Causes of problem in the class management	25
Problem Related to Professional Development	27
Causes of Problem in Professional Development	28
Problem Related to Administration	29
Causes of the Problems in Administration	30
Position of Community and Institution Schools Teachers	31

V. SUMMARY, FINDING, CONCLUSION AND RECOMMENDATIONS	32-36
Summary	32
Finding of the study	33
Conclusion	34
Recommendation for Educational Implication	35
Recommendation for Further Study	36
REFERENCES	37-38
APPENDIX	39-47

LIST OF TABLES

Table 1	Teachers Response on Content	18
Table 2	Teachers response on Material	21
Table 3	Teachers response on Class Management	24
Table 4	Problem Related to Professional development	27
Table 5	Problem Related to Administration	29
Table 6.	Comparison of the response between community and institution schools teachers	31