

**FACTORS ASSOCIATED WITH UNDER-ACHIEVEMENT
IN MATHEMATICS AT SLC EXAMINATION**

A

THESIS

BY

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RECOMMENDATION LETTER

This is to certify that Mr. Durbasha Bhattarai, student of Academic Year 2064/2065 with Campus Roll No. 16, T. U. Registration No. 9-1-9-598-2001 and Exam Roll No. 2140260 has completed his thesis under my supervision during the period prescribed by the rules and regulations of Tribhuvan University, Nepal. The thesis entitled "**Factors Associated with under-Achievement in Mathematics at SLC Examination**" is based on the result of his investigation conducted in Khotang district during the period of 6 months, under the Department of Mathematics Education, Tribhuvan University, Sukuna Multiple Campus, Koshiharaincha, Morang. I recommend and forwarded this thesis for the evaluation as the partial requirements to award the degree of Master of Education.

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DECLARATION

I hereby declare, to the best of my knowledge, that this thesis is original; no part of it was submitted for the candidature of research degree to any writing.

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ABSTRACT

This study was carried out to find the root cause of under-achievement in mathematics at SLC examination. Although mathematics has been given an important place in Curricula of all levels of school education, most students' under-achievement in this subject at SLC examination, the investigator undertook this particular study for the purpose to find out the root cause of under-achievement in mathematics at SLC examination. The main objectives of this study was to identify the cause of under-achievement in mathematics in SLC examination and to identify the ways to minimize the rate of under-achievement in mathematics in SLC examination.

The study was based on descriptive survey design. All the mathematics teachers and students who were teaching and studying mathematics in public secondary schools of Khotang district. There are 25 teachers and 80 students were sample population of the study. Mathematics teachers are taken from TPD training programme who were organized by NCED. In order to develop the tools for the study, the researcher first studied the school mathematics curriculum and textbook prescribed for secondary level. Then he developed the questionnaire to be distributed to secondary level students, mathematics teachers and head teacher for assessing the various aspects of factors of under-achievement in mathematics at SLC examination. The developed questionnaire were distributed to 25 randomly selected secondary schools teacher and the same questionnaires were distributed to 80 randomly selected students.

Students' performance is low in classes because of lack of teaching materials and drill practice. Similarly, the subject teachers don't check homework and classwork regularly. There was no proper management of subject teacher lack of checking homework as well as class works in the class. no proper educational environment of the students house and

school. Large number of questions are in the examination while teaching, teachers focus only on the limited number of talented students.

The finding of this study will be helpful for policy makers, stakeholders, authors and management committee of the institutions to carry out the policy towards better achievement of the students in mathematics at SLC exam. The Ministry of Education should review the curriculum to make it relevant and flexible to the diverse needs of different regions and background of the students. The researcher's conclusions can be used in practice to uplift the academic status of the students in every education institution. Since it is found that the mathematics achievement of under-achievement student are more affected by school environment, effective classroom teaching time variables and low affected by physical facilities and interest of learner. The study of this kind should be conducted at all levels of schools and in other subjects as well.

TABLE OF CONTENTS

	Page No.
<i>Declaration</i>	<i>i</i>
<i>Recommendation Letter</i>	<i>ii</i>
<i>Approval Letter</i>	<i>iii</i>
<i>Acknowledgements</i>	<i>iv</i>
<i>Abstract</i>	<i>v</i>
<i>Abbreviation</i>	<i>vii</i>
<i>Table of Contents</i>	<i>viii</i>
<i>List of Tables</i>	<i>x</i>
Chapter I : INTRODUCTION	
1.1 Background of the Study	1
1.2 Statement of the Problem	4
1.3 Rationale of the Study	5
1.4 Objectives of the Study	6
1.5 Hypothesis	6
1.6 Significance of the Study	6
1.7 Delimitations of the Study	7
1.8 Operational Definition of the Key Terms	7
Chapter II : REVIEW OF RELATED LITERATURE AND CONCEPTUAL FRAMEWORK	
2.1 Review of Related Literature	8
2.2 Conceptual framework of the study	16
Chapter III: METHOD AND PROCEDURES OF THE STUDY	
3.1 Design of the Study	19
3.2 Population	19
3.3 Sample of the Study	19

3.4 Sampling	20
3.5 Tools/Instrument	20
3.6 Data Collection Procedure	20
3.7 Data Analysis and Interpretation procedure	23
Chapter IV: RESULTS AND DISCUSSION	
4.1 Teachers Responses on cause of under-achievement in Mathematics at SLC examination	24
4.2 Students response on Cause of Under-achievement in Mathematics at SLC Examination	37
Chapter V: SUMMARY, FINDINGS, CONCLUSIONS AND RECOMMENDATION	
5.1 Summary of the study	47
5.2 Findings and Conclusions	48
5.3 Recommendation	49
5.3.1 Policy Level	49
5.3.2 Practice Level	50
5.3.3 Further Research	50
BIBLIOGRAPHY	
APPENDICES	

LIST OF TABLES

Table 4.1 : Pass and Fail percentage in average of last three years of SLC Examination	25
Table 4.2 : Weightage mean of factors related to the curriculum and text books	26
Table 4.3 : Weightage mean of factors related to the method of teaching	28
Table 4.4 : Weightage mean of factors related to the students interest	30
Table 4.5 : Weightage means of answers from the subject teachers	32
Table 4.6 : Weightage mean of factors related to the school management	34
Table 4.7 : Weightage mean of factors related to the questions sets	36
Table 4.8 : Weightage mean of factors related to the curriculum and textbooks	38
Table 4.9 : Weightage mean of factors related to the method of teaching	39
Table 4.10 : Weightage mean of factors related to the students interest	41
Table 4.11 : Weightage mean of factors related to the subject teachers	43
Table 4.12 Weightage mean of factors related to the school management	44
Table 4.13 : Weightage mean of factors related to the questions sets	45

ABBREVIATIONS

BC	Before Christ
HSS	Higher Secondary School
MOE	Ministry of Education
NCED	National Centre for Education Development
NEC	National Education Commission
SLC	School Leaving Certificate
TU	Tribhuvan University
TPD	Teacher Professional Development
DEO	District Education Office