EFFECT OF HOME ENVIRONMENT ON MATHEMATICS ACHIEVEMENT

A

A Thesis

BY

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SUBMITTED TO

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LETTER OF CERTIFICATE

This is to certify to Mr. Ram Bahadur Mahatara a student of academic of year 2072/73 with Campus Roll No. 701, Thesis No. 1455, Exam Roll No. 7228364, T.U. Regd. No 9-2-320-281-2011 has completed his thesis under supervision of Lecture Mr. Krishna Prashad Bhatt during the period prescribed by the rule and regulation of Tribhuvan University, Nepal. This thesis entitled "**Effect of Home Environment on Mathematics Achievement"** 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 requirements to the degree of Master of Mathematics Education.

……

Assoc. Prof. Laxmi Narayan Yadav

Department of Head

Date: 29 April, 2019

LETTER OF APPROVAL

A thesis by Mr. Ram Bahadur Mahatara entitled **"Effect of Home Environment on Mathematics Achievement"** has been approved for the partial fulfillment of the Requirements for Degree of Master of Mathematics Education.

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Mr. Krishna Prashad Bhatt (Supervisor)	……

Date: 20 May, 2019

RECOMMENDATION FOR ACCEPTANCE

This is to certify that Mr. Ram Bahadur Mahatara has completed his M.Ed. thesis entitled **"Effect of Home Environment on Mathematics Achievement"** under my supervision during the period prescribed by the rules and regulation of Tribhuvan University, Kirtipur, Kathmandu Nepal. I recommend and forward his thesis to the Department of Mathematics Education to organize final viva-voice.

……..

Mr. Krishna Prashad Bhatt

(Supervisor)

Date: 29 April, 2019

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DEDICATION

Dedicated

To

My parents and all my family members whose blessings is with me forever.

DECLARATION

I hereby declare that this thesis is my original work. It contains no material which has been accepted for the award of other degree in any institutions. For the best of my knowledge and belief, this thesis contains no materials previously published by any authors due to acknowledgement has been made.

Date: 29 April, 2019 .....

Ram Bahadur Mahatara

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Date: 29 April, 2019 .....

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ABSTRACT

The study entitled related to the “Effect of Home Environment on Mathematics Achievements" is based on quantitative approach. The objective of this study were to find the effect of home environment on the mathematics achievement of students at grade seven and to find the correlation between home environment factors and mathematics achievements of students at grade seven. Two hundred ten students were selected from five government schools in Dangisharan Gaunpalika by using random sampling method. Mathematics achievement score and questionnaire forms were uses to collected data. The questionnaire form consisting eight statement which was distributed two hundred ten students and were requested to describe with parents fill it. The collected data were analyzed by using statistical tools as mean, standard derivation, correlation, t-test, ANOVAtest and multiple linear regression.

There is high correlation between mathematics achievement and mother education (0.684). Similarly, there is high correlation between mathematics achievements and home environmental factors; FI (0.489), FE (0.425), FS (0.105), HW (0.096) and WLP (0.019) respectively. There is negative correlation between mathematics achievement and student play mobile or watch TV (-0.520). In multiple linear regression, to find out the study shows that home environment factors effect on achievement of students. Mother's education affected 0.429, father's education affected 0.155, family size affected 0.087, family income affected 0.082 and household workload affected 0.042 on mathematics achievement of student. Student play mobile or watch TV, where to live parents and homework checking are negative affected features on their achievement. Since the home environment factors affect the mathematics achievement of student.

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ACRONYMS

ANOVA	:	Analysis of Variance
C.V.	:	Coefficient Variance
FE	:	Father Education
FI	:	Family Income
FS	:	Family Size
HC	:	Homework Checking
HWL	:	Household Workload
ME	:	Mother Education
SD	:	Standard Deviation
TU	:	Tribhuvan University
TV	:	Television
WLP	:	Where do Live Parent