IMPACT OF SOCIO-ECONOMIC STATUS ON MATHEMATICS ACHIEVEMENT ON GANDHARVA STUDENTS IN KASKI DISTRICT

A THESIS SUBMITTED

BY

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CAMPUS ROLL NO.207/063

T.U. REG. NO: 9-1-48-2258-2000

EXAM ROLL NO. : 480290

IN THE PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF MASTER OF EDUCATION

SUBMITTED TO:

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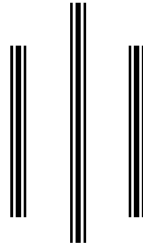
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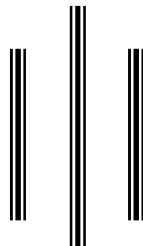
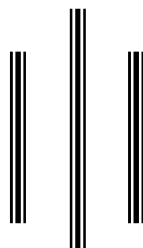**A THESIS SUBMITTED
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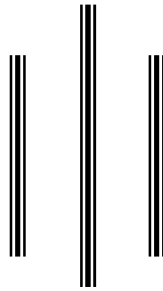**SUBMITTED TO:
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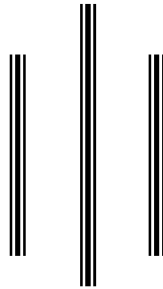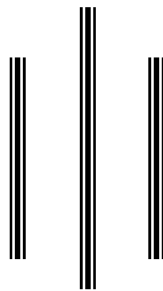DEPARTMENT OF MATHEMATICS
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POKHARA, NEPAL

Thesis Submitted

by

UPENDRA ADHIKARI

Entitled

"Impact of Socio-Economic Status on Mathematics Achievement on

Gandharva Students in Kaski District."

has been approved in partial fulfillment of the requirement for the
Degree of Master of Education

Committee for the Viva-voce	Signature
Mr. Narendra Narayan Jha (Head of the Department)	_____
Prof. Dr. Krishna Kumar Shrestha (External Examiner)	_____
Mr. Bishnu Bahadur Thapa (Supervisor)	_____

Date………………….

TRIBHUVAN UNIVERSITY

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ACCEPTANCE LETTER

This is to certify that **Mr. Upendra Adhikari**, student of academic year 2063/2064 with campus Roll No. 207/063, Exam Roll No.: 480290 and T.U. Registration No.: 9-1-48-2258-2000 has completed his thesis under my supervision during the period prescribed by the rules and regulations of Tribhuvan University, Nepal. The thesis entitled **"Impact of Socio-Economic Status on Mathematics Achievement on Gandharva Students"** has been prepared based on the results of this investigation conducted during the period of 2010-2011. I hereby, recommend and forward that this thesis be submitted for the evaluation as the partial fulfillment of the requirements to award the degree of Master of Education.

…………..…………………   ……………...……………….

Mr. Narendra Narayan Jha   **Mr. Bishnu Bahadur Thapa**

Head   Supervisor

Department of Mathematics   Department of Mathematics

Tribhuvan University   Tribhuvan University

Prithvi Narayan Campus   Prithvi Narayan Campus

Pokhara, Nepal   Pokhara, Nepal

ACKNOWLEDGEMENT

ABSTRACT

The prime concern of this study was to explore the "Impact of Socio-Economic Status on Mathematics Achievement on Gandharva Students". An achievement test paper were the main instrument including parent questionnaire form and students questionnaire form for the study. The sample of study included 15 students out of them 6 boys and 9 were girls from Gandharva community from three government Schools of Kaski district.

To collect the data for this study the researcher developed the test consisting of 54 multiple choice items on the basis of the prescribed textbook of mathematics of grade nine. To maintain validity and reliability of the test the researcher use item analysis. For this the researcher administrated achievement test paper with 25 students of Shree Bhoomeshwor Secondary School, Dhital - 4, Kaski. By obtaining P-value and D-value of the items, 9 items were rejected and remaining 45 items were accepted for the final form.

The achievement test was administrated in grade ten students at the beginning of session to find out the achievement level of students. The time given for achievement test was one and half hour, one mark was given for one right answer. The mean, standard deviation, correlation tools were used for analysis of data. The following results were found.

a.   The mean score of children of educated, literate and illiterate fathers are 29.25, 22.00 and 18.50 respectively. The mean score of children of educated father is higher than that of literate and illiterate. And the mean score of literate is higher than illiterate father.

b. The mean score of children of job holder, trade and agricultural father are 23.14, 22.25 and 23.5 respectively. The mean score of agricultural children is higher than that of trade and Job holder's children. And the mean score of job holders father's children is higher than that of trade.

c. The mean score of small size, middle size and large size family children are 24.75, 23.77 and 16.00 respectively. The means score of children of small size is higher than that of middle size and large size family and the mean score of middle size family's children is higher than that of large size family children.

d. The mean score of children from high, middle and low family income are 22.33, 25.11 and 17.33 respectively. The mean score of middle family incomes children is higher than high and low family income.

e. The mean score of boys and girls of Gandharva children are 25.83 and 21.11 respectively. The mean score of boys is higher than the mean score of girls.

f. Mathematics achievement of students were found to be associated with the father's education and positively correlated with family income but negatively correlated with father's occupation and family size.

g. Family education was positively correlated with father's occupation and family income but negatively correlated with family size.

h. The variable father occupation was low positively correlated with family income and negatively correlated with family size. And family size was negatively correlated with family income.

i. Mathematics achievement of boys was strongly positively associated with father's education. But mathematics achievement

of boys was negatively associated with father's occupation, family size and family income.

j. Mathematics achievement of girls was strongly correlated with father's education, and family income but negatively correlated with father's occupation and family size.

k. The variable father education of boys was negatively correlated with father's occupation and family income, zero correlated with family size. Also of girls was positively correlated with father occupation and family income but negatively correlated with family size.

l. The variable father's occupation of boys was positively correlated with family income and negatively correlated with family size. And that of girls was zero correlated with family size and family income.

m. The variable family size of boys was negatively correlated with family income and also that of girls.

LIST OF ABBREVIATIONS

BPEP	:	Basic and Primary Education Project
CDC	:	Curriculum Development Center
CERID	:	Research Center for Education Innovation and Development
EDSC	:	Educational Development Service Center
FE	:	Father's Education
FI	:	Family Income
FO	:	Father's Occupation
FS	:	Family Size
MA	:	Mathematics Achievement
NESP	:	National Education System Plan
SAARC	:	South Asian Association for Regional Cooperation
SES	:	Socio-economic Status
UNESCO	:	United Nations Educational Scientific and Cultural Organization
VDC	:	Village Development Committee
NGO	:	Non Government Organization

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