PROBLEMS FACED BY STUDENTS IN GEOMERY AT GRADE X IN SARLAHI DISRICT 1093 SIKINDRA MAHATO 2017

PROBLEMS FACED BY STUDENTS IN GEOMETRY AT GRADE X IN SARLAHI DISTRICT

A

THESIS

BY

SIKINDRA MAHATO

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE MASTERS DEGREE IN MATHEMATICS EDUCATION

SUBMITTED

TO

DEPARTMENT OF MATHEMATICS EDUCATION
CENTRAL DEPARTMENT OF EDUCATION
TRIBHUVAN UNIVERSITY,
KIRTIPUR, NEPAL

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शिक्षा शास्त्र संकाय
शिक्षा शास्त्र केन्द्रीय विभाग
TRIBHUVAN UNIVERSITY
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Letter of Certificate

This is to certify that **Mr. Sikindra Mahato,** a student of academic year 2069/2070 with Campus Roll No. 1260/2069, Exam Roll No. 281194 (2070) and T.U. Regd. No. 9-2-55-480-2007 and Thesis No. 1093 has completed his thesis under my supervision during the period prescribed by the rules and regulation of Tribhuvan University, Nepal. The thesis entitled "**Problems Faced by Students in Geometry at Grade X in Sarlahi District**" embodies the result of his investigation conducting the period 2016 at the Department of Education, University Campus, Kirtipur, Kathmandu. I hereby, recommend and forward that his thesis be submitted for the evaluation as the partial requirements to award the Degree of Master's of Education.

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Letter of Approval

A

Thesis

By

Sikindra Mahato

Entitled

"**Problems Faced by Students in Geometry at Grade X in Sarlahi District**" has been approved in Partial Fulfilment for Requirements of Degree of Master's of Education.

Committee for the Viva-voce	**Signature**
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2. Prof. Dr. Hari Prasad Upadhyay (Member)	……..
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……

(Sikindra Mahato)

ABSTRACT

This study is to identify the problems faced by students in geometry at grade X and to find out the causes of the problems related to prove and verify theorem and construction.

This study was mixed design. So that it is quantitative and qualitative as well as descriptive survey. This study was conducted at grade X in ten public secondary schools. The researcher chooses 150 students from all schools. The researcher took interview with students, mathematics teachers and head teachers and questionnaire. The researcher observed the class of all schools in twenty days. When researcher collected the data he analysed and obtained data with the help of conceptual understanding. The researcher obtained data on basis of learning environment at school, classroom interaction, teaching methods, pre-knowledge, materials and evaluation techniques and activities in classroom. The qualitative data were analyzed by using conceptual framework.

Finally it is concluded that students feel problems in learning Geometry because of school environment, lack of pre-knowledge of students, teaching methods and techniques. If the school provides sufficient teaching materials about geometry, extra classes for weak students, teacher uses appropriate teaching method, teaching materials. Then the Problems Faced by Students in Geometry at Grade X in Sarlahi District would be minimize.

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ABBREVIATIONS AND SYMBOLS

Asso.	:	Associate
Dr.	:	Doctor
e.g.	:	Example
EMDC	:	Educational Manpower Development Centre
etc.	:	Etcetera
i.e.	:	That is
Mr.	:	Mister
No.	:	Number
Prof.	:	Professor
Regd.	:	Registration
SLC	:	School Leaving Certificate
S.N.	:	Serial Number
T.U.	:	Tribhuvan University
VDC	:	Village Development Community