

**GIRL'S PARTICIPATION IN LEARNING OPTIONAL MATHEMATICS**

2019

– RAMESH KUMAR MAHATARA

1451

GIRL'S PARTICIPATION IN LEARNING OPTIONAL MATHEMATICS

**A  
THESIS  
BY**

**RAMESH KUMAR MAHATARA**

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

**SUBMITTED  
TO  
DEPARTMENT OF MATHEMATICS EDUCATION  
CENTRAL DEPARTMENT OF EDUCATION  
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KIRTIPUR, NEPAL**

**2019**

### **Recommendation for Acceptance**

This is to certify that **Mr. Ramesh Kumar Mahatara** has completed his thesis entitled "**Girls Participation in Learning Optional Mathematics**" 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.

.....  
Prof. Dr. Eka Ratna Acharya  
(Supervisor)

September, 2019

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by

Ramesh Kumar Mahatara

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### Letter of Approval

This thesis submitted by **Mr. Ramesh Kumar Mahatara** entitled on "**Girls Participation in Learning Optional Mathematics**" has been approved as for the partial fulfillment for the requirement of Master Degree in Mathematics education.

#### Viva-Voce Committee

#### Signature

Assoc. Prof. Laxmi Narayan Yadav

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(Chairman)

Prof. Uma Nath Pandey

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(External)

Prof. Dr. Eka Ratna Acharya

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(Supervisor)

September, 2019

### Letter of Certificate

This is to certify that **Mr. Ramesh Kumar Mahatara**, a student of academic year 2072/073 with Exam Roll No 7228372, T.U. Regd. No 9-2-57-1170-2012 and Thesis No 1451 has been completed his under my supervision during the period prescribed by the rules regulation of Tribhuvan University, Nepal. The thesis entitled "**Girls Participation in Learning Optional Mathematics**" embodied the result of his investigation conducting the period 2019 at the Department of Mathematics Education, Central Department of Education, University Campus, Kirtipur Kathmandu. I hereby, recommended and forward that his thesis be submitted for the evaluation as the partial requirement to as ward the Degree of Masters of Education.

September, 2019

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Assoc. Prof. Laxmi Narayan Yadav

Head of Department of Mathematics and ICT Education

### **Declaration**

This thesis contains no material which has accepted for the award of other degree in any institutions. To the best of knowledge and belief this thesis contains no material previously published by any other except due acknowledgement has been made.

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Ramesh Kumar Mahatara

September, 2019

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Ramesh Kumar Mahatara

September, 2019

## Abstract

This study focuses on the “Girl’s Participation in Learning Optional Mathematics”. The objectives of this study were to identify the current situation of girl student's participation in learning optional mathematics and to find the major factors affecting the girls participation in learning optional mathematics. The design of this study was qualitative with case study approach. For this study researcher selected one school from Kalikot district by purposive sampling. The in-depth interview guidelines and classroom observation were main tools for this study. Four girl students with respective parents, one mathematics teacher and head teacher were chosen as the respondents. The researcher had analyzed the information by descriptive method.

The finding of the study shows that the participation of girls in learning optional mathematics is less than boys and traditional types of exercise in teaching learning activities was one of the factor effecting the girls participation in optional mathematics learning. There was no proper interaction between teacher and students. Similarly, the main factor affecting the girls participation in optional mathematics learning are poor economic condition and lack of education of the parents, house work load, lack of motivation of teacher and parents, school environment teaching learning process, optional mathematical contents and student-teacher interaction were the causes of less participation of girl students in learning optional mathematics learning.



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