A STUDY ON ELLIPTIC FUNCTIONS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

AMALA.A

Candidate Code	:	**P1711001**
Course code	:	**15PMM45**

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A Study on Elliptic function"** which is being submitted by **Amala.A** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711001,Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony

Head of the Department

Mrs. Ann Varghese

Lecturer in charge

External Examiner

Place: Kollam

Date: 26/06/2019

1.

2.

A STUDY ON MONOTONE OPERATORS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

ANJU J

Candidate Code	:	P1711002
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

A STUDY ON ZERO DIVISOR GRAPHS

DISSERTATION

Submitted to the Fatima Mata National College(Autonomous),Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

ASHA MARIA MARTIN

Candidate Code	:	P1711003
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

A STUDY ON MATHEMATICAL MORPHOLOGY

Dissertation submitted to Fatima Mata National College (Autonomous) in partial fulfillment of the requirements for the award of the degree:
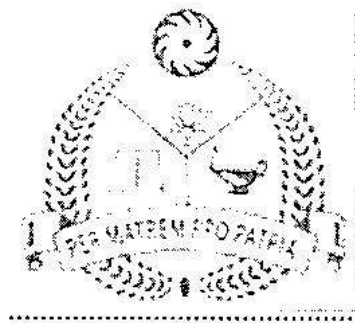
Master of Science in Mathematics

By,

JEWEL ANNA SEBASTIAN

CANDIDATE CODE : P1711004

SUBJECT CODE : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE, KOLLAM

(2017 – 2019)

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM- 691001

CERTIFICATE

This is to certify that the dissertation entitled : **"A STUDY ON MATHEMATICAL MORPHOLOGY** "submitted by *Miss. JEWEL ANNA SEBASTIAN* ,(fourth semester M.Sc. Mathematics 2017-2019) in the partial fulfillment of the requirements for the award of the Degree of *Masters of Science in Mathematics* to University of Kerala has been carried out under my supervision and guidance.

Prof. Sylvia Antony

Head of the department

Place:

Date:

Dr. Rosini B.

Lecturer-in-charge

External Examiners

1.

2.

A STUDY ON FUZZY TOPOLOGICAL SPACES

DISSERTATION

Submitted to the Fatima Mata National College(Autonomous)

in partial Fulfillment of the requirements for the Award

Of the degree of Master of Science

in Mathematics

By

MARY SILPA L

Candidate code : P1711005

Paper code : 15MM45

Department of Mathematics

Fatima Mata National College (Autonomous)

Kollam -691001

2017-19

2

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM -691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A STUDY ON FUZZY TOPOLOGICAL SPACES"** which is being submitted by **MARY SILPA L** (fourth Semester M.Sc mathematics 2017-19,F.M.N.C, Kollam, Candidate code: P1711005) in partial fulfillment for the Master of Science in Mathematics to Kerala University has been carried out under my supervision and guidance.

Prof SYLVIA ANTONY

Head of the Department

Dr.Rosini.B

Dr.Rosini.B

Teacher-in-charge

External Examiners

1.

2.

3

A STUDY ON KNOT THEORY

DISSERTATION

Submitted to Fatima Mata National College(Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

MONICA PHILIP

Candidate Code	:	P1711006
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A Study on Knot Theory"** which is being submitted by **Monica Philip** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711006, Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony   **Mrs. Sindhu V**

Head of the Department   Lecturer in charge

                                                             External Examiner

Place: Kollam   1.

Date: 28-06-2019   2.

A STUDY ON FUZZY LATTICES

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam

in partial fulfilment of requirements for the award of

the degree of Master of Science in Mathematics

By

RITA TOMY

Candidate code: P1711007

Paper code:15PMM45

Department of Mathematics

Fatima Mata National College (Autonomous)

Kollam-691001

2017-2019

Department of Mathematics

Fatima Mata National College (Autonomous),Kollam-691001

Certificate

This is to certify that the dissertation work entitled **"A Study On Fuzzy Lattices"** which is being submitted by **RITA TOMY** (Fourth Semester M.Sc Mathematics 2017-2019, Fatima Mata National College (Autonomous), Kollam.Candidate code:P1711007, Paper code:15PMM45) in partial fulfilment for the Master of Science in Mathematics has been carried under my supervision and guidance.

Prof. Sylvia Antony   **Ms. Anju A**

Head of the Department   Teacher-in-charge

External Examiner

Place:

Date :

A STUDY ON ZERO-DIVISOR GRAPHS OF RINGS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

SANDRAMARY S

Candidate Code	:	**P1711008**
Course code	:	**15PMM45**

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A Study on zero-divisor graphs of rings"** which is being submitted by **SANDRA MARY S** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711008,Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony

Head of the Department

Mrs. Ann Varghese

Lecturer in charge

External Examiner

Place: Kollam

Date: ౽౬౹౦౬౹౨౦౧౯

1.

2.

A STUDY ON NETWORKS

DISSERTATION

Submitted to Fatima Mata National College (Autonomous)

in partial fulfilment of the requirements for the award

of the degree of Master of Science

in Mathematics

By

SHILPA A

Candidate Code: P1711010

Paper Code : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE,

KOLLAM- 691001

2017-2019

FATIMA MATA NATIONAL COLLEGE
KOLLAM – 691001

CERTIFICATE

This is to certify that the dissertation work entitled **" A STUDY ON NETWORKS "** which is being submitted by Shilpa A (Fourth Semester M.Sc Mathematics 2017-2019. F.M.N. College . Kollam Candidate Code : P1711010)   in partial fulfilment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance.

Prof . Sylvia Antony

Head of the department

Prof. Sylvia Antony

Lecturer-in-charge

Place : Kollam

Date : 28| 6| 19

External Examiners

1.

2.

CLASSICAL THEOREMS ON FINITE GROUPS IN CASE OF FINITE SEMIGROUPS

– A STUDY

Dissertation submitted to Fatima Mata National College (Autonomous) in partial fulfillment of the requirements for the award of the degree:

Master of Science in Mathematics

By,

SREEDEVI K

CANDIDATE CODE : P1711011

SUBJECT CODE : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE, KOLLAM

(2017 – 2019)

FATIMA MATA NATIONAL COLLEGE
KOLLAM- 691001

CERTIFICATE

This is to certify that the dissertation entitled : **"CLASSICAL THEOREMS ON FINITE GROUPS IN CASE OF FINITE SEMIGROUPS – A STUDY"** submitted by *Miss. SREEDEVI.K* , in the partial fulfillment of the requirements for the award of the Degree of *Masters of Science in Mathematics* of University of Kerala is the bonafide record of the studies undertaken by her under my supervision at the *Department of Mathematics, Fatima Mata National College,Kollam* during 2017- 2019.

Prof. Sylvia Antony   Mrs. Ann Varghese

Head of the department   Lecturer-in-charge

Place: Kollam   External Examiners

Date: 20 | 06 | 2019   1.

                                                                        2.

A STUDY ON FUZZY GRAPHS

DISSERTATION

Submitted to Fatima Mata National College(Autonomous)
In partial fulfillment of the requirements for the award
of the degree of Master of Science
in Mathematics.

By

SREELEKSHMI J

Candidate code : P1711012

Paper code : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE,

KOLLAM-691001

2017-2019

FATIMA MATA NATIONAL COLLEGE
KOLLAM -691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A STUDY ON FUZZY GRAPHS"** which is being submitted by **SREELEKSHMI.J** (Fourth semester M.Sc Mathematics 2017-2019, Fatima Mata National College (Autonomous), Kollam. Candidate code :P1711012 Paper code:15PMM45) in partial fulfilment for the master of science in mathematics has been carried out under my supervision and guidance.

Prof. Sylvia Antony

Prof. Sylvia Antony

Head of the department

Lecturer-in-charge

Place:

External Examiners

1.

Date:

2.

A STUDY ON C* ALGEBRA

DISSERTATION

Submitted to Fatima Matha National College Kollam (Autonomous) Kollam in partial fulfillment of the requirements for the award of the degree of Master of Science in Mathematics.

By

AKSHAY M MODI

Candidate Code   :P1711013

Course Code   :15PMM45

Under the supervision of

Ms ANCY ALBERT

PER MATREM PRO PATRIA

DEPARTMENT OF MATHEMATICS

FATIMA MATHA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM - 691001

DEPARTMENT OF MATHEMATICS

FATIMA MATHA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM-691001

CERTIFICATE

This is to certify that the dissertation work entitled by
" **A STUDY ON C* ALGEBRA**" which is being submitted by **AKSHAY M MODI**
MSc Mathematics in partial fulfillment for the Master of Science in Mathematics
to Fatima Matha National College (Autonomous) Kollam has been carried out
under my supervision and guidance .

Prof Sylvia Antony

Head of the Department
Department of Mathematics
Fatima Matha National College
(Autonomous) Kollam

Ms Ancy Albert

Lecturer in charge

External Examiner

1.

2.

Place:Kollam
Date : 26|06|2019

A STUDY ON GALOIS THEORY

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),

in the partial fulfilment of requirements for the award of degree of

Master of Science in Mathematics

By

ARUN M

Candidate Code	:	**P1711014**
Course Code	:	**15MM45**

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM-691001

2017-2019

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM –691001

CERTIFICATE

This is to certify that the dissertation work entitled "A Study on Galois theory" which is being submitted by ARUN M (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam, Candidate Code : P1711014, Course Code : 15MM45) in partial fulfilment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance.

Ms. Sylvia Antony   **Dr. Sahni Mary Roosevelt**

Head of the Department   Lecturer in charge

Place: Kollam   External Examiner

Date: 1.

2.

APPLICATIONS OF SIGNED GRAPH
AND SOCIAL NETWORK ANALYSIS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),kollam in partial
fulfillment of the requirements for the award
of the degree of Master of Science
in Mathematics.

By

JISHNUSAGAR V S

Candidate Code	: P1711015
Paper code	: 15PMM45

Department of Mathematics
Fatima Mata National College (Autonomous)
Kollam-691001

2017-2019

FATIMA MATA NATIONAL COLLEGE
(Autonomous), KOLLAM-691001

CERTIFICATE

This is to certify that the dissertion work entitled"**APPLICATIONS OF SIGNED GRAPH AND SOCIAL NETWORK ANALYSIS**" which is being submitted by JISHNUSAGAR V S (Fourth Semester M.Sc Mathematics 2017-2019,FATIMA MATA NATIONAL COLLEGE (Autonomous), Kollam Cantidate Code:P1711015)in partial fulfillment for the Master of Science in Mathematics to Kerala University has been carried out under my supervision and guidance.

Prof Sylvia Antony

Head of the department

Mrs.Sindhu V

Lecturer-in-charge

Place: Kollam

Date: 26|06|2019

External Examiners

1.

2.

A STUDY ON ELLIPTIC FUNCTIONS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

AMALA.A

Candidate Code	:	P1711001
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

<u>CERTIFICATE</u>

This is to certify that the dissertation work entitled **"A Study on Elliptic function"** which is being submitted by **Amala.A** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711001,Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony

Head of the Department

Mrs. Ann Varghese

Lecturer in charge

External Examiner

Place: Kollam

1.

Date: ౭౧౹౦౬౹౨౦౦౧

2.

A STUDY ON MONOTONE OPERATORS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

ANJU J

Candidate Code	:	P1711002
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

A STUDY ON ZERO DIVISOR GRAPHS

DISSERTATION

Submitted to the Fatima Mata National College(Autonomous),Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

ASHA MARIA MARTIN

Candidate Code	:	P1711003
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

A STUDY ON MATHEMATICAL MORPHOLOGY

Dissertation submitted to Fatima Mata National College (Autonomous) in partial fulfillment of the requirements for the award of the degree:

Master of Science in Mathematics

By,

JEWEL ANNA SEBASTIAN

CANDIDATE CODE : P1711004

SUBJECT CODE : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE, KOLLAM

(2017 – 2019)

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM- 691001

CERTIFICATE

This is to certify that the dissertation entitled : "A STUDY ON MATHEMATICAL MORPHOLOGY "submitted by *Miss. JEWEL ANNA SEBASTIAN* ,(fourth semester M.Sc. Mathematics 2017-2019) in the partial fulfillment of the requirements for the award of the Degree of *Masters of Science in Mathematics* to University of Kerala has been carried out under my supervision and guidance.

Prof. Sylvia Antony

Head of the department

Dr. Rosini B.

Lecturer-in-charge

Place:

Date:

External Examiners

1.

2.

A STUDY ON FUZZY TOPOLOGICAL SPACES

DISSERTATION

Submitted to the Fatima Mata National College(Autonomous)

in partial Fulfillment of the requirements for the Award

Of the degree of Master of Science

in Mathematics

By

MARY SILPA L

Candidate code : P1711005

Paper code : 15MM45

Department of Mathematics

Fatima Mata National College (Autonomous)

Kollam -691001

2017-19

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)
KOLLAM -691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A STUDY ON FUZZY TOPOLOGICAL SPACES"** which is being submitted by **MARY SILPA L** (fourth Semester M.Sc mathematics 2017-19,F.M.N.C, Kollam, Candidate code: P1711005) in partial fulfillment for the Master of Science in Mathematics to Kerala University has been carried out under my supervision and guidance.

Prof SYLVIA ANTONY

Head of the Department

Dr.Rosini.B

Dr.Rosini.B

Teacher-in-charge

External Examiners

1.

2.

A STUDY ON KNOT THEORY

DISSERTATION

Submitted to Fatima Mata National College(Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

By

MONICA PHILIP

Candidate Code	:	P1711006
Course code	:	15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE

(AUTONOMOUS)

KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A Study on Knot Theory"** which is being submitted by **Monica Philip** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711006, Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony

Head of the Department

Mrs. Sindhu V

Lecturer in charge

External Examiner

1.

Place: Kollam

Date: 28-06-2019

2.

A STUDY ON FUZZY LATTICES

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam

in partial fulfilment of requirements for the award of

the degree of Master of Science in Mathematics

By

RITA TOMY

Candidate code: P1711007

Paper code:15PMM45

Department of Mathematics

Fatima Mata National College (Autonomous)

Kollam-691001

2017-2019

Department of Mathematics

Fatima Mata National College (Autonomous),Kollam-691001

Certificate

This is to certify that the dissertation work entitled **"A Study On Fuzzy Lattices"** which is being submitted by **RITA TOMY** (Fourth Semester M.Sc Mathematics 2017-2019, Fatima Mata National College (Autonomous), Kollam.Candidate code:P1711007, Paper code:15PMM45) in partial fulfilment for the Master of Science in Mathematics has been carried under my supervision and guidance.

Prof. Sylvia Antony

Head of the Department

Ms. Anju A

Teacher-in-charge

External Examiner

Place:

Date :

A STUDY ON ZERO-DIVISOR GRAPHS OF RINGS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous), Kollam in partial fulfillment of the requirements for the award for the degree of Master of Science in Mathematics

SANDRAMARY S

Candidate Code	:	**P1711008**
Course code	:	**15PMM45**

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM – 691001

2017-2019

DEPARTMENT OF MATHEMATICS
FATIMA MATA NATIONAL COLLEGE
(AUTONOMOUS)
KOLLAM - 691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A Study on zero-divisor graphs of rings"** which is being submitted by **SANDRA MARY S** (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam) Candidate Code : P1711008,Course Code :15PMM45) in partial fulfillment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance

Prof. Sylvia Antony

Head of the Department

Mrs. Ann Varghese

Lecturer in charge

External Examiner

1.

2.

Place: Kollam

Date: ৮৪|০৪|২০১৯

A STUDY ON NETWORKS

DISSERTATION

Submitted to Fatima Mata National College (Autonomous)

in partial fulfilment of the requirements for the award

of the degree of Master of Science

in Mathematics

By

SHILPA A

Candidate Code: P1711010

Paper Code   : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE,

KOLLAM- 691001

2017-2019

FATIMA MATA NATIONAL COLLEGE
KOLLAM – 691001

CERTIFICATE

This is to certify that the dissertation work entitled " **A STUDY ON NETWORKS** " which is being submitted by Shilpa A (Fourth Semester M.Sc Mathematics 2017-2019. F.M.N. College . Kollam Candidate Code : P1711010) in partial fulfilment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance.

Prof . Sylvia Antony

Head of the department

Prof. Sylvia Antony

Lecturer-in-charge

Place : Kollam

Date : 28|6|19

External Examiners

1.

2.

CLASSICAL THEOREMS ON FINITE GROUPS IN CASE OF FINITE SEMIGROUPS

– A STUDY

Dissertation submitted to Fatima Mata National College (Autonomous) in partial fulfillment of the requirements for the award of the degree:

Master of Science in Mathematics

By,

SREEDEVI K

CANDIDATE CODE : P1711011

SUBJECT CODE : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE, KOLLAM

(2017 – 2019)

FATIMA MATA NATIONAL COLLEGE
KOLLAM- 691001

<u>CERTIFICATE</u>

This is to certify that the dissertation entitled : "**CLASSICAL THEOREMS ON FINITE GROUPS IN CASE OF FINITE SEMIGROUPS – A STUDY**" submitted by *Miss. SREEDEVI.K* , in the partial fulfillment of the requirements for the award of the Degree of *Masters of Science in Mathematics* of University of Kerala is the bonafide record of the studies undertaken by her under my supervision at the *Department of Mathematics, Fatima Mata National College, Kollam* during 2017- 2019.

Prof. Sylvia Antony

Head of the department

Place: Kollam

Date: 28|06|2019

Mrs. Ann Varghese

Lecturer-in-charge

External Examiners

1.

2.

A STUDY ON FUZZY GRAPHS

DISSERTATION

Submitted to Fatima Mata National College(Autonomous)
In partial fulfillment of the requirements for the award
of the degree of Master of Science
in Mathematics.

By

SREELEKSHMI J

Candidate code : P1711012

Paper code : 15PMM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE,

KOLLAM-691001

2017-2019

FATIMA MATA NATIONAL COLLEGE
KOLLAM -691001

CERTIFICATE

This is to certify that the dissertation work entitled **"A STUDY ON FUZZY GRAPHS"** which is being submitted by **SREELEKSHMI.J** (Fourth semester M.Sc Mathematics 2017-2019, Fatima Mata National College (Autonomous), Kollam. Candidate code :P1711012 Paper code:15PMM45) in partial fulfilment for the master of science in mathematics has been carried out under my supervision and guidance.

Prof. Sylvia Antony

Head of the department

Prof. Sylvia Antony

Lecturer-in-charge

Place:

Date:

External Examiners
1.
2.

A STUDY ON C* ALGEBRA

DISSERTATION

Submitted to Fatima Matha National College Kollam (Autonomous) Kollam in partial fulfillment of the requirements for the award of the degree of Master of Science in Mathematics.

By

AKSHAY M MODI

Candidate Code   :P1711013

Course Code   :15PMM45

Under the supervision of

Ms ANCY ALBERT

PER MATREM PRO PATRIA

DEPARTMENT OF MATHEMATICS

FATIMA MATHA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM - 691001

DEPARTMENT OF MATHEMATICS

FATIMA MATHA NATIONAL COLLEGE (AUTONOMOUS) KOLLAM-691001

CERTIFICATE

This is to certify that the dissertation work entitled by " **A STUDY ON C* ALGEBRA**" which is being submitted by **AKSHAY M MODI** MSc Mathematics in partial fulfillment for the Master of Science in Mathematics to Fatima Matha National College (Autonomous) Kollam has been carried out under my supervision and guidance .

Prof Sylvia Antony   **Ms Ancy Albert**

Head of the Department   Lecturer in charge
Department of Mathematics
Fatima Matha National College
(Autonomous) Kollam

External Examiner

1.

2.

Place:Kollam
Date : 26|06|2019

A STUDY ON GALOIS THEORY

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),

in the partial fulfilment of requirements for the award of degree of

Master of Science in Mathematics

By

ARUN M

Candidate Code	:	P1711014
Course Code	:	15MM45

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM-691001

2017-2019

DEPARTMENT OF MATHEMATICS

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS)

KOLLAM –691001

CERTIFICATE

This is to certify that the dissertation work entitled "A Study on Galois theory" which is being submitted by ARUN M (IV Semester M.Sc Mathematics 2017-2019, Fatima Mata National College, Kollam, Candidate Code : P1711014, Course Code : 15MM45) in partial fulfilment for the Master of Science in Mathematics to Fatima Mata National College (Autonomous) has been carried out under my supervision and guidance.

Ms. Sylvia Antony

Head of the Department

Dr. Sahni Mary Roosevelt

Lecturer in charge

Place: Kollam

Date:

External Examiner

1.

2.

APPLICATIONS OF SIGNED GRAPH AND SOCIAL NETWORK ANALYSIS

DISSERTATION

Submitted to the Fatima Mata National College (Autonomous),kollam in partial fulfillment of the requirements for the award of the degree of Master of Science in Mathematics.

By

JISHNUSAGAR V S

Candidate Code : P1711015

Paper code : 15PMM45

Department of Mathematics
Fatima Mata National College (Autonomous)
Kollam-691001
2017-2019

FATIMA MATA NATIONAL COLLEGE
(Autonomous), KOLLAM-691001

CERTIFICATE

This is to certify that the dissertion work entitled"**APPLICATIONS OF SIGNED GRAPH AND SOCIAL NETWORK ANALYSIS**" which is being submitted by JISHNUSAGAR V S (Fourth Semester M.Sc Mathematics 2017-2019,FATIMA MATA NATIONAL COLLEGE (Autonomous), Kollam Cantidate Code:P1711015)in partial fulfillment for the Master of Science in Mathematics to Kerala University has been carried out under my supervision and guidance.

Prof Sylvia Antony

Head of the department

Mrs.Sindhu V

Lecturer-in-charge

Place: Kollam

External Examiners

Date: 26|06|2019

1.

2.