

STUDIES ON INVENTORY CONTROL

Project Report submitted to

ST.MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

In partial fulfilment of the requirement for the award of degree of

Bachelor of science in Mathematics

Submitted by

NAMES	REG.NO.
ABITHA A	17AUMT01
ANTONY RABISTA G	17AUMT04
PRIYADHARSHINI S	17AUMT30
STEPHA S	17AUMT47
SWETHA V	17AUMT52

Under the Guidance of

Dr. G. PRISCILLA PACIFICA M.Sc., B.Ed., M.Phil., Ph.D., SET

Assistant Professor of Mathematics

ST.MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.



Department of Mathematics

ST.MARY'S COLLEGE (AUTONOMOUS),

Thoothukudi.

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled "**STUDIES ON INVENTORY CONTROL**" being submitted to **St.Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University , Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

ABITHA A

17AUMT01

ANTONY RABISTA G

17AUMT04

PRIYADHARSHINI S

17AUMT30

STEPHA S

17AUMT47

SWETHA V

17AUMT52


Signature of the Guide


Signature of the HOD

Dr. A. P. D. J. L.
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner


Signature of the Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENT

	Page no.
Introduction	1
Chapter 1 Preliminaries	3-4
Chapter 2 Models of inventory	6-15
2.1. Purchase model with instantaneous Replenishment and without shortages	6-8
2.2. Manufacturing model without shortages	8-10
2.3. Purchase model with instantaneous Replenishment and with shortages	11-12
2.4. Manufacturing model with shortages	13-15
Chapter 3 Implementation of purchase inventory model	17-21
3.1. Fixed order quantity system	17-18
3.2. Periodic review system	18-21
Chapter 4 EOQ model for multi-item joint replenishment	23-29
4.1. Purchase model of inventory for Multi-item joint replenishment without shortages	23-26
4.2. Manufacturing model of inventory with multi-item joint replenishment without shortages	26-29
Chapter 5 Selective inventory control techniques	31-34
Chapter 6 Reasons for carrying inventories	36
Conclusion	37
Reference	38

STUDIES ON THEORY OF SPACE CURVE

Project report submitted to

ST.MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI.

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

Bachelor of Science in Mathematics

Submitted by

NAMES

REG. NO.

ANANTHIS

17AUMT02

JANU PRIYADHARSHINI.S.M

17AUMT12

LAKSHMI PRIYA.M

17AUMT20

RUBY SILVIYA.H

17AUMT34

VENNILA.W

17AUMT54

Under the guidance of

Dr.G.Priscilla Pacifica M.Sc., B.Ed., M.Phil., Ph.D., SET

Assistant Professor in Mathematics

ST.MARY'S COLLEGE (Autonomous), THOOTHUKUDI.



Department of Mathematics

ST.MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled "**STUDIES ON THEORY OF SPACE CURVE**" being submitted to **St.Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of the degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

ANANTHI.S	17AUMT02
JANU PRIYADHARSHINI.S.M	17AUMT12
LAKSHMI PRIYA.M	17AUMT20
RUBY SILVIYA.H	17AUMT34
VENNILA.W	17AUMT54


Signature of the Guide


Signature of the HOD

Dr. A. RAJITHA THARAN, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner


Signature of the Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001,

CONTENT

	Certificate	
	Acknowledgement	
	Introduction	
Chapter 1	<i>Preliminaries</i>	1 - 3
Chapter 2	<i>Parametric Representation of a Space Curve</i>	4 - 11
	2.1 Arc Length	
	2.2 Osculating Plane	
Chapter 3		12 - 23
	3.1 Curvature and Torsion	
	3.2 Serret-Frenet Formulae	
	3.3 Contact Between Curves & Surfaces	
Chapter 4	<i>Involute, Evolute and Spherical Indicatrix</i>	24 - 31
	4.1 Involute and Evolute	
	4.2 Spherical Indicatrix	
	<i>Applications of Theory of Space Curves</i>	32
	References	33

FUZZY THEORY AND BASIC CONCEPTS

Project Report submitted to

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

Affiliated to

MANOMANIAM SUNNDARANAR UNIVERSITY, TIRUNELVELI

In partial fulfilment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names	Register Number
Ancy. J	17AUMT03
Malai selvi. M	17AUMT21
Martina Divaincy. T	17AUMT22
Subbammal. P	17AUMT49
Yoshia. J	17AUMT55

Under the Guidance of

Dr. V. L. Stella Arputha Mary M.sc., M.Phil., B.Ed., Ph.D

Associate Professor in Mathematics

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.



Department of Mathematics

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

(2019 – 2020)

CERTIFICATE

We hereby declare that the project report entitled “ **FUZZY THEORY AND BASIC CONCEPTS**” Being submitted to **St. Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019 – 2020 by the following students:

ANCY. J

17AUMT03

MALAI SELVI. M

17AUMT21

MARTINA DIVAINCY. T

17AUMT22

SUBBAMAL. P

17AUMT49

YOSHIA. J

17AUMT55


Signature of the Guide


Signature of the Examiner


Signature of the HOD

Dr. A. P. D. J. L.
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENT

CHAPTER	TITTLE	PAGE NO.
	INTRODUCTION	1
1	PRILIMINARIES	2
2	Fuzzy sets	4
	2.1 Elements of sets	4
	2.2 Relation between sets	5
	2.3 Membership	6
	2.4 Operation of sets	6
	2.5 Relation between universe set and fuzzy set	8
	2.6 Definition of fuzzy set	8
3	Fuzzy Relation And Composition	10
	3.1 Crisp relation	10
	3.2 Properties of Relation on Single set	17
	3.3 Fuzzy Relation	22
4	Fuzzy Numbers	25
	4.1 Concept of Fuzzy Number	25
	4.2 Operation of Fuzzy Number	29
5	Finite Dimensional Fuzzy Vector Space	34
	5.1 Fuzzy Linear Transformations (FLT)	34
	5.2 Fuzzy Matrices Associated with FLT	37
6	Applications	41
7	Reference	43

ESSENTIAL NUMBER THEORY AND ITS CRYPTOSYSTEMS

Project Report submitted to

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

In partial fulfilment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names

BHAVANI PRIYA P

JOSLIN AMALA D

SEENU N

SIRAJUNISA N.L

STEPHY S

Register number

17AUMT05

17AUMT16

17AUMT38

17AUMT45

17AUMT48

Under the Guidance of

Dr. J. Arul Jesti M.Sc., M.Phil., B.Ed., Ph.D.

Assistant Professor in Mathematics

St. Mary's College (Autonomous), Thoothukudi.



Department of Mathematics

St. Mary's College (Autonomous), Thoothukudi.

April 2020

CERTIFICATE

We here by declare that the project report entitled “**Essential Number Theory and its Cryptosystems**” being submitted to **St. Mary’s College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

BHAVANI PRIYA.P

17AUMT05

JOSLIN AMALA.D

17AUMT16

SEENU.N

17AUMT38

SIRAJUNISA.N.L.

17AUMT45


STEPHY.S

17AUMT48


Signature of the Guide


Signature of the HOD

Dr. A. PRASITHA THARAN, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner


Signature of the principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENTS

CHAPTERS	TOPIC	PG.NO
1	PRELIMINARIES	1
2	CONGRUENCES	5
	2.1 Congruences	5
	2.2 Linear Congruences	8
	2.3 System of Linear congruences	9
	2.4 Special Theorems on congruences	13
3	QUADRATIC RESIDUE AND QUADRATIC RECIPROCITY LAW	19
	3.1 Quadratic Residue	19
	3.2 Legendre's Symbol and its Property	20
	3.3 Quadratic Reciprocity Law and Application	23
	3.4 Jacobi Symbol	26
4	POWER RESIDUE	30
	4.1 Order of modulo m	30
	4.2 Primitive root modulo n	33
5	IMPORTANCE OF NUMBER THEORY IN CRYPTOGRAPHY	37
	5.1 Important concepts in cryptography	37
	5.2 Euler's ϕ function	38
	5.3 Cryptography	38
	5.4 Uses of cryptography	46
6	APPLICATIONS OF NUMBER THEORY	47
	CONCLUSION	51
	BIBLIOGRAPHY	52

A STUDY ON NEAR-RINGS

Project report submitted to

ST.MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

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

Bachelor of Science in Mathematics

Submitted by

NAMES	REGISTER NUMBER
CHRISTY RASMY. G	17AUMT06
REXCY . R	17AUMT33
SANGEETHA . P	17AUMT36
SARANYA . S	17SUMT85
SHENBAGAVALLI . N	17AUMT41

Under the Guidance of

Dr. G. PRISCILLA PACIFICA M.Sc., B.Ed., M.Phil., Ph.D., SET

Assistant Professor of Mathematics



DEPARTMENT OF MATHEMATICS

ST.MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

2019-2020

CERTIFICATE

We hereby declare that this project report entitled "A STUDY ON NEAR-RINGS" is submitted to **St. Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019- 2020 by the following students:

CHRISTY RASMY. G

17AUMT06

REXCY. R

17AUMT33

SANGEETHA. P

17AUMT36

SARANYA. S

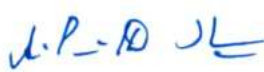
17SUMT85

SHENBAGAVALLI. N

17AUMT41


Signature of the Guide


Signature of the Examiner


Signature of the HOD
Dr. A. PUNITHATHARANI, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENT

CHAPTER	TOPICS	PAGE NO.
	Introduction	1
I	Preliminaries	2-5
II	Near-rings	6-14
III	The Cartesian power and the Direct power	15-25
IV	Prime near-rings and Prime semi near-rings	26-37
	Applications of Near-rings	38
	Bibliography	39

BOOLEAN ALGEBRA

Project Report submitted to

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

In partial fulfilment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names

Register number

EMI GOLDA R

17AUMT07

IBRAHIM MURSHIDHA M

17AUMT11

JERINA P

17AUMT14

RAMISA RIZWANA S

17AUMT31

SAHAYA NISHAL J

17AUMT35

Under the Guidance of

Dr. V.L. STELLA ARPUTHA MARY M.Sc., M.Phil., B.Ed., Ph.D.

Associate Professor in Mathematics

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.



Department of Mathematics

ST. MARY'S COLLEGE(Autonomous), THOOTHUKUDI.


(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled “**BOOLEAN ALGEBRA**” being submitted to **St. Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

EMI GOLDA R	17AUMT07
IBRAHIM MURSHIDHA M	17AUMT11
JERINA P	17AUMT14
RAMISA RIZWANA S	17AUMT31
SAHAYA NISHAL J	17AUMT35


Signature of the Guide


Signature of the HOD

 **V. P. D. J. L.**, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner


Signature of the Principal
St. Mary's College (Autonomous),
Thoothukudi - 628 001.

A STUDY ON VAGUE SET

Project report submitted to

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

in partial fulfillment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names	Register number
EPSRIN.A	17AUMT08
KANAGALAKSHMI.P	17AUMT18
MOHANA.A	17AUMT23
MUTHUMARIS	17AUMT24
PERPETUAL LIFNY.R	17AUMT28
SUBBAMMAL.S	17AUMT50

Under the Guidance of

Dr. J. Arul Jesti M.Sc., M.Phil., B.Ed., Ph.D

Assistant Professor in Mathematics

St. Mary's College (Autonomous), Thoothukudi.



Department of Mathematics

St. Mary's College (Autonomous), Thoothukudi

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled “A STUDY ON VAGUE SET” being submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the degree of Bachelor of Science in Mathematics and it is record of work done during the year 2019-2020 by the following students.

EPSRIN.A

17AUMT08

KANAGALAKSHMI.P

17AUMT18

MOHANA.A

17AUMT23

MUTHUMARI.S


17AUMT24


PERPETUAL LIFNY.R

17AUMT28

SUBBAMMAL.S

17AUMT50


Signature of the Guide


Signature of the HOD

B.A. JUTHIA THARAI, B.Sc., B.Ed., Ph.D.
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner


Signature of the Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENTS

CHAPTER	TOPIC	PAGE NO.
	INTRODUCTION	1
1	PRELIMINARIES	2
2	BOOLEAN VAGUE SETS	6
	2.1 Some Basic Relations and Operations of Boolean Vague Sets	6
	2.2 Cartesian Product and its Properties	16
	2.3 Basic Concepts of Rough Approximations of a Boolean Vague Sets and their Properties	18
	2.4 Roughness of a Boolean Vague Set	24
3	PYTHAGOREAN VAGUE SETS	26
	3.1 Pythagorean Vague Sets	26
	3.2 Distance for Pythagorean Vague Sets	32
4	CORRELATION COEFFICIENT OF VAGUE SETS	35
	4.1 Correlation of Vague Sets	35
	4.2 Numerical Example for Correlation of Vague Sets	39
5	SOME APPLICATIONS IN VAGUE SETS	43
	CONCLUSION	47
	BIBLIOGRAPHY	48

VERTEX AND EDGE MAGIC LABELING

Project report submitted to

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI.

in partial fulfillment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

NAMES

REG NO

ERAIVANI SUMATHRA.N

17AUMT09

JUSTIKA.V

17AUMT17

NISHANTHI.P

17AUMT25

SHANTHI ROSHAL.J

17AUMT40

THILLAI NAYAKI.S

17AUMT53

Under the Guidance of

Dr. A. PUNITHA THARANI M.Sc., M.Phil., Ph.D.,

The Head of the Department of Mathematics

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI.



Department of Mathematics

ST. MARY'S COLLEGE (AUTONOMOUS)

Thoothukudi.

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled “**VERTEX AND EDGE MAGIC LABELING**” being submitted to **St. Mary’s College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfillment for the award of the degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

ERAIVANI SUMATHRA.N

17AUMT09

JUSTIKA.V

17AUMT17

NISHANTHI.P

17AUMT25

SHANTHI ROSHAL.J

17AUMT40

THILLAI NAYAKI.S

17AUMT53

U-P-10 OL

Signature of the Guide

✓ P-D 5L

Signature of the HOD

Dr. A. K. J. THARANI, M.Sc., M.Phil., Ph.D.,

HOD & Associate Professor

Department of Mathematics

St. Mary's College (Autonomous)

Thoothukudi - 628001.

G. Brizilla Pacifica.

Signature of the Examiner

LuciaTM Rose

Signature of the Principal

St. Mary's College (Autonomous)

Thoothukudi - 628 001.

CONTENT

CHAPTER	TOPIC	PAGE NO.
	Introduction	1
1	Preliminaries	3
2	Bounds for the Magic Number	6
3	Odd and Even Numbers on the Vertices	15
4	Edge Magic Labeling for Some	
	Class of Graphs	22
	Conclusion	34
	Bibliography	35

STATISTICS WITH R

Project Report submitted to

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI.

In partial fulfilment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names	Register number
Everistta N	17AUMT10
Jeba Sangeetha S	17AUMT13
Muthu Petchi K	17SUMT72
Sherina Jacinth S	17AUMT43
Subhashri A R	17AUMT51

Under the Guidance of

Dr. Sr. S. Kulandai Therese M.Sc., B.Ed., M.Phil., Ph.D.

Assistant Professor in Mathematics

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.



Department of Mathematics

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled "STATISTICS WITH R" being submitted to **St. Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during the year 2019-2020 by the following students:

Everistta N

17AUMT10

Jeba Sangeetha S

17AUMT13

Muthu Petchi K

17SUMT72

Sherina Jacinth S

17AUMT43

Subhashri A R

17AUMT51



Signature of the Guide



Signature of the HOD

Dr. A. MANIYATHARAN, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.



Signature of the Examiner



Signature of the Principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
	PRELIMINARY	
I	INTRODUCTION TO R	1
II	FREQUENCIES AND PARTITION VALUES	8
III	CENTRAL TENDENCY, VARIATION AND CORRELATION	13
IV	TYPES OF PLOTS	20
V	TIME SERIES ANALYSIS	34
VI	DECISION MAKING AND LOOPS	37
VII	CONCLUSION	43
	REFERENCES	45

TOPOLOGICAL INDICES OF THE TENSOR PRODUCT OF GRAPHS

Project Report submitted to

ST.MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

in partial fulfillment of the requirement for the award of degree of

Bachelor of Science in Mathematics

Submitted by

Names	Register number
NITHYA.G	17AUMT26
PAVITHRA HARINI.R	17AUMT27
PREETHI.R	17AUMT29
RAMYA LAKSHMI.P	17AUMT32
SEETHA LAKSHMI.R	17AUMT39

Under the Guidance of

Dr.Sr.S.Kulandai Therese, M.Sc.,B.Ed.,M.Phil.,Ph.D.

Associate Professor in Mathematics

ST.MARY'S COLLEGE(Autonomous), THOOTHUKUDI.



Department of Mathematics

ST.MARY'S COLLEGE (Autonomous), THOOTHUKUDI.

(2019-2020)

CERTIFICATE

We hereby declare that the project report entitled "**TOPOLOGICAL INDICES OF THE TENSOR PRODUCT OF GRAPHS**" being submitted to **St.Mary's College (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfillment for the award of degree of **Bachelor of Science in Mathematics** and it is a record of work done during 2019-2020 by the following students:

NITHYA.G	17AUMT26
PAVITHRA HARIN.R	17AUMT27
PREETHI.R	17AUMT29
RAMYA LAKSHMI.P	17AUMT32
SEETHA LAKSHMI.R	17AUMT39



Signature of the Guide



Signature of the HOD

Dr. A. ~~PAVITHRA~~ THARANI, M.Sc., M.Phil., Ph.D.,
HOD & Associate Professor
Department of Mathematics
St. Mary's College (Autonomous)
Thoothukudi - 628001.


Signature of the Examiner



Signature of the Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

INDEX

Abstract

Introduction

1. Basics of Graph theory.....1
2. Tensor Product of a Graph with Complete Multipartite Graph.....5
3. Wiener Index of the Tensor Product of Graphs.....10
4. Hyper Wiener Index of the Tensor Product of Graphs.....23
5. Padmaker Ivan Index of the Tensor Product of Graphs.....36
6. Edge Szeged Indices of Molecular Graphs.....48

Conclusion

References