A STUDY ON TRIPLE CONNECTED DOMINATION IN GRAPHS

Dissertation submitted to

St. Mary's College(Autonomous)

Thoothukudi

affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY

in partial fulfillment of the requirements

for the award of the Degree of

MASTER OF PHILOSOPHY IN MATHEMATICS

By

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THOOTHUKUDI-628001

AUGUST 2018

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This is to certify that the dissertation entitled **A Study on Triple Connected Domination in Graphs** submitted to St.Mary's College (Autonomous), Thoothukudi, affiliated to Manonmaniam Sundaranar University, in partial fulfillment of the requirements for the award of the Degree of Master of Philosophy in Mathematics is a work done by **S.Gurumathi** during the year 2017-2018, and that it has not previously formed the basis for the award of any degree, diploma or similar title.

Place: Thoothukudi

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I hereby declare that the dissertation entitled **A Study on Triple Connected Domination in Graphs** submitted to St. Mary's College (Autonomous), Thoothukudi, affiliated to Manonmaniam Sundaranar University, in partial fulfillment of the requirements for the award of the Degree of Master of Philosophy in Mathematics is my original work and that, it has not previously formed the basis for the award of any degree, diploma or similar title.

Place: Thoothukudi

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A STUDY ON NEW TYPE OF GENERALIZED CLOSED SETS IN TOPOLOGICAL SPACES

A Dissertation submitted to

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A STUDY ON GENERALIZED αb-CLOSED SETS IN

TOPOLOGICAL SPACES

Dissertation submitted to

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Date: 16.8.2018

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CERTAIN INVESTIGATIONS ON S_g^*-OPEN SETS AND GENERALIZED S_g^*-OPEN SETS IN TOPOLOGICAL SPACES

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STUDY ON DERIVATIONS OF INCLINE ALGEBRA

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A STUDY ON INTEGRAL ROOT LABELING OF GRAPHS

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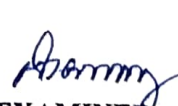**HEAD OF THE DEPARTMENT**
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STUDY ON GENERALIZATIONS OF CLOSED SET IN BITOPOLOGICAL SPACE

A Dissertation submitted to

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