## Mahatma Gandhi University
### (Abstract)

Ph.D Programme in Mathematics- 2018 Admission - Registration for Research - granted - Orders Issued.

## ACADEMIC A II SECTION

U.O.No.8631/4/2018/Academic/AII                    Dated, Priyadarsini Hills, 11.12.2018

Read: 1. UGC (Minimum Standards and Procedure for Award of M.Phil/Ph.D Degrees) Regulations, 2016
   2. U.O.No.448/A X/3/2017/Academic dated 24.01.2017
   3. Notification No.Ac AX/Gen./Ph.D Regn./N&A/2018 dated 30.06.2018
   4. U.O.No.7038/2018/AX/Gen/Academic Dated 04.09.2018
   5. Minutes of the meeting of the Doctoral committee held on 09.11.2018

### ORDER

Sanction has been accorded by the Vice Chancellor to grant registration for research in the Discipline of Mathematics under the faculty of science to the following candidates in accordance with the references cited above.

| Reg. No & Year | Name & Address of the research scholar | Subject/ Specialisation | Name of the supervising teacher | Centre of Research | Title of research | Mode of research |
|---|---|---|---|---|---|---|
| 114/ 2018 | Beena G.P Puthumana, Thekkil Chanappara P.O, Kadakkal Kollam (Dist) | Mathematics | Dr.A.K.Anil Kumar | Vikram Sarabhai Space Centre, Trivandrum | Innovative Time Series Approaches to Modeling and Prediction of Some Astrophysical Parameters | Part Time |
| 115/ 2018 | Sreedevi V.S. Vadakkumal Chandrikalayam S.H.M.P.O, Kottayam – 686 006 | Mathematics | Dr.Bloomy Joseph | Marthoma College, Thiruvalla | Studies in L-Fuzzy graphs | Full Time |
| 116/ 2018 | P.R.Neethu W/o Manu Mohan Sreenilayam, Vikas Nagar, Parakatt Temple Road, Thrikkakara P.O Pin – 682 021 | Mathematics | Dr.Bloomy Joseph | Marthoma College, Thiruvalla | Generalized Fuzzy Absolutes | Full Time |

| 117/2018 | Sreeraj K.S Sivakripa (H) Chendamangalam P.O., North Paravur Pin – 683 512 | Mathematics | Dr.Indulal G | Marthoma College, Thiruvalla | A Study on the Spectra of Graphs Associated with Finite Groups | Part Time |
|---|---|---|---|---|---|---|
| 118/2018 | Jinu Mary Jameson Kalarickal Edinjillam Perumthuruthi P.O., Thiruvalla- 689 107 | Mathematics | Dr.Indulal G | Marthoma College, Thiruvalla | A Study on the Normalized Laplacian Spectra of Graphs | Part Time |
| 119/2018 | Deena C. Scaria Athirickal Kavumbhagom P.O Thiruvalla Pathanamthitta Pin – 689 102 | Mathematics | Dr.Indulal G | Marthoma College, Thiruvalla | A Study on the Spectrum and Spectoral Related Parameters of Graphs | Part Time |
| 120/2018 | Liju Alex Olickal (H) Karikayam P.O Chittar Pathanamthitta Pin – 689 663 | Mathematics | Dr.Indulal G | Marthoma College, Thiruvalla | A Study on the Topological Indices of Some Classes of Graphs | Part Time |
| 121/2018 | Jini Johny C.J Chakkalakkal (H) Kumbalanghi P.O Cochin – 682 007 | Mathematics | Dr.Indulal G | Marthoma College, Thiruvalla | A Study on the Spectra of Directed Graphs | Full Time |
| 122/2018 | Ligin P Mathew Parappattu (H) Thonniamala P.O., Pathanamthitta Pin – 689 668 | Mathematics | Dr.Lovelymol Sebastian | St.Thomas College, Pala | Theory and Applications of Integral Equations: A Fuzzy Approach | Part Time |
| 123/2018 | Priya Mathews Porappattu (H) Thonniamala P.O., Naranganam Pathanamthitta Pin – 689 668 | Mathematics | Dr.Lovelymol Sebastian | St.Thomas College, Pala | Mathematical Computation and Modelling Using Differential Equations In Fuzzy Environment. | Part Time |
| 124/2018 | Divya Mol K.T Kallarackal (H) Chakkupallam P.O., 6th Mile, Kumily Pin – 685 509 | Mathematics | Dr.Lovelymol Sebastian | St.Thomas College, Pala | Complex Fuzzy sets and Complex Fuzzy Matrices | Full Time |

| 126/ 2018 | Eldo Varghese Pandamkuzhiyil (H) Kadepilly Road U C College P.O Aluva – 683 102 | Mathematics | Dr.Madhavan Namboothiri N.M. | St.Thomas College, Pala | A Study on the Linear Algebraic aspects of Language Theory | Part Time |
|---|---|---|---|---|---|---|
| 127/ 2018 | Ajo Jose Thekkummoottil (H) N.R.City P.O., Rajakkadu, Idukki Pin – 685 566 | Mathematics | Dr.Madhavan Namboothiri N.M. | St.Thomas College, Pala | Some problems on discrete flows and lattices | Full Time |
| 128/ 2018 | Deepa S Aswathy Variem Road Thiruvankulam P.O. Ernakulam–682 305 | Mathematics | Dr.Paul Isaac | Bharata Mata College, Thrikkakara | A Study on Algebraic Structures of Complex Fuzzy Sets | Full Time |
| 129/ 2018 | Aiswarya S.Sasidharan C/o Sreedev Chandran Chirakkarakuzhiyil, Chempilavu, Kottayam – 686 584 | Mathematics | Dr.Sabu M C | St.Albert's College, Ernakulam | Study of Strong gravitational field using Einstein's field equations | Full Time |
| 130/ 2018 | Jeet Kurian Mattam Mattathil Neelakattu (H) Kurianad P.O., Monipally (Via) Kottayam – 686 636 | Mathematics | Dr.Sabu M C | St.Albert's College, Ernakulam | A Study on Mathematical models Representing Space Times of Gravitational Significance | Part Time |
| 131/ 2018 | Sini P.D W/o Abhinandhuh Moothedan Meloor P.O., Thrissur- 680 311 | Mathematics | Dr.Sabu M C | St.Albert's College, Ernakulam | Secured Cryptographic Encryption Algorithms | Part Time |
| 132/ 2018 | Christy P Antony Pathiparambil (H) Mukkattupady Thrickodithanam P.O., Changanacherry Pin – 686 105 | Mathematics | Dr. Shine C Mathew | S.B College, Changanacherry | A Study on Graphs associated with Commutative Rings | Full Time |
| 133/ 2018 | Anju Thomas Plathottam (H) Nadackal P.O., Erattupetta Pin – 686 121 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | Application of Intuitionistic Fuzzy set Theory in Optimization Techniques | Full Time |

| 134/2018 | Josna James Kottarathil (H) Thidanadu P.O Thanninal, Kottayam Pin – 686 123 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | Intuitionistic Fuzzy Approach in Optimization Techniques and Graph Theory | Full Time |
|---|---|---|---|---|---|---|
| 135/2018 | Jeswin B George Komarathakunnel (H) Moonnilavu P.O. Kottayam (Dist) Pin – 686 586 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | Some Applications of Intutionistic Fuzzy Set Theory | Full Time |
| 136/2018 | Afshan RDS Nedungadan 9 C St.Benedict Road North P.O., Kacheripady Pin – 682 018 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | A Study on Intutionistic Fuzzy logic and its applications | Part Time |
| 137/2018 | Johnson Abraham Nellikunnel, Mutholy P.O., Kottayam (Dist) Pin – 686 573 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | Modelling of Networks Using Graph Theory | Part Time |
| 138/2018 | Tessymol Abraham Machiyanickal (H) Edamattom P.O., Kottayam Pin – 686 578 | Mathematics | Dr.Shiny Jose | St.Thomas College, Pala | A Study on Graph Labeling and It's Applications | Part Time |
| 139/2018 | Merin Jose Punchathazhathu (H) Santhigiri Residency Podimattam, Palampra P.O. Koovapally Pin – 686 518 | Mathematics | Dr.Sunil C Mathew | St.Thomas College, Pala | A Study on *LM*-Fuzzy Topologies and Related Topics | Full Time |
| 140/2018 | Bilu Miriam Baby Valiyavila Baby Bhavan Karukone P.O., Puthayam Anchal, Kollam Pin – 691 324 | Mathematics | Dr.Varghese C Joshua | CMS College, Kottayam | Mathematical Analysis and Optimisation of Some Queueing Inventory Models by Search of Customers | Full Time |
| 271/2018 | Jeena M S Melpallikudi (H) Poopara P.O Idukki District Pin – 685 619 | Mathematics | Dr.Lovelymol Sebastian | St.Thomas College, Pala | Fixed Point Theorems in Various Metric Spaces | Full Time |

The candidates have to report to the Research Centre immediately and shall undergo the course work which commences on 1st January 2019 (if not a holiday) which is applicable to the part-time research scholars too, irrespective of their joining in spells. However, in the case of candidates having scholarships like JRF/MANF etc., the effective date of registration will be the date of joining in the research centre.

The registration will be confirmed only after the sucessful completion of course work.

The maximum and minimum period of research is as per University Grants Commission (Minimum Standards and Proceedure for Award of M.Phil/Ph.D Degrees) Regularions, 2016.

Order are issued accordingly.

Sd/-
Baiju N
Assistant Registrar IV (Academic )
For Registrar

Copy to:
(1) The candidates concerned
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(3) The Head of the Research Centre concerned
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Section Officer