



MAHATMA GANDHI UNIVERSITY, KERALA

(Abstract)

Ph.D. Programme in Physics- 2018 & 2019 Admission – Course Work Examination - Syllabus of Course III - Approved - Orders issued.

ACADEMIC AXI SECTION

U.O. No. 473 /2020/AXI/1/Academic

P.D. Hills, Dated, 11.03.2020

Read: (1) Regulations for research leading to the award of the degree of Doctor of Philosophy, 2016.

ORDER

The Syllabi of Paper III of the Course Work Examination 2020 in respect of the following candidates of research in Physics prepared and submitted by the Supervising teachers are given below .

Reg No & Year	Name & Address of the Candidate	Subject	Name of the Supervising Teacher	Name of the Centre	Title of Research Work	Nature of Reg
25/2019	Alphonsa Paul	Physics	Dr. Tina Sebastian	Maharaja's College, Ernakulam.	Development and fabrication of efficient solid state dye sensitized solar cells with improved stability	Full Time
26/2019	Anjumol B	Physics	Dr. Mercy Mathews	Kuriakose Elias College, Mannanam	Removal of heavy metal ions from water using magnetic iron oxide nanoparticles	Full Time
27/2019	Anoop S	Physics	Dr. Jaiby Joseph	Kuriakose Elias College, Mannanam	Structure studies of heavy nuclei with increasing angular momentum	Full Time
29/2019	Aryadevi G	Physics	Dr. Preema C Thomas	CMS College, Kottayam,	Investigations on electrically active nanocomposites	Full Time
30/2019	Ben Jos	Physics	Dr. E .I Anila	Union Christian College, Aluva	Synthesis and characterisation of transparent conducting oxides.	Part Time
31/2019	Bushramol. S	Physics	Dr. Ravikumar C	C M S College, Kottayam	Experimental and theoretical studies on vibrational spectral analysis of anti-psychotic drugs	Full Time

32/ 2019	Christeena Thomas	Physics	Dr. Reshmi R	Union Christian College, Aluva	Synthesis of 2D transition metal dichalcogenides for sensing applications	Full Time
33/ 2019	Elizabeth Thomas	Physics	Dr. Noble.P Abraham	Mar Thoma College, Tiruvalla,	Association of climatic changes with solar activity	Full Time
34/ 2019	Geethu Joseph	Physics	Dr. Ginson P Joseph	St Thomas College, Pala	Studies on the electrical, thermal and nonlinear optical properties of conductive polymer nano composites	Full Time
35/ 2019	Girija G	Physics	Dr.Manjusha M.V	The Cochin College, Kochi	Thermal,Magnetic and Biological Characterization of Sol-Gel derived BiFeO ₃ nanoparticles	Part Time
36/ 2019	Harikrishnan N	Physics	Dr. R. Pragash	Government College, Nattakom, Kottayam	Improved luminescence in praseodymium doped rare earth oxalate crystals synthesized through a hydro silica gel method	Full Time
39/ 2019	Lekshmi P.Kumar	Physics	Dr.Nibu A George	Baselius College, Kottayam.	Tailoring of optical and thermal properties of natural dyes and pigments by the addition of nanoparticles.	Full Time
40/ 2019	Linu Mary Joseph	Physics	Dr. Shinoj V.K	Union Christian College,Aluva	Optical characterization of food using spectroscopic techniques for quality analysis	Full Time
41/ 2019	Manu Mohan P	Physics	Dr. Nibu A George	Baselius College Kottayam	Development of nanoparticle based sensors	Full Time
42/ 2019	Maria Jose	Physics	Dr. Jaiby Joseph	Kuriakose Elias College Mannanam	Evaporation residue measurements in highly fissile compound nuclei	Part Time
43/ 2019	Martin Mathew	Physics	Dr. Jaiby Joseph	Kuriakose Elias College Mannanam	Investigation of neutron shell closure effects on nuclear dissipation	Full Time
44/ 2019	Mathew John	Physics	Dr.Thomas Varghese	Newman College Thodupuzha	Studies on the properties of nanostructured cobalt tungstates and their potential applications	Full Time

45/ 2019	Minu Pius	Physics	Dr. Santhi A	St. Teresa's College Ernakulam	Photocatalytic and photothermal studies of multifunctional hybrid nanocomposites	Part Time
46/ 2019	Neha P.R	Physics	Dr. Joe Jacob	Newman College Thodupuzha	Multiwavelength variability studies of active galactic nuclei	Part Time
47/ 2019	Niranjana P V	Physics	Dr. Mercy Mathews	Kuriakose Elias College Mannanam	Synthesis and characterisation of superparamagnetic iron oxide nanoparticles for biomedical applications	Full Time
48 / 2019	Rani Mariam Cherian	Physics	Dr. Ravikumar C	C M S College, Kottayam	Density functional theoretical studies and vibrational spectral investigation of antibacterial compounds	Full Time
49 / 2019	Reethu Jayaprakash E	Physics	Dr. Lijo Jose	SB College, Changanacherry	A study on the effects of aerosols on the atmospheric parameters and their impact on weather patterns over india and the adjoining oceanic regions	Full Time
50 / 2019	Renny Elizabeth Oommen	Physics	Dr. Angel Susan Cherian	Marthoma College, Tiruvalla,	Synthesis and characterisation of tin oxide films for solar cell applications	Full Time
51 / 2019	Roshan Joseph Mathew	Physics	Dr Sajeev U.S	Government College, Kottayam	Investigations on carrier transport mechanisms in conducting polymer nanostructures for energy applications	Full Time
52 / 2019	Priya S.Nair	Physics	Dr.Rachel Reena Philip	Union Christian College, Aluva	Synthesis and characterization of metal oxide and doped metal oxide nanostructures for biomedical and gas sensing applications	Part Time
53 / 2019	Priya S S	Physics	Dr. E .I Anila	Union Christian College, Aluva	Synthesis and characterization of aluminum doped zinc oxide by RF magnetron sputtering	Part Time
54 / 2019	Soorya G Nath	Physics	Dr. E .I Anila	Union Christian College, Aluva	Synthesis and characterisation of nanophosphors	Full Time

55 / 2019	Sreelekshmi.N	Physics	Dr.Ravikumar C	C M S College, Kottayam	Spectroscopic investigations of nonlinear optical donor- π -acceptor conjugated strutures	Full Time
57 / 2019	Vrinda S Punnakkal	Physics	Dr. E .I Anila	Union Christian College, Aluva	Preparation of conducting polymers and investigations on their properties	Part Time
362 / 2018	Bismi Badherdheen	Physics	Dr.Raneesh B	Catholicate College, Pathanamthitta	Fabrication of Nano-Energy Generator for Powering the Portable Electronic Devices using Piezoelectric and Triboelectric Effect.	Full Time

The Vice-Chancellor has approved the syllabi of Paper III of the Course Work Examination in respect of the above research scholars.


Orders are issued accordingly.

Sd/-
Suresh Babu K.
Assistant Registrar IV (Acad)
For Registrar

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