



MAHATMA GANDHI UNIVERSITY

Time Table for IV Semester M.Sc. 2018 Admission - Regular Study/ 2017,2016 & 2015 Admissions Supplementary/2014, 2013 & 2012 Admissions Mercy Chance (CSS) Degree

Examinations June 2020

Ref: Notification No. EA I/2/430/ PG Examinations dated 19.05.2020

FACULTY OF SCIENCE

(Time: 1.30 pm to 4.30 pm on all days except Fridays, on Fridays 2.00 pm to 5.00 pm & 1.00 pm to 5.00 pm on *)

Branch I (A) Mathematics

Day & Date	Code	Subject
Tuesday 23.06.2020	MT04C16	Spectral Theory (Programme Core- Common for all)
<u>ELECTIVE COURSES</u>		
Thursday 25.06.2020	MT04E01	Analytic Number Theory
Friday 26.06.2020	MT04E02	Combinatorics
Monday 29.06.2020	MT04E03	Classical Mechanics
Tuesday 30.06.2020	MT04E04	Probability Theory
Wednesday 01.07.2020	MT04E05	Mathematical Economics
Thursday 02.07.2020	MT04E06	Mathematics for Computing
Monday 06.07.2020	MT04E07	Operations Research
Tuesday 07.07.2020	MT04E08	Special Functions
Wednesday 08.07.2020	MT04E09	Theory of Wavelets
Thursday 09.07.2020	MT04E11	Commutative Algebra
Friday 10.07.2020	MT04E13	Algorithmic Graph Theory
Monday 13.07.2020	MT04E14	Coding Theory
Tuesday 14.07.2020	MT04E15	Complex Algebraic Curves
Wednesday 15.07.2020	MT04E17	Fractal Geometry
Thursday 16.07.2020	MT04E18	Lie Algebras
Friday 17.07.2020	MT04E19	Algebraic Topology

CHEMISTRY
BRANCH III PURE CHEMISTRY
ELECTIVE COURSES

Tuesday 23.06.2020	CH4E01	Advanced Inorganic Chemistry
Friday 26.06.2020	CH4E02	Advanced Organic Chemistry
Tuesday 30.06.2020	CH4E03	Advanced Physical Chemistry
Thursday 02.07.2020	CH4E04	Polymer Chemistry
Monday 06.07.2020	CH4E05/POE04/ AP4E04/ PHE04	Analytical Chemistry (common with Br. IV (B) Polymer Chemistry & Br. V (A) Applied Chemistry, Br. V (B) Pharmaceutical Chemistry)

BRANCH IV (A) ANALYTICAL CHEMISTRY

Tuesday 23.06.2020	AN4E01	Analytical Procedures
Friday 26.06.2020	AN4E02	Instrumental Methods of Analysis
Tuesday 30.06.2020	AN4E03	Modern Analytical Techniques and Green Chemistry
Thursday 02.07.2020	AN4E04	Applied Analysis and Aquatic Resources

BRANCH IV (B) POLYMER CHEMISTRY

Tuesday 23.06.2020	PO4E01	Polymerization Methods and Properties of Polymers
Friday 26.06.2020	PO4E02	Advances in Polymer Science and Technology
Tuesday 30.06.2020	PO4E03	Advanced Organic Chemistry
Monday 06.07.2020	PO4E04/CH4E05/ AP4E04/PH4E04	Analytical Chemistry {Common with Br. III Pure Chemistry, Br. V(A) Applied Chemistry, Br. V(B) Pharmaceutical Chemistry}

BRANCH V (A) APPLIED CHEMISTRY
ELECTIVE COURSES

Tuesday 23.06.2020	AP4E01	Fats, Oils and Waxes
Friday 26.06.2020	AP4E02	Industrial Oil and Fat Products
Tuesday 30.06.2020	AP4E03	Chemistry of Aromatics and Essential Oil Constituents
Monday 06.07.2020	AP4E04/CH4E05/ PO4E04/PH4E04	Analytical Chemistry {Common with Br. III Pure Chemistry, Br. IV (B) – Polymer Chemistry, Br. V(B) Pharmaceutical Chemistry}

BRANCH V (B) PHARMACEUTICAL CHEMISTRY
ELECTIVE COURSES

Tuesday 23.06.2020	PH4E01	Bacteriology and Bio-Chemistry
Friday 26.06.2020	PH4E02	Advanced Pharmaceutical Operations and Dispensing
Tuesday 30.06.2020	PH4E03	Medicinal Chemistry
Monday 06.07.2020	PH4E04/CH4E05/ AP4E04/PO4E04	Analytical Chemistry {Common with Br. III Pure Chemistry, Br. IV(B) Polymer Chemistry, Br. V(A)-Applied Chemistry}

BRANCH VI BOTANY
PROGRAMME ELECTIVE – BIO-TECHNOLOGY

Tuesday 23.06.2020	PE1	Tissue Culture and Microbial Bio-Technology
Friday 26.06.2020	PE2	Genetic Engineering
Tuesday 30.06.2020	PE3	Genomics, Proteomics and Bio-informatics

PROGRAMME ELECTIVE – ENVIRONMENTAL SCIENCE

Tuesday 23.06.2020	PE1	Basic Concepts in Environmental Studies
Friday 26.06.2020	PE2	Natural Resources and their Management
Tuesday 30.06.2020	PE3	Environmental Monitoring and Management

PROGRAMME ELECTIVE – MICROBIOLOGY

Tuesday 23.06.2020	PE1	Food Agricultural and Environmental Microbiology
Friday 26.06.2020	PE2	Clinical Microbiology
Tuesday 30.06.2020	PE3	Industrial Microbiology

BRANCH VIII ZOOLOGY
ELECTIVE COURSE A- ENTOMOLOGY

Tuesday 23.06.2020	ZY4AET01	Morphology and Taxonomy
Friday 26.06.2020	ZY4AET02	Anatomy and Physiology
Tuesday 30.06.2020	ZY4AET03	Applied Entomology

ELECTIVE COURSE B- FISHERY SCIENCE

Tuesday 23.06.2020	ZY4BET01	Ichthyology
Friday 26.06.2020	ZY4BET02	Fishery Resources & Management
Tuesday 30.06.2020	ZY4BET03	Fishery Technology

ELECTIVE COURSE C- ENVIRONMENTAL SCIENCE

Tuesday 23.06.2020	ZY4CET01	Environmental Science: Concepts & Approaches
Friday 26.06.2020	ZY4CET02	Environmental Pollution & Toxicology
Tuesday 30.06.2020	ZY4CET03	Environmental Management & Development

ELECTIVE COURSE D- MEDICAL MICROBIOLOGY

Tuesday 23.06.2020	ZY4DET01	General Microbiology & Parasitology
Friday 26.06.2020	ZY4DET02	Bacteriology , Virology & Mycology
Tuesday 30.06.2020	ZY4DET03	Clinical Microbiology

BRANCH IX STATISTICS

Tuesday 23.06.2020	ST4C16/AS4E01	Statistical Quality Control (Programme Core-Common with M.Sc Applied Statistics with Computer Applications)
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ELECTIVES

Thursday 25.06.2020	ST4E01/AS4E02	Econometric Methods (Common with M.Sc Applied Statistics with Computer Applications)
Friday 26.06.2020	ST4E02/AS4E03	Operations Research (Common with M.Sc Applied Statistics with Computer Applications)
Monday 29.06.2020	ST4E03	Statistical Reliability Analysis
Tuesday 30.06.2020	ST4E04/AS4E04	Population Dynamics (Common with M.Sc Applied Statistics with Computer Applications)
Wednesday 01.07.2020	ST4E05	Statistical Decision Theory
Thursday 02.07.2020	ST4E06	Advanced Distribution Theory
Monday 06.07.2020	ST4E07/AS4E08	Time Series Analysis (Common with M.Sc Applied Statistics with Computer Applications)
Tuesday 07.07.2020	ST4E08	Statistical Computing - 3

BRANCH II: PHYSICS**A. PURE PHYSICS
(Common for all)**

Tuesday 23.06.2020	PH4C11	Atomic & Molecular Physics
Friday 26.06.2020	PH4C12	Nuclear & Particle Physics

ELECTIVE BRANCH A- ELECTRONICS

Tuesday 30.06.2020	PH4EA3	Instrumentation & Communication Electronics
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ELECTIVE BRANCH B- INFORMATICS

Tuesday 30.06.2020	PH4EB3	Computer Applications in Physics
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ELECTIVE BRANCH C- MATERIAL SCIENCE

Tuesday 30.06.2020	PH4EC3/PHEME3	Nano Structures & Characterisation (Common with D Material Sciences)
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ELECTIVE BRANCH D-THEORETICAL PHYSICS

Tuesday 30.06.2020	PH4ED3	Quantum Field Theory
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OPEN ELECTIVE BRANCH

Thursday 02.07.2020	PH4OE1	Optoelectronics
Monday 06.07.2020	PH4OE2	Software Engineering & Web Design
Tuesday 07.07.2020	PH4OE3/PH4ME4	Thin Film & Nano Science (Common with D Material Science)
Wednesday 08.07.2020	PH4OE4	General Relativity & Cosmology

C. APPLIED PHYSICS

Tuesday 23.06.2020	AP4C11	Nuclear Physics & Astrophysics
Friday 26.06.2020	AP4C12	Computational Physics
Tuesday 30.06.2020	AP4E03	Photonics II
Thursday 02.07.2020	AP4E04	Fibreoptics

D. MATERIAL SCIENCES

Tuesday 23.06.2020	PH4MC1	Advanced Quantum Mechanics
Friday 26.06.2020	PH4MC2	Atomic & Molecular Spectroscopy
Tuesday 30.06.2020	PH4ME3/PH4EC3	Nano Structures & Characterisation (<i>Common with A. Pure Physics</i>)
Tuesday 07.07.2020	PH4ME4/PH4OE3	Thin Film & Nano Science (<i>Common with A. Pure Physics</i>)

BRANCH X: HOME SCIENCE

A-CHILD DEVELOPMENT & BEHAVIOUR SCIENCE

Tuesday 23.06.2020	HSCD4ET01	Gerontology & Care of the Elderly
Friday 26.06.2020	HSCD4ET02	Guidance & Counselling
Tuesday 30.06.2020	HSCD4ET03/ HSRM4ET03	Women's Studies (Common with B-Resource Management and Interior Designing)
Thursday 02.07.2020	HSCD4ET04/ HSRM4ET04/ HSFN4ET04/ HSDF4ET04	Entrepreneurship Management { Common with X(B), X(C) & XE }

B-RESOURCE MANAGEMENT & INTERIOR DESIGNING

Tuesday 23.06.2020	HSRM4ET01	Landscaping & Floriculture
Friday 26.06.2020	HSRM4ET02	Commercial & Residential Interior Space Designing
Tuesday 30.06.2020	HSRM4ET03/ HSCD4ET03	Women's Studies (Common with A, Child Development and Behaviour Science)
Thursday 02.07.2020	HSRM4ET04/ HSCD4ET04/ HSFN4ET04/ HSDF4ET04	Entrepreneurship Management {Common with X(A), X(C) and X(E)}

C- FOOD SCIENCE & NUTRITION

Tuesday 23.06.2020	HSFN4ET01/ HSDF4ET01	Public Health Nutrition {Common with X(E)}
Friday 26.06.2020	HSFN4ET02	Biophysical Techniques
Tuesday 30.06.2020	HSFN4ET03/ HSDF4ET03	Nutrition for Sports & Fitness {Common with X(E)}
Thursday 02.07.2020	HSFN4ET04/ HSRM4ET04/ HSCD4ET04/ HSDF4ET04	Entrepreneurship Management {Common with X(A), X(B) and X(E)}

D – COMMUNITY & FAMILY SCIENCE

Tuesday 23.06.2020	HSCF4ET01	Sustainable Development & Organisation
Friday 26.06.2020	HSCF4ET02	Product Development, Marketing & Entrepreneurship Development
Tuesday 30.06.2020	HSCF4ET03	Human Rights, Mental Health Perspectives & Gerontology
Thursday 02.07.2020	HSCF4ET04	Clothes, Furnishing & Nutrition for Special Needs (Sports, Fitness & Disabilities)

E-DIETETICS & FOOD SERVICE MANAGEMENT

Tuesday 23.06.2020	HSDF4ET01/ HSFN4ET01	Public Health Nutrition {Common with X(C)}
Friday 26.06.2020	HSDF4ET02	Food Microbiology & Sanitation
Tuesday 30.06.2020	HSDF4ET03/ HSFN4ET03	Nutrition for Sports & Fitness {Common with X(C)}
Thursday 02.07.2020	HSDF4ET04/ HSFN4ET04/ HSRM4ET04/ HSCD4ET04	Entrepreneurship Management {Common with X(A), X(B) and X(C)}

BRANCH XI: GEOLOGY

Tuesday 23.06.2020	GL4E1A	Marine Geology
Friday 26.06.2020	GL4E2B	Environmental Geology & Disaster Management
Tuesday 30.06.2020	GL4E3A	Petroleum Geology & Micro Paleontology

BIO-STATISTICS

Tuesday 23.06.2020	BSTA401	R Programming Bayesian Inference and MCMC Methods
Friday 26.06.2020	BSTA402	Survival Analysis and Demography
Tuesday 30.06.2020	BSTA403	Controlled Clinical Trials and Operations Research
Thursday 02.07.2020	BSTA404	Bioinformatics and Computational Biology
Wednesday 08.07.2020	BSTA405	Advanced Statistical Computing and Data Analysis Using Advanced SAS and R *(4 hours - 1PM to 5 PM)

APPLIED STATISTICS WITH COMPUTER APPLICATIONS
(Common with M.Sc. Statistics)

Tuesday 23.06.2020	AS4E01/ST4C16	Statistical Quality Control (Common with Br IX Statistics)
Thursday 25.06.2020	AS4E02/ST4E01	Econometric Methods (Common with Br IX Statistics)
Friday 26.06.2020	AS4E03/ST4E02	Operations Research (Common with Br IX Statistics)
Tuesday 30.06.2020	AS4E04/ST4E04	Population Dynamics (Common with Br IX Statistics)
Monday 06.07.2020	AS4E08/ST4E07	Time Series Analysis (Common with Br IX Statistics)

(Not Common with M.Sc. Statistics)

Wednesday 08.07.2020	AS4E05	JAVA Programming
Friday 10.07.2020	AS4C16	Multivariate Analysis
Monday 13.07.2020	AS4E06	Statistical Computing -2

OR & CA

Tuesday 23.06.2020	ORSE03	Advanced Game Theory
Friday 26.06.2020	ORSE06	Quality Control & Assurance
Tuesday 30.06.2020	ORCE01	Computer Networks
Thursday 02.07.2020	ORCE02	Web Programming Using JavaScript & PHP

TEXTILES & FASHION

Tuesday 23.06.2020	TF4E01P	Entrepreneurship Management & Retailing
Friday 26.06.2020	TF4E02P	Technical Textiles
Tuesday 30.06.2020	TF4E03P	Fashion Presentation & Choreography

ACTUARIAL SCIENCE

Tuesday 23.06.2020	ACTS401	Life & Health Contingencies -II
Friday 26.06.2020	ACTS402	Statistical Methods -II
Tuesday 30.06.2020	ACTS403	Finance & Financial Reporting -II
Thursday 02.07.2020	ACTS404	Actuarial Risk Management -II
Monday 06.07.2020	ACTS405	Marketing of Services

PSYCHOLOGY

Tuesday 23.06.2020	PS4PE13	Contemporary Issues & Role of Psychology in Social Engineering
Friday 26.06.2020	PS4PE14B2	Clinical Psychology - II
Tuesday 30.06.2020	PS4PE15B3	Psychotherapy
Thursday 02.07.2020	PS4PE14C2	Psychology of Differently Abled
Monday 06.07.2020	PS4PE15C3	Counselling in School Setting
Wednesday 08.07.2020	PS4PE14E2	Forensic Psychology
Friday 10.07.2020	PS4PE15E3	Criminal Forensic Psychology
Monday 13.07.2020	PS4PE14D2	Human Resource Development
Wednesday 15.07.2020	PS4PE15D3	Consumer Behaviour and Advertising Psychology

FOOD TECHNOLOGY AND QUALITY ASSURANCE/ FOOD SCIENCE AND QUALITY CONTROL/ FOOD SCIENCE AND TECHNOLOGY

Tuesday 23.06.2020	FT4MPE719	Food Quality Assurance & Management
Friday 26.06.2020	FT4MPE720	Fermentation Technology
Tuesday 30.06.2020	FT4MPE721	Food Processing Technology
Thursday 02.07.2020	FT4MPE722	Spices & Flavour Technology
Monday 06.07.2020	FT4MPE723	Food Industrial Sanitation & Hygiene

FOOD AND INDUSTRIAL MICROBIOLOGY

Tuesday 23.06.2020	FDIM411	Food in Relation to Disease
Friday 26.06.2020	FDIM412	Biostatistics, Computer Applications and Research Methodology
Tuesday 30.06.2020	FDIM4E7	Elective: Nutraceuticals

COMPUTER SCIENCE

Tuesday 23.06.2020	MCS 4C1	Data Mining
<u>ELECTIVE GROUP- A</u>		
Friday 26.06.2020	MCS 4EA1 MCS 4EA2 MCS 4EA3 MCS 4EA4 MCS 4EA5 MCS 4EA6	Web Programming – Lamp Distributed Computing Compiler Construction Computational Linguistics Visual Programming Visual C++

ELECTIVE GROUP - B		
Tuesday 30.06.2020	MCS 4EB1 MCS 4EB2 MCS 4EB3 MCS 4EB4 MCS 4EB5 MCS 4EB6	Soft Computing System Security Advanced Java Programming Database Administration using SQL Server Microprocessors and Assembly Language Programming Advanced Computer Architecture

BIOTECHNOLOGY (ELECTIVES ONLY)

Tuesday 23.06.2020	BTPG 19E	Advanced Methods in Molecular Diagnostics
Thursday 25.06.2020	BTPG 20E	Biotechnology in Molecular Pathogenesis & Clinical Diagnosis
Friday 26.06.2020	BTPG 21E	Biotechnology & Forensic Medicine
Monday 29.06.2020	BTPG 22E	Genomics, Proteomics & Nanotechnology
Tuesday 30.06.2020	BTPG 23E	Molecular Breeding
Wednesday 01.07.2020	BTPG 24E	Molecular Markers in Cancer
Thursday 02.07.2020	BTPG 25E	Cancer Biology
Monday 06.07.2020	BTPG 26E	Project Management & Pharmaco-Economics & Pharmacogenomics
Tuesday 07.07.2020	BTPG 27E	Biopharmaceuticals & Applied Nanotechnology
Wednesday 08.07.2020	BTPG 28E	IPR, Biosafety & Biodiversity
Thursday 09.07.2020	BTPG 29E	Biotechnology & IPR
Friday 10.07.2020	BTPG 30E	Microbial Biotechnology
Monday 13.07.2020	BTPG 31E	Microbial Food Safety
Tuesday 14.07.2020	BTPG 32E	Food Biotechnology
Wednesday 15.07.2020	BTPG 33E	Nutritional Biochemistry
Thursday 16.07.2020	BTPG 34E	Neurobiochemistry
Friday 17.07.2020	BTPG 35E	Developmental Biology
Tuesday 21.07.2020	BTPG 36E	Physiology
Wednesday 22.07.2020	BTPG 37E	Environmental Science
Thursday 23.07.2020	BTPG 38E	Evolution & Behaviour

MICROBIOLOGY

Tuesday 23.06.2020	MB4PG11	Systemic Bacteriology
Friday 26.06.2020	MB4PG12	Virology, Mycology & Protozoology
Tuesday 30.06.2020	MB4PGE7	Clinical Microbiology
Thursday 02.07.2020	MB4PGE8	Microbial Genetics
Monday 06.07.2020	MB4PGE9	Biostatistics & Research Methodology

BIOCHEMISTRY

Tuesday 23.06.2020	BC4M004PE1	Clinical Biochemistry
Friday 26.06.2020	BC4M004PE2	Environmental Sciences
Tuesday 30.06.2020	BC4M004PE3	Nutrition Health & Life Style Diseases
Thursday 02.07.2020	BC4M004PE4	Research Methodology IPR & Bioethics
Monday 06.07.2020	BC4M004PE5	Plant & Animal Cell Culture
Wednesday 08.07.2020	BC4M004PE6	Biochemical Toxicology

BIOINFORMATICS

Tuesday 23.06.2020	BIF4M004PE1	Genetic Engineering & IPR
Friday 26.06.2020	BIF4M004PE2	CADD & Molecular Modelling
Tuesday 30.06.2020	BIF4M004PE3	Bioprogramming & Soft Computing Techniques
Thursday 02.07.2020	BIF4M004PE4	IPR & Bioethics
Monday 06.07.2020	BIF4M004PE5	Pharmaceutical Chemistry & Action of Selected Drugs
Wednesday 08.07.2020	BIF4M004PE6	Basics of Nanotechnology

APPLIED MICROBIOLOGY

Tuesday 23.06.2020	PG4AMBE01	Pharmaceutical Microbiology
Friday 26.06.2020	PG4AMBE02	Microbial Ecotechnology & Soil Microbiology
Tuesday 30.06.2020	PG4AMBE03	Clinical Microbiology
Thursday 02.07.2020	PG4AMBE04	Nano Biotechnology & Space Microbiology

PLANT BIOTECHNOLOGY

Tuesday 23.06.2020	PBT4M004PE1	Research Methodology & Biostatistics
Friday 26.06.2020	PBT4M004PE2	Genomics & Proteomics
Tuesday 30.06.2020	PBT4M004PE3	Transgenic Techniques for Crop Improvement
Thursday 02.07.2020	PBT4M004PE4	Green House Management & Plant Protection
Monday 06.07.2020	PBT4M004PE5	Marine Biotechnology
Wednesday 08.07.2020	PBT4M004PE6	Business Management

ELECTRONICS

Tuesday 23.06.2020	MES4C1	Advanced Embedded Systems
Friday 26.06.2020	MES4EA1 MES4EA2 MES4EA3	Nanotechnology Secure Communication Advanced Digital Communication
Tuesday 30.06.2020	MES4EB1 MES4EB2 MES4EB3	Biomedical Electronics and Biosensors RF Signals and Applications Artificial Intelligence and Neural Networks

PHYTOMEDICAL SCIENCE AND TECHNOLOGY

Tuesday 23.06.2020	PHYTOM4M004PE1	Pharmacology, Clinical Trial and Biostatistics
Friday 26.06.2020	PHYTOM4M004PE2	Product Development, Quality Control and IPR
Tuesday 30.06.2020	PHYTOM4M004PE3	Business Plan and Entrepreneurship Development
Thursday 02.07.2020	PHYTOM4M004PE4	Research Methodology and Biostatistics
Monday 06.07.2020	PHYTOM4M004PE5	Transgenic Techniques for Crop Improvement
Wednesday 08.07.2020	PHYTOM4M004PE6	Basics of Plant Tissue Culture

APPLIED ELECTRONICS

	<i>ELECTIVE -1</i>	
Tuesday 23.06.2020	MAE4E11	Satellite Communication
	MAE4E12	Wireless Communication
	MAE4E13	Biomedical Instrumentation
	<i>ELECTIVE -2</i>	
Friday 26.06.2020	MAE4E21	Image Processing
	MAE4E22	Artificial Intelligence
	MAE4E23	Robotics

	<i>ELECTIVE -3</i>	
Tuesday 30.06.2020	MAE4E31	Non – Conventional Energy Systems
	MAE4E32	Micro Electro Mechanical Systems
	MAE4E33	Nano Electronics

Sd/-
Dr. C M SREEJIT
Controller of Examinations

P.D.Hills
15.06.2020
To

1. The Principals of the Colleges concerned
2. PS to VC/PVC.
3. PRO for a Press Release/Enquiry
4. JR II/ IV/DR I/VIII/AR VIII/IX/XI/XII/ XVIII/XXI/XXII(Exams)
5. PA to C.E./C.E's.Sn./CT&D Sn./ENI/II/III/V/CETEX/Front Office
6. EB/Tabulation Sns.concerned/Ac.C/ Ac.AV
7. SF/FC

Approved for Issue

SECTION OFFICER