

M.Sc. PART-I (SEM-I AND SEM-II)
M.Sc. (IMCA) PART II (SEM-III and SEM-IV)
BACKLOG (2016/2019 PATTERN)
SCHEDULE OF END SEMESTER EXAMINATION
Supplementary April 2020 Examination
(Conducted in December 2020)

(Under Faculty of Science)

INSTRUCTIONS FOR CANDIDATES

1. Candidates are required to login to the Interactive Teaching and Learning Education (ITLE) Examinations Module of Mastersoft ERP FIFTEEN MINUTES before the scheduled time given in the timetable.
2. Online Theory Examinations will be MCQ type with ONE-hour duration.
3. By Clicking on Start test button means you are agree to the Rules and regulations of Online test of Fergusson College (Autonomous).
4. You should not change the Examination window once the Examination starts, if you try to switch windows, your examination might get terminated for malpractice.
5. Candidates are requested to see college website regularly for changes, if any that may be notified later in the program.
6. No request for any special concession such as a change in time or any day fixed for the Examination on any ground shall be granted.
7. Use of non -programmable calculator is permitted.

SEMESTER I

MONDAY, 07.12.2020		Time: 11.00 am to 12.00 noon	
SUBJECT	PATTERN	PAPER CODE	PAPER TITLE
PHYSICS	2019	PHY4101	Classical Mechanics
	2016	PHY4101	Classical Mechanics
BIOTECHNOLOGY	2019	BTH4101	Molecular Biology
	2016	BTH4101	Molecular Biology
BOTANY	2019	BOT4101	Fundamental Botany I
	2016	BOT4101	Classic Botany - I (Algae, Fungi, Bryophytes)

ANALYTICAL CHEMISTRY	2019	CHA4101	Fundamentals of Physical Chemistry
	2016	CHA4101	Fundamentals of Physical Chemistry
BIOCHEMISTRY	2019	CHB4101	Biomolecules
	2016	CHB4101	Biomolecules
ORGANIC CHEMISTRY	2019	CHO4101	Fundamentals of Physical Chemistry
	2016	CHO4101	Fundamentals of Physical Chemistry
COMPUTER SCIENCE	2019	CSC4101	Data Mining and Data Warehousing
	2016	CSC4101	Principles Of Programming Languages
ELECTRONIC SCIENCE	2019	ELS4101	Semiconductor Devices and Technology
	2016	ELS4101	Analogue Circuit Design
ENVIRONMENTAL SCIENCE	2019	EVS4101	Environmental Biology
	2016	EVS4101	Environmental Biology
GEOLOGY	2019	GLY4101	Mineralogy
	2016	GLY4101	Planetary Science and Geodynamics
MICROBIOLOGY	2019	MIC4101	Microbial Diversity and Molecular Taxonomy
	2016	MIC4101	Microbial Diversity and Molecular Taxonomy
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4101	Real Analysis
	2016	MTS4101	Real Analysis
COMPUTER APPLICATIONS	2019	CSA4101	Mathematical Foundation
	2016	CSA4101	Mathematical Foundation
DATA SCIENCE	2019	CSD4101	Probability and Statistics

TUESDAY 08.12.2020

Time: 11.00 am to 12.00 noon

PHYSICS	2019	PHY4102	Mathematical Methods in Physics
	2016	PHY4102	Mathematical Methods in Physics
BIOTECHNOLOGY	2019	BTH4102	Cell Biology
	2016	BTH4102	Biological Chemistry
BOTANY	2019	BOT4102	Plant Physiology and Biochemistry
	2016	BOT4102	Plant Physiology and Biochemistry
ANALYTICAL CHEMISTRY	2019	CHA4102	Fundamentals of Inorganic Chemistry
	2016	CHA4102	Molecular Symmetry and Chemistry of Main Group Elements
BIOCHEMISTRY	2019	CHB4102	Genetics and Cell Biology
	2016	CHB4102	Enzymology
ORGANIC CHEMISTRY	2019	CHO4102	Fundamentals of Inorganic Chemistry
	2016	CHO4102	Molecular Symmetry and Chemistry of Main Group Elements

COMPUTER SCIENCE	2019	CSC4102	Analysis of Algorithms and Computing
	2016	CSC4102	Distributed Database Concepts
ELECTRONIC SCIENCE	2019	ELS4102	Network Analysis
	2016	ELS4102	Digital System Design using Verilog
ENVIRONMENTAL SCIENCE	2019	EVS4102	Environmental Chemistry
	2016	EVS4102	Environmental Chemistry
GEOLOGY	2019	GLY4102	Principles of Stratigraphy and Palaeontology
	2016	GLY4102	Principles of Stratigraphy and Palaeontology
MICROBIOLOGY	2019	MIC4102	Biochemistry
	2016	MIC4102	Biochemistry
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4102	Applied Linear Algebra
	2016	MTS4102	Linear Algebra
COMPUTER APPLICATIONS	2019	CSA4102	Operating Systems
	2016	CSA4102	System Analysis and Design & UI Design
DATA SCIENCE	2019	CSD4102	Applied Linear Algebra

WEDNESDAY 09.12.2020

Time: 11.00 am to 12.00 noon

PHYSICS	2019	PHY4103	Quantum Mechanics
	2016	PHY4103	Atoms, Molecules and Solids
BIOTECHNOLOGY	2019	BTH4103	Biological Chemistry and Bacteriology
	2016	BTH4103	Cell Biology
BOTANY	2019	BOT4103	Genetics and Evolution
	2016	BOT4103	Genetics and Plant Breeding
ANALYTICAL CHEMISTRY	2019	CHA4103	Advanced Organic Chemistry and Spectroscopy
	2016	CHA4103	Fundamentals of Organic Chemistry
BIOCHEMISTRY	2019	CHB4103	Biophysical Techniques
	2016	CHB4103	Cell Biology and Membrane Biochemistry
ORGANIC CHEMISTRY	2019	CHO4103	Advanced Organic Chemistry and Spectroscopy
	2016	CHO4103	Fundamentals of Organic Chemistry
COMPUTER SCIENCE	2019	CSC4103	Operating System Internals
	2016	CSC4103	Design And Analysis Of Algorithms
ELECTRONIC SCIENCE	2019	ELS4103	Analog and Digital Circuit Design
	2016	ELS4103	Mathematical Methods in Electronics and Network Analysis

COMPUTER SCIENCE	2019	CSC4104	Python Programming
	2016	CSC4104	Advanced Networking and Network Programming
	2016	CSC4107	Logic and analytical skill development (TIME: 12:30pm- 1:00pm)
ELECTRONIC SCIENCE	2019	ELS4104	Instrumentation
		ELS4105	Robotics
		ELS4106	Digital Image Processing
	2016	ELS4104	Programming with C and C++
	2016	ELS4107	Circuit Simulation and PCB Design (TIME: 12:30pm- 1:00pm)
ENVIRONMENTAL SCIENCE	2016	EVS4104	Environmental Statistics
	2016	EVS4104	Environmental Statistics
	2016	EVS4107	Research Methodology Time: 12:30pm-1:00pm
GEOLOGY	2019	GLY4106	Geomorphology and Remote Sensing and GIS
	2016	GLY4106	Geomorphology and Remote Sensing in Geology
MICROBIOLOGY	2019	MIC4106	Applied Microbiology
		MIC4107	Cell and Developmental Biology
		MIC4108	MOOCS I
	2016	MIC4104	Advanced Cell Biology
	2016	MIC4107	Scientific Communication –I (12:30pm -1:00pm)
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4104	Software Engineering
	2016	MTS4104	C programming
COMPUTER APPLICATIONS	2019	CSA4104	Database Management Systems
	2016	CSA4104	Database Management Systems
DATA SCIENCE	2019	CSD4104	Database Management System

SEMESTER II

FRIDAY, 11.12.2020		Time: 11.00 am to 12.00 noon	
SUBJECT	PATTERN	PAPER CODE	PAPER TITLE
PHYSICS	2019	PHY4201	Atoms, Molecules and Solids
	2016	PHY4201	Electrodynamics
BIOTECHNOLOGY	2019	BTH4201	Genetic Engineering and Industrial Biotechnology – I
	2016	BTH4201	Genetic Engineering
BOTANY	2019	BOT4201	Fundamental Botany – II
	2016	BOT4201	Classic Botany - II (Pteridophytes, Gymnosperms)
ANALYTICAL CHEMISTRY	2019	CHA4201	Advanced Physical Chemistry
	2016	CHA4201	Advanced Physical Chemistry
BIOCHEMISTRY	2019	CHB4201	Microbiology and Fermentation technology
	2016	CHB4201	Metabolic Pathways
ORGANIC CHEMISTRY	2019	CHO4201	Advanced Physical Chemistry
	2016	CHO4201	Advanced Physical Chemistry
COMPUTER SCIENCE	2019	CSC4201	Programming in C#
	2016	CSC4201	Software Metrics & Project Management
ELECTRONIC SCIENCE	2019	ELS4201	Electromagnetic Theory and Application
	2016	ELS4201	Instrumentation and Measurement Techniques
ENVIRONMENTAL SCIENCE	2019	EVS4201	EIA and Environmental Audit
	2016	EVS4201	Environmental Pollution and Control I: Water and Soil
GEOLOGY	2019	GLY4201	Igneous Petrology
	2016	GLY4201	Igneous Petrology
MICROBIOLOGY	2019	MIC4201	Microbial Metabolism
	2016	MIC4201	Virology
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4201	Advanced Calculus
	2016	MTS4201	Complex Analysis
COMPUTER APPLICATIONS	2019	CSA4201	Data Mining and Data Warehousing
	2016	CSA4201	Web Technologies
DATA SCIENCE	2019	CSD4201	Statistical Inference
SATURDAY, 12.12.2020		Time: 11.00 am to 12.00 noon	
PHYSICS	2019	PHY4202	Electrodynamics
	2016	PHY4202	Solid State Physics
BIOTECHNOLOGY	2019	BTH4202	Animal and Plant Biotechnology
	2016	BTH4202	Immunology and Virology
BOTANY	2019	BOT4202	Cell Biology
	2016	BOT4202	Cell Biology
ANALYTICAL CHEMISTRY	2019	CHA4202	Advanced Inorganic Chemistry

	2016	CHA4202	Coordination and Bioinorganic Chemistry
BIOCHEMISTRY	2019	CHB4202	Metabolism
	2016	CHB4202	Microbiology and Fermentation Technology
ORGANIC CHEMISTRY	2019	CHO4202	Advanced Inorganic Chemistry
	2016	CHO4202	Coordination and Bioinorganic Chemistry
COMPUTER SCIENCE	2019	CSC4202	Full Stack - I: Web UI and Responsive UI Framework
	2016	CSC4202	Data Mining and Data Warehousing
ELECTRONIC SCIENCE	2019	ELS4202	Industrial Process Control
	2016	ELS4202	Embedded System Design
ENVIRONMENTAL SCIENCE	2019	EVS4202	Water and Wastewater Treatment Technology
	2016	EVS4202	Biodiversity, Forestry and Conservation
GEOLOGY	2019	GLY4202	Metamorphic Petrology
	2016	GLY4202	Metamorphic Petrology
MICROBIOLOGY	2019	MIC4202	Immunology
	2016	MIC4202	Biostatistics
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4202	Abstract Algebra
	2016	MTS4202	Group theory and its applications
COMPUTER APPLICATIONS	2019	CSA4202	Core Java
	2016	CSA4202	Object Oriented Analysis and Design
DATA SCIENCE	2019	CSD4202	Mathematical Foundation
SUNDAY, 13.12.2020 Time: 11.00 am to 12.00 noon			
PHYSICS	2019	PHY4203	Statistical Mechanics
	2016	PHY4203	Quantum Mechanics
BIOTECHNOLOGY	2019	BTH4203	Virology and Immunology
	2016	BTH4203	Plant Biotechnology
BOTANY	2019	BOT4203	Molecular Biology and Genetic Engineering
	2016	BOT4203	Molecular Biology and Genetic Engineering
ANALYTICAL CHEMISTRY	2019	CHA4203	Reaction Mechanism in Organic Chemistry
	2016	CHA4203	Synthetic Organic Chemistry and Spectroscopy
BIOCHEMISTRY	2019	CHB4203	Molecular Biology
	2016	CHB4203	Biostatistics, Research Methodology and Bioinformatics
ORGANIC CHEMISTRY	2019	CHO4203	Reaction Mechanism in Organic Chemistry
	2016	CHO4203	Synthetic Organic Chemistry and Spectroscopy
COMPUTER SCIENCE	2019	CSC4203	Business Intelligence and Analytics OR
		CSC4204	Robotics and Artificial Intelligence
	2016	CSC4203	Programming with DOT NET
ELECTRONIC SCIENCE	2019	ELS4203	Embedded Systems
	2016	ELS4203	Applied Electromagnetics, Microwaves and Antennas
ENVIRONMENTAL SCIENCE	2019	EVS4203	Biodiversity, Forestry and

			Conservation
	2016	EVS4203	Atmospheric Sciences
GEOLOGY	2019	GLY4203	Structural Geology
	2016	GLY4203	Structural Geology
MICROBIOLOGY	2019	MIC4203	Molecular Biology
	2016	MIC4203	Microbial Metabolism
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4203	Discrete Mathematics II
	2016	MTS4203	Numerical analysis
COMPUTER APPLICATIONS	2019	CSA4203	Web Technologies OR
		CSA4204	Networking Concepts
	2016	CSA4203	Advanced Java
DATA SCIENCE	2019	CSD4203	Machine Learning
MONDAY, 14.12.2020 Time: 11.00 am to 12.00 noon			
PHYSICS	2019	PHY4204	Basic Materials Science
	2016	PHY4204	Statistical Mechanics
	2016	PHY4207	Self learning: Energy Studies (Time: 12:30pm-1:00pm)
BIOTECHNOLOGY	2019	BTH4211	Clinical Research (Time:30 min)
	2016	BTH4204	Bacteriology
	2016	BTH4217	Poster making and Presentation (Time: 12:30pm-1:00pm)
BOTANY	2019	BOT4204	Techniques in Biology OR
		BOT4205	Molecules of life and biophysical parameters
	2016	BOT4204	Plant Ecology and Phytogeography
ANALYTICAL CHEMISTRY	2016	CHA4204	Modern Separation Methods and Chemometrics
	2016	CHA4207	Self learning Course II Environmental Toxicology and Chemistry (Time: 12:30pm-1:00pm)
BIOCHEMISTRY	2019	CHB4204	Physiological Biochemistry
	2016	CHB4204	Genetics
	2016	CHB4207	Self Learning Course- II: Introduction to quality control laboratory (QC/GLP) (Time: 12:30pm-1:00pm)
ORGANIC CHEMISTRY	2016	CHO4204	Modern Separation Methods and Chemometrics
	2016	CHO4207	Self learning Course II Environmental Toxicology and Chemistry (Time: 12:30pm-1:00pm)
COMPUTER SCIENCE	2019	CSC4207	Networking and Information Security OR
		CSC4208	Software Quality Assurance and Testing
	2016	CSC4204	Information System and Security
ELECTRONIC SCIENCE	2019	ELS4204	Power Electronics
	2016	ELS4204	Foundation of Semiconductor Devices
	2016	ELS4207	Electronic Design Automation (EDA) Tool for Microcontrollers (Time: 12:30pm-1:00pm)

ENVIRONMENTAL SCIENCE	2016	EVS4204	Water and Wastewater Technology
	2016	EVS4207	Research Methodology (Time: 12:30pm-1:00pm)
GEOLOGY	2019	GLY4206	Economic Geology
	2016	GLY4204	Sedimentology
MICROBIOLOGY	2019	MIC4206	Virology OR
		MIC4207	Advanced Bionanotechnology OR
		MIC4208	MOOCS – II
	2016	MIC4204	Advanced Environmental Microbiology
	2016	MIC4207	Scientific Communication – II 12:30pm-1:00pm
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2019	MTS4204	Probability and Statistics
	2016	MTS4204	C++
COMPUTER APPLICATIONS	2019	CSA4208	Bigdata Analytics
	2016	CSA4204	Data Mining and Data Warehousing
DATA SCIENCE	2019	CSD4205	Soft Computing
TUESDAY, 15.12.2020		Time: 11.00 am to 12.00 noon	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS4205	Data Structures Using C
BIOTECHNOLOGY	2016	BTH4205	Environmental Biotechnology
BOTANY	2016	BOT4207	Recent Trends in Plant Sciences
COMPUTER SCIENCE	2016	CSC4205	Artificial Intelligence
		CSC4206	Web Services
		CSC4207	Advanced Design And Analysis Of Algorithms
	2016	CSC4210	Emerging Technology (12:30pm - 1:00pm)
WEDNESDAY, 16.12.2020		Time: 11.00 am to 12.00 noon	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS4105	Database Management Systems
COMPUTER SCIENCE	2016	CSC4210	Emerging Technology

SEMESTER III (For M.Sc. IMCA)

MONDAY, 07.12.2020		Time: 2.00 pm to 3.00 pm	
SUBJECT	PATTERN	PAPER CODE	PAPER TITLE
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5301	Probability and Statistics
TUESDAY 08.12.2020		Time: 2.00 am to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5302	Cryptography
WEDNESDAY 09.12.2020		Time: 2.00 am to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5304	Object oriented software engineering
THURSDAY, 10.12.2020		Time: 2.00 am to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5305	Operating systems
WEDNESDAY, 16.12.2020		Time: 2.00 pm to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5306	JAVA programming

SEMESTER IV (For M.Sc. IMCA)

FRIDAY, 11.12.2020		Time: 2.00 pm to 3.00 pm	
SUBJECT	PATTERN	PAPER CODE	PAPER TITLE
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5401	Ordinary Differential Equations
SATURDAY, 12.12.2020		Time: 2.00 pm to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5402	Statistical Inference
SUNDAY, 13.12.2020		Time: 2.00 pm to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5403	Computer Networks
MONDAY, 14.12.2020		Time: 2.00 pm to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5404	Design and analysis of algorithms
TUESDAY, 15.12. 2020		Time: 2.00 pm to 3.00 pm	
INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	2016	MTS5406	Python
		MTS5407	WebUI Design

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