

**Deccan Education Society's**  
**Fergusson College (Autonomous), Pune 4.**

**THIRD YEAR B. Sc.**  
**(SEMESTER - VI)**  
**REGULAR & BACKLOG (2019 & 2016 PATTERN)**

**SCHEDULE FOR END SEMESTER EXAMINATION,**

**APRIL 2023**

**(Offline Examination)**  
**(Under Faculty of Science)**

**INSTRUCTIONS FOR CANDIDATES**

- 1.** Candidates are required to be present at the examination center **fifteen minutes** before the scheduled time of examination.
- 2.** Candidates must carry their college I-Card and Hall Ticket to the examination hall.
- 3.** Candidates are **not allowed** to take any material into the examination hall that can be used for malpractice at the time of examination.
- 4.** Candidates are requested to see the **notice board** at their place of examination regularly for changes if any, which may be notified later in the program.
- 5.** 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.
- 6.** Use of non-programmable calculator is allowed.

**Time: 02:30 PM to 05:00 PM**

<b>Day &amp; Date</b>	<b>Pattern</b>	<b>Paper Code</b>	<b>Subject</b>
<b>Monday 08/05/2023</b>	2016	BOT3601	<b>BOTANY – PAPER-I</b> Plant Physiology and Biochemistry
	<b>2019</b>	BOT3601	<b>BOTANY – PAPER-I</b> Plant Physiology and Biochemistry
	2016	CHE3601	<b>CHEMISTRY – PAPER-I</b> Physical Chemistry II
	<b>2019</b>	CHE3601	<b>CHEMISTRY – PAPER-I</b> Physical Chemistry II
	2016	EVS3601	<b>ENVIRONMENTAL SCIENCE-I</b> Waste Treatment Technology
	<b>2019</b>	EVS3601	<b>ENVIRONMENTAL SCIENCE-I</b> Waste Treatment Technology
	2016	GLY3601	<b>GEOLOGY – PAPER-I</b> Economic Geology
	<b>2019</b>	GLY3601	<b>GEOLOGY – PAPER-I</b> Economic Geology
	2016	MIC3601	<b>MICROBIOLOGY – PAPER-I</b> Metabolic Activities of Microorganisms
	<b>2019</b>	MIC3601	<b>MICROBIOLOGY – PAPER-I</b> Metabolic Activities of Microorganisms
	2016	ZOO3601	<b>ZOOLOGY – PAPER-I</b> Life and Diversity of Animals -VI
	<b>2019</b>	ZOO3601	<b>ZOOLOGY – PAPER-I</b> Life and Diversity of Animals -VI
	2016	ELS3601	<b>ELECTRONIC SCIENCE – PAPER-I</b> Digital Design with Verilog
	<b>2019</b>	ELS3601	<b>ELECTRONIC SCIENCE – PAPER-I</b> Modern Communication Systems
	2016	PHY3601	<b>PHYSICS – PAPER-I</b> Classical Electrodynamics
	<b>2019</b>	PHY3601	<b>PHYSICS – PAPER-I</b> Classical Electrodynamics
	2016	STS3601	<b>STATISTICS – PAPER-I</b> Introduction to Stochastic Processes
	<b>2019</b>	STS3601	<b>STATISTICS – PAPER-I</b> Introduction to Stochastic Processes
	2016	MTS3601	<b>MATHEMATICS – PAPER-I</b> Complex Analysis
	<b>2019</b>	MTS3601	<b>MATHEMATICS – PAPER-I</b> Real Analysis-II

<b>Tuesday 09/05/2023</b>	2016	BOT3602	<b>BOTANY – PAPER-II</b> Plant Molecular Biology and Biotechnology
	<b>2019</b>	BOT3602	<b>BOTANY – PAPER-II</b> Nursery and Gardening
	2016	CHE3602	<b>CHEMISTRY – PAPER-II</b> Inorganic Chemistry II
	<b>2019</b>	CHE3602	<b>CHEMISTRY – PAPER-II</b> Inorganic Chemistry II
	2016	EVS3602	<b>ENVIRONMENTAL SCIENCE-II</b> Wildlife Biology and Conservation
	<b>2019</b>	EVS3602	<b>ENVIRONMENTAL SCIENCE-II</b> Wildlife Biology and Conservation
	2016	GLY3602	<b>GEOLOGY – PAPER-II</b> Igneous, Sedimentary and Metamorphic Petrology
	<b>2019</b>	GLY3602	<b>GEOLOGY – PAPER-II</b> Oceanic and atmospheric science
	2016	MIC3602	<b>MICROBIOLOGY – PAPER-II</b> Immunological Processes
	<b>2019</b>	MIC3602	<b>MICROBIOLOGY – PAPER-II</b> Immunological Processes
	2016	ZOO3602	<b>ZOOLOGY – PAPER-II</b> Physiology: Life Sustaining Processes
	<b>2019</b>	ZOO3602	<b>ZOOLOGY – PAPER-II</b> Physiology: Life Sustaining Processes
	2016	ELS3602	<b>ELECTRONIC SCIENCE – PAPER-II</b> Modern Communication System
	<b>2019</b>	ELS3602	<b>ELECTRONIC SCIENCE – PAPER-II</b> Embedded Systems
	2016	PHY3602	<b>PHYSICS – PAPER-II</b> Quantum Mechanics
	<b>2019</b>	PHY3602	<b>PHYSICS – PAPER-II</b> Quantum Mechanics
	2016	STS3602	<b>STATISTICS – PAPER-II</b> Testing of Hypotheses
	<b>2019</b>	STS3602	<b>STATISTICS – PAPER-II</b> Testing of Hypotheses
	2016	MTS3602	<b>MATHEMATICS – PAPER-II</b> Real Analysis – II
	2019	MTS3602	<b>MATHEMATICS – PAPER-II</b> Complex Analysis – II

<b>Wednesday</b> <b>10/05/2023</b>	2016	BOT3603	<b>BOTANY – PAPER-III</b> Plant Ecology and Biodiversity
	<b>2019</b>	BOT3603	<b>BOTANY – PAPER-III</b> Plant Ecology and Biodiversity
	2016	CHE3603	<b>CHEMISTRY – PAPER-III</b> Organic Chemistry II
	<b>2019</b>	CHE3603	<b>CHEMISTRY – PAPER-III</b> Organic Chemistry II
	2016	EVS3603	<b>ENVIRONMENTAL SCIENCE-III</b> Environment Impact Assessment and Management
	<b>2019</b>	EVS3603	<b>ENVIRONMENTAL SCIENCE-III</b> Environment Impact Assessment and Management
	2016	GLY3603	<b>GEOLOGY – PAPER-III</b> Phanerozoic Stratigraphy of India and Palaeontology
	<b>2019</b>	GLY3603	<b>GEOLOGY – PAPER-III</b> Igneous and Metamorphic Petrology
	2016	MIC3603	<b>MICROBIOLOGY – PAPER-III</b> Large Scale Bioprocesses
	<b>2019</b>	MIC3603	<b>MICROBIOLOGY – PAPER-III</b> Large Scale Bioprocesses
	2016	ZOO3603	<b>ZOOLOGY – PAPER-III</b> Molecular Biology
	<b>2019</b>	ZOO3603	<b>ZOOLOGY – PAPER-III</b> Molecular Biology
	2016	ELS3603	<b>ELECTRONIC SCIENCE – PAPER-III</b> Embedded Systems
	<b>2019</b>	ELS3603	<b>ELECTRONIC SCIENCE – PAPER-III</b> Digital System Design
	2016	PHY3603	<b>PHYSICS – PAPER-III</b> Thermodynamics & Statistical Mechanics
	<b>2019</b>	PHY3603	<b>PHYSICS – PAPER-III</b> Thermodynamics & Statistical Mechanics
	2016	STS3603	<b>STATISTICS – PAPER-III</b> Reliability and Survival Analysis
	<b>2019</b>	STS3603	<b>STATISTICS – PAPER-III</b> Reliability and Survival Analysis
	2016	MTS3603	<b>MATHEMATICS – PAPER-III</b> Mathematics Problem Course - III
	<b>2019</b>	MTS3603	<b>MATHEMATICS – PAPER-III</b> Ring Theory

<b>Thursday 11/05/2023</b>	2016	BOT3604	<b>BOTANY – PAPER-IV</b> Plant Breeding and Seed Technology
	<b>2019</b>	BOT3604	<b>BOTANY – PAPER-IV</b> Plant Breeding and Seed Technology
	2016	CHE3604	<b>CHEMISTRY – PAPER-IV</b> Analytical Chemistry II
	<b>2019</b>	CHE3604	<b>CHEMISTRY – PAPER-IV</b> Analytical Chemistry II
	2016	EVS3604	<b>ENVIRONMENTAL SCIENCE-IV</b> Environmental Governance and Ethics
	<b>2019</b>	EVS3604	<b>ENVIRONMENTAL SCIENCE-IV</b> Environmental Governance and Ethics
	2016	GLY3604	<b>GEOLOGY – PAPER-IV</b> Hydrogeology
	<b>2019</b>	GLY3604	<b>GEOLOGY – PAPER-IV</b> Geology of India II
	2016	MIC3604	<b>MICROBIOLOGY – PAPER-IV</b> Food & Dairy Microbiology
	<b>2019</b>	MIC3604	<b>MICROBIOLOGY – PAPER-IV</b> Food & Dairy Microbiology
	2016	ZOO3604	<b>ZOOLOGY – PAPER-IV</b> Organic Evolution
	<b>2019</b>	ZOO3604	<b>ZOOLOGY – PAPER-IV</b> Organic Evolution
	2016	ELS3604	<b>ELECTRONIC SCIENCE – PAPER-IV</b> Modelling & Simulation using MATLAB
	<b>2019</b>	ELS3604	<b>ELECTRONIC SCIENCE – PAPER-IV</b> Industrial Automation
	2016	PHY3604	<b>PHYSICS – PAPER-IV</b> Nuclear Physics
	<b>2019</b>	PHY3604	<b>PHYSICS – PAPER-IV</b> Nuclear Physics
	2016	STS3604	<b>STATISTICS – PAPER-IV</b> Sampling Methods
	<b>2019</b>	STS3604	<b>STATISTICS – PAPER-IV</b> Applied multivariate Analysis
	2016	MTS 3604	<b>MATHEMATICS – PAPER-IV</b> Ring Theory
	<b>2019</b>	MTS 3604	<b>MATHEMATICS – PAPER-IV</b> Dynamical Systems

<b>Friday 12/05/2023</b>	2016	BOT3605 OR BOT3606	<b>BOTANY – PAPER-V</b> Mycology and Plant Pathology OR <b>BOTANY – PAPER-VI</b> Mushroom Culture Technology
	<b>2019</b>	BOT3605	<b>BOTANY – PAPER-V</b> Mycology and Plant Pathology
	2016	CHE3605 OR CHE3606	<b>CHEMISTRY – PAPER-V</b> Nuclear Chemistry II OR <b>CHEMISTRY – PAPER-VI</b> Biochemistry II
	<b>2019</b>	CHE3605	<b>CHEMISTRY – PAPER-V</b> Industrial Chemistry II
	2016	EVS3605 OR EVS3606	<b>ENVIRONMENTAL SCIENCE – PAPER-VI</b> Environmental Toxicology, Health and Safety OR <b>ENVIRONMENTAL SCIENCE – PAPER-VI</b> Energy and Environment
	<b>2019</b>	EVS3605	<b>ENVIRONMENTAL SCIENCE – PAPER-VI</b> Environmental Toxicology, Health and Safety
	2016	GLY3605 OR GLY3606	<b>GEOLOGY – PAPER-V</b> Environmental Geology OR <b>GEOLOGY – PAPER-VI</b> Soil Geology
	<b>2019</b>	GLY3605	<b>GEOLOGY – PAPER-V</b> Petroleum Geology
	2016	MIC3605 OR MIC3606	<b>MICROBIOLOGY – PAPER-V</b> Antimicrobial Therapy & Prevention OR <b>MICROBIOLOGY – PAPER-VI</b> Immunohematology & Diagnostics
	<b>2019</b>	MIC3605	<b>MICROBIOLOGY – PAPER-V</b> Antimicrobial Therapy & Prevention
	2016	ZOO3505 ZOO3615 OR ZOO3606	<b>ZOOLOGY – PAPER-V</b> Animal Pathology (Backlog) Animal Pathology (Regular) OR <b>ZOOLOGY – PAPER-VI</b> Human Genetics

<b>Friday 12/05/2023</b>	<b>2019</b>	ZOO3505	<b>ZOOLOGY – PAPER-V</b> Animal Pathology
	2016	ELS3605 OR ELS3606	<b>ELECTRONIC SCIENCE – PAPER-V</b> Industrial Automation OR <b>ELECTRONIC SCIENCE – PAPER-VI</b> Biomedical Instrumentation
	<b>2019</b>	ELS3605	<b>ELECTRONIC SCIENCE – PAPER-V</b> Optoelectronics
	2016	PHY3605 OR PHY3606	<b>PHYSICS – PAPER-V</b> Digital Electronics OR <b>PHYSICS – PAPER-VI</b> Computational Physics
	<b>2019</b>	PHY3605	<b>PHYSICS – PAPER-V</b> Astronomy & Astrophysics
	2016	STS3605 OR STS3606	<b>STATISTICS – PAPER-V</b> Time Series Analysis OR <b>STATISTICS – PAPER-VI</b> Statistical Ecology
	<b>2019</b>	STS3605	<b>STATISTICS – PAPER-V</b> Time Series Analysis
	2016	MTS 3605	<b>MATHEMATICS – PAPER-V</b> Differential Geometry
	<b>2019</b>	MTS 3605	<b>MATHEMATICS – PAPER-V</b> Metric Spaces - II
	2016 & 2019	VPH3601	<b>VOCATIONAL PHOTOGRAPHY - PAPER-I</b> Entrepreneurship Development*
<b>Saturday 13/05/2023</b>	2016	BOT3607 OR BOT3608	<b>BOTANY – PAPER-VII</b> Medico-Botany OR <b>BOTANY – PAPER-VIII</b> Nursery and Gardening
	<b>2019</b>	BOT3606	<b>BOTANY PAPER – VI</b> Plant Molecular Biology and Biotechnology
	2016	CHE3607 <b>OR</b> CHE3608	<b>CHEMISTRY – PAPER-VII</b> Industrial Chemistry II OR <b>CHEMISTRY – PAPER-VIII</b> Environmental Chemistry II
	<b>2019</b>	CHE3606	<b>CHEMISTRY PAPER VI</b> Biochemistry II
	2016	EVS3607 <b>OR</b> EVS3608	<b>ENVIRONMENTAL SCIENCE-VII</b> Environmental Restoration and Remediation OR <b>ENVIRONMENTAL SCIENCE-VII</b>

<b>Saturday 13/05/2023</b>			Waste Management in Smart Cities
	<b>2019</b>	EVS3606	<b>ENVIRONMENTAL SCIENCE – PAPER-VI</b> Ecosystem Restoration and Remediation
	2016	GLY3607 OR GLY3608	<b>GEOLOGY – PAPER-VII</b> Introduction to Oceanic & Atmospheric Sciences OR <b>GEOLOGY – PAPER-VIII</b> Fossil fuels, Mining methods & National Mineral Policy
	<b>2019</b>	GLY3606	<b>GEOLOGY – PAPER-VI</b> Geophysical Prospecting
	2016	MIC3607 OR MIC3608	<b>MICROBIOLOGY – PAPER-VII</b> Recombination & Gene Manipulation OR <b>MICROBIOLOGY – PAPER-VIII</b> Genetic engineering & Biotechnology
	<b>2019</b>	MIC3606	<b>MICROBIOLOGY – PAPER-VI</b> Recombination and gene manipulation
	2016	ZOO3507 ZOO3617 OR ZOO3608	<b>ZOOLOGY – PAPER-VII</b> General Endocrinology (Backlog) General Endocrinology (Regular) OR <b>ZOOLOGY – PAPER-VIII</b> Poultry Science
	<b>2019</b>	ZOO3606	<b>ZOOLOGY – PAPER-VI</b> General Endocrinology
	2016	ELS3607 OR ELS3608	<b>ELECTRONIC SCIENCE – PAPER-VII</b> Power Electronics OR <b>ELECTRONIC SCIENCE – PAPER-VIII</b> Nanotechnology
	<b>2019</b>	ELS3606	<b>ELECTRONIC SCIENCE – PAPER-VI</b> Semiconductor device technology
	2016	PHY3607 OR PHY3608 OR PHY3609	<b>PHYSICS – PAPER-VII</b> Astronomy & Astrophysics OR <b>PHYSICS – PAPER-VIII</b> Renewable Energy Sources OR <b>PHYSICS – PAPER-IX</b> Biophysics
	<b>2019</b>	PHY3606	<b>PHYSICS – PAPER-VI</b> Energy Studies



<b>Saturday 13/05/2023</b>	2016	STS3607 OR STS3608	<b>STATISTICS – PAPER-VII</b> Elements of Statistical Computing and Data Mining OR <b>STATISTICS – PAPER-VIII</b> Statistical Quality Control
	<b>2019</b>	STS3606	<b>STATISTICS – PAPER-VI</b> Biostatistics
	2016	MTS 3606	<b>MATHEMATICS – PAPER-VI</b> Mathematics Problem Course – IV
	<b>2019</b>	MTS3606	<b>MATHEMATICS – PAPER-VI</b> Differential Geometry
	2016	VBT3601	<b>VOCATIONAL PAPER – IN BIOTECHNOLOGY</b> Environmental Biotechnology and Bioinformatics
	2016 & 2019	VPH3602	<b>VOCATIONAL PHOTOGRAPHY - PAPER-II</b> Radio Production*
<b>Monday 15/05/2023 (SEC Paper I)</b>	<b>2019</b>	BOT3611	<b>BOTANY – PAPER-VII</b> Medico-Botany
	<b>2019</b>	CHE3611	<b>CHEMISTRY – PAPER-VII</b> Polymer Chemistry
	<b>2019</b>	EVS3611	<b>ENVIRONMENTAL SCIENCE-VII</b> Entrepreneurship Development & Services by Environmental Consultancy
	<b>2019</b>	GLY3611	<b>GEOLOGY – PAPER-VII</b> Groundwater development and management
	<b>2019</b>	MIC3611	<b>MICROBIOLOGY – PAPER-VII</b> Marine Microbiology
	<b>2019</b>	ZOO3611	<b>ZOOLOGY – PAPER-VII</b> Biostatics
	<b>2019</b>	ELS3611	<b>ELECTRONIC SCIENCE – PAPER-VII</b> Computer Hardware/Networking
	<b>2019</b>	PHY3611	<b>PHYSICS – PAPER-VII</b> Digital Electronics
	<b>2019</b>	STS3611	<b>Of Respective Departments</b>
	<b>2019</b>	MTS3614	<b>MATHEMATICS – SEC 9</b> Lebesgue Integration
	<b>2019</b>	MTS3611	<b>MATHEMATICS – SEC 6</b> Optimization Techniques

<b>Tuesday 16/05/2023 (SEC Paper II)</b>	<b>2019</b>	BOT3612	<b>BOTANY – PAPER-VIII</b> Mushroom Culture Technology
	<b>2019</b>	CHE3612	<b>CHEMISTRY – PAPER-VIII</b> Analytical Methods
	<b>2019</b>	EVS3612	<b>ENVIRONMENTAL SCIENCE-VIII</b> Design and Development of Eco-friendly Products
	<b>2019</b>	GLY3612	<b>GEOLOGY – PAPER-VIII</b> Geological field methods
	<b>2019</b>	MIC3612	<b>MICROBIOLOGY – PAPER-VIII</b> Prebiotics and Probiotics
	<b>2019</b>	ZOO3612	<b>ZOOLOGY – PAPER-VIII</b> Public health and Hygiene
	<b>2019</b>	ELS3612	<b>ELECTRONIC SCIENCE – PAPER-VIII</b> IoT and Applications
	<b>2019</b>	PHY3612	<b>PHYSICS – PAPER-VIII</b> C-Programming
	<b>2019</b>	STS3612	<b>Of Respective Departments</b>
	<b>2019</b>	MTS3613	<b>MATHEMATICS – SEC 8</b> Graph theory
	<b>2019</b>	MTS3612	<b>MATHEMATICS – SEC 7</b> Financial Mathematics -II
<b>Wednesday 17/05/2023</b>	2016	MTS3607 OR MTS3610	<b>MATHEMATICS – PAPER-VII</b> Optimization Techniques OR <b>MATHEMATICS – PAPER-X</b> Lebesgue Integration
	2016	VBT3602	<b>VOCATIONAL PAPER - II</b> <b>BIOTECHNOLOGY</b> Entrepreneurship Development
<b>Thursday 18/05/2023</b>	2016	MTS3609 OR MTS3611	<b>MATHEMATICS – PAPER-IX</b> C-Programming – II OR <b>MATHEMATICS – PAPER-XI</b> Financial Mathematics – II
<b>Friday 19/05/2023</b>	2016	VPH3601	<b>VOCATIONAL PHOTOGRAPHY - PAPER-I</b> Entrepreneurship Development*
<b>Saturday 20/05/2023</b>	2016	VPH3602	<b>VOCATIONAL PHOTOGRAPHY - PAPER-II</b> Radio Production*

**NOTE: -** The practical examinations will be conducted before theory Examination.

**Dr. Nandkumar Mandlik**  
Controller of Examinations  
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**Dr. Ravindrasing Pardeshi**  
Principal  
Fergusson College (Autonomous)