

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

**THIRD YEAR B. Sc.  
(SEMESTER - V)**

**Regular & Backlog (2019 & 2016 PATTERN)  
SCHEDULE OF END SEMESTER EXAMINATION,  
NOVEMBER 2022  
(Offline Examination)  
(Under Faculty of Science)**

**INSTRUCTIONS FOR CANDIDATES**

1. Candidates are required to be present at the examination centre **fifteen minutes** before the time fixed for the first paper and **ten minutes** before the time of each subsequent paper.
2. Candidates are **not allowed** from taking any material into the examination hall that can be used for malpractice at the time of examination.
3. 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.
4. 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.
5. 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 28/11/2022</b>	2016	BOT3501	<b>BOTANY – PAPER-I</b> Cryptogamic Botany
	2019	BOT3501	CRYPTOGAMIC BOTANY
	2016	CHE3501	<b>CHEMISTRY – PAPER-I</b> Physical Chemistry I
	2019	CHE3501	PHYSICAL CHEMISTRY - I
	2016	ELS3501	<b>ELECTRONIC SCIENCE- PAPER-I</b> Design with Analog ICs
	2019	ELS3501	COMMUNICATION ELECTRONICS
	2016	EVS3501	<b>ENVIRONMENTAL SCIENCE – PAPER-I</b> Terrestrial and Aquatic Ecosystems Management
	2019	EVS3501	TERRESTRIAL AND AQUATIC ECOSYSTEMS MANAGEMENT
	2016	GLY3501	<b>GEOLOGY – PAPER-I</b> Mineralogy, Optics and Crystallography
	2019	GLY3501	MINERALOGY
	2016	MIC3501	<b>MICROBIOLOGY – PAPER-I</b> Medical Microbiology
	2019	MIC3501	MEDICAL MICROBIOLOGY
	2016	PHY3501	<b>PHYSICS – PAPER-I</b> Mathematical Methods in Physics
	2019	PHY3501	MATHEMATICAL METHODS IN PHYSICS
	2016	STS3501	<b>STATISTICS – PAPER-I</b> Distribution Theory
	2019	STS3501	DISTRIBUTION THEORY

<b>Monday</b> <b>28/11/2022</b>	2016	ZOO3501	<b>ZOOLOGY – PAPER-I</b> Life & Diversity of Animals- V
	2019	ZOO3501	LIFE AND DIVERSITY OF ANIMALS-V
	2016	MTS3501	<b>MATHEMATICS – PAPER-I</b> Metric Spaces
	2019	MTS3501	REAL ANALYSIS - I
<b>Tuesday</b> <b>29/11/2022</b>	2016	BOT3502	<b>BOTANY – PAPER-II</b> Cell Biology
	2019	BOT3502	ETHNOBOTANY
	2016	CHE3502	<b>CHEMISTRY – PAPER-II</b> Inorganic Chemistry I
	2019	CHE3502	INORGANIC CHEMISTRY - I
	2016	ELS3502	<b>ELECTRONIC SCIENCE – PAPER-II</b> Electronic Communication System
	2019	ELS3502	MICROPROCESSORS & MICROCONTROLLERS
	2016	EVS3502	<b>ENVIRONMENTAL SCIENCE – PAPER-II</b> Environmental Monitoring
	2019	EVS3502	ENVIRONMENTAL MONITORING
	2016	GLY3502	<b>GEOLOGY – PAPER-II</b> Structural Geology and Tectonics
	2019	GLY3502	ENGINEERING GEOLOGY
	2016	MIC3502	<b>MICROBIOLOGY – PAPER-II</b> DNA Functioning & Transfer in Bacteria
	2019	MIC3502	DNA FUNCTIONING AND TRANSFER IN BACTERIA
	2016	PHY3502	<b>PHYSICS – PAPER-II</b> Solid State Physics
	2019	PHY3502	SOLID STATES OF PHYSICS

<b>Tuesday 29/11/2022</b>	2016	STS3502	<b>STATISTICS – PAPER-II</b> Theory of Estimation
	2019	STS3502	THEORY OF ESTIMATION
	2016	ZOO3502	<b>ZOOLOGY – PAPER-II</b> Fundamentals of Histology
	2019	ZOO3502	FUNDAMENTALS OF HISTOLOGY
	2016	MTS3502	<b>MATHEMATICS – PAPER-II</b> Real Analysis - I
	2019	MTS3502	COMPLEX ANALYSIS - I
<b>Wednesday 30/11/2022</b>	2016	BOT3503	<b>BOTANY – PAPER-III</b> Genetics and Evolution
	2019	BOT3503	GENETICS AND EVOLUTION
	2016	CHE3503	<b>CHEMISTRY – PAPER-III</b> Organic Chemistry I
	2019	CHE3503	ORGANIC CHEMISTRY - I
	2016	ELS3503	<b>ELECTRONIC SCIENCE – PAPER-III</b> Microcontroller
	2019	ELS3503	CIRCUIT DESIGN WITH LINEAR ICS
	2016	EVS3503	<b>ENVIRONMENTAL SCIENCE – PAPER-III</b> Remote Sensing and GIS
	2019	EVS3503	REMOTE SENSING AND GIS
	2016	GLY3503	<b>GEOLOGY – PAPER-III</b> Precambrian Stratigraphy of India
	2019	GLY3503	STRUCTURAL GEOLOGY
	2016	MIC3503	<b>MICROBIOLOGY – PAPER-III</b> Enzymology
	2019	MIC3503	ENZYMOLGY
	2016	PHY3503	<b>PHYSICS – PAPER-III</b> Classical Mechanics

<b>Wednesday 30/11/2022</b>	2019	PHY3503	CLASSICAL MECHANICS
	2016	MTS3503	<b>MATHEMATICS – PAPER-III</b> Mathematics Problem Course - I
	2019	MTS3503	GROUP THEORY
	2016	STS3503	<b>STATISTICS – PAPER-III</b> Introduction to Regression Analysis
	2019	STS3503	INTRODUCTION TO REGRESSION ANALYSIS
	2016	ZOO3503	<b>ZOOLOGY – PAPER-III</b> Bio-Chemistry
	2019	ZOO3503	BIOCHEMISTRY
<b>Thursday 01/12/2022</b>	2016	BOT3504	<b>BOTANY – PAPER-IV</b> Spermatophyta and Palaeobotany
	2019	BOT3504	SPERMATOPHYTA AND PALEOBOTANY
	2016	CHE3504	<b>CHEMISTRY – PAPER-IV</b> Analytical Chemistry I
	2019	CHE3504	ANALYTICAL CHEMISTRY - I
	2016	ELS3504	<b>ELECTRONIC SCIENCE – PAPER -IV</b> Embedded C
	2019	ELS3504	SENSORS AND ACTUATORS
	2016	EVS3504	<b>ENVIRONMENTAL SCIENCE –PAPER- IV</b> Environmental Biotechnology
	2019	EVS3504	ENVIRONMENTAL BIOTECHNOLOGY
	2016	GLY3504	<b>GEOLOGY – PAPER-IV</b> Geomorphology, Remote Sensing & Field Geology
	2019	GLY3504	GEOLOGY OF INDIA - I
	2016	MIC3504	<b>MICROBIOLOGY – PAPER-IV</b> Fundamentals of Immunology
2019	MIC3504	FUNDAMENTALS OF IMMUNOLOGY	

<b>Thursday</b> <b>01/112/2022</b>	2016	PHY3504	<b>PHYSICS – PAPER-IV</b> Atomic and Molecular Physics
	2019	PHY3504	ATOMIC AND MOLECULAR PHYSICS
	2016	STS3504	<b>STATISTICS – PAPER-IV</b> Designs of Experiments
	2019	STS3504	DESIGN OF EXPERIMENTS
	2016	ZOO3504	<b>ZOOLOGY – PAPER-IV</b> Ecology and Environmental Biology
	2019	ZOO3504	ECOLOGY AND ENVIRONMENTAL BIOLOGY
	2016	MTS3504	<b>MATHEMATICS – PAPER-IV</b> Group Theory
	2019	MTS3504	ADVANCED LINEAR ALGEBRA
<b>Friday</b> <b>02/12/2022</b>	2016	BOT3505 OR BOT3506	<b>BOTANY – PAPER-V</b> Horticulture, Floriculture and Gardening <b>OR</b> <b>BOTANY – PAPER-VI</b> Bio-Fertilizers
	2019	BOT3505	HORTICULTURE AND FLORICULTURE
	2016	CHE3505 OR CHE3506	<b>CHEMISTRY – PAPER-V</b> Nuclear Chemistry I <b>OR</b> <b>CHEMISTRY – PAPER-VI</b> Biochemistry I
	2019	CHE3505	INDUSTRIAL CHEMISTRY – I
	2016	ELS3505 OR ELS3506	<b>ELECTRONIC SCIENCE – PAPER-V</b> Sensors & Actuators <b>OR</b> <b>ELECTRONIC SCIENCE – PAPER-VI</b> Optoelectronics
	2019	ELS3505	POWER ELECTRONICS

<b>Friday 02/12/2022</b>	2016	EVS3505 OR EVS3506	<b>ENVIRONMENTAL SCIENCE–PAPER-V</b> Resource Economics <b>OR</b> <b>ENVIRONMENTAL SCIENCE–PAPER-VI</b> Introduction to Environmental Statistics
	2019	EVS3505	INTRODUCTION TO ENVIRONMENTAL STATISTICS
	2016	GLY3505 OR GLY3506	<b>GEOLOGY – PAPER-V</b> Engineering Geology <b>OR</b> <b>GEOLOGY – PAPER-VI</b> Principles of Geochemistry
	2019	GLY3505	GEOMORPHOLOGY AND REMOTE SENSING
	2016	MIC3505 OR MIC3506	<b>MICROBIOLOGY – PAPER-V</b> Principles of Fermentation Technology <b>OR</b> <b>MICROBIOLOGY – PAPER-VI</b> Basic Wastewater Treatment
	2019	MIC3505	PRINCIPLES OF FERMENTATION TECHNOLOGY
	2016	PHY3505 OR PHY3506	<b>PHYSICS – PAPER-V</b> Analog Electronics <b>OR</b> <b>PHYSICS – PAPER-VI</b> C-Programming
	2019	PHY3505	ELEMENTS OF MATERIAL SCIENCE
	2016	STS3505 OR STS3506	<b>STATISTICS – PAPER-V</b> Actuarial Statistics <b>OR</b> <b>STATISTICS – PAPER-VI</b> Demography & Indian Official Statistics
	2019	STS3505	ACTUARIAL STATISTICS
	2016	ZOO3515	<b>ZOOLOGY – PAPER-V</b> Immunology
	2019	ZOO3515	FORENSIC ENTOMOLOGY

<b>Friday</b> <b>02/12/2022</b>	2016	MTS3505	<b>MATHEMATICS – PAPER-V</b> Partial Differential Equation
	2019	MTS3505	METRIC SPACES - I
	2016	VPH3501	<b>VOCATIONAL PHOTOGRAPHY- PAPER-I</b> Video Recording and Playback Systems*
	2019	VPH3501	VIDEO RECORDING AND PLAYBACK SYSTEMS
<b>Saturday</b> <b>03/12/2022</b>	2016	BOT3507 OR BOT3508	<b>BOTANY – PAPER-VII</b> Techniques in Plant Sciences and Biostatistics <b>OR</b> <b>BOTANY – PAPER-VIII</b> Ethnobotany
	2019	BOT3506	CELL BIOLOGY AND MOLECULAR BIOLOGY
	2016	CHE3507 OR CHE3508	<b>CHEMISTRY – PAPER-VII</b> Industrial Chemistry I <b>OR</b> <b>CHEMISTRY – PAPER-VIII</b> Environmental Chemistry I
	2019	CHE3506	BIOCHEMISTRY - I
	2016	ELS3507 OR ELS3508	<b>ELECTRONIC SCIENCE – PAPER-VII</b> Computer Networks <b>OR</b> <b>ELECTRONIC SCIENCE – PAPER-VIII</b> Smart Systems
	2019	ELS3506	ELECTRONIC DESIGN AUTOMATION TOOLS
	2016	EVS3507 OR EVS3508	<b>ENVIRONMENTAL SCIENCE – PAPER- VII</b> Environmental Issues and Solutions <b>OR</b> <b>ENVIRONMENTAL SCIENCE – PAPER- VIII</b> Climate Change and Sustainability
	2019	EVS3506	CLIMATE CHANGE AND SUSTAINABILITY



<b>Saturday 03/12/2022</b>	2016	GLY3507 OR GLY3508	<b>GEOLOGY- PAPER-VII</b> Quaternary Geology and Paleoclimate <b>OR</b> <b>GEOLOGY- PAPER-VIII</b> Basics of Geophysics and Geophysical Prospecting
	2019	GLY3506	HYDROGEOLOGY
	2016	MIC3507 OR MIC3508	<b>MICROBIOLOGY – PAPER-VII</b> Agricultural Microbiology & Bio nanotechnology <b>OR</b> <b>MICROBIOLOGY – PAPER-VIII</b> Instrumentation in Biology
	2019	MIC3506	AGRICULTURAL MICROBIOLOGY AND BIO NANOTECHNOLOGY
	2016	PHY3507 OR PHY3508 OR PHY3509	<b>PHYSICS – PAPER-VII</b> LASERS <b>OR</b> <b>PHYSICS – PAPER-VIII</b> Elements of Materials Science <b>OR</b> Radiation Physics
	2019	PHY3506	LASERS
	2016	STS3507 OR STS3508	<b>STATISTICS – PAPER-VII</b> Operations Research <b>OR</b> <b>STATISTICS – PAPER-VIII</b> Biostatistics
	2019	STS3506	OPERATIONS RESEARCH
	2016	ZOO3517 ZOO3607 OR ZOO3508	<b>ZOOLOGY</b> Biological Techniques <b>OR</b> Forensic Entomology
	2019	ZOO3517	BIOLOGICAL TECHNIQUES & BIOINFORMATIC
	2016	MTS3506	<b>MATHEMATICS – PAPER-VI</b> Mathematics Problem Course - II
	2019	MTS3506	NUMBER THEORY

<b>Saturday</b> <b>03/12/2022</b>	2016	VBT3501	<b>VOCATIONAL BIOTECHNOLOGY - PAPER - I</b> Plant and Animal Biotechnology
	2019	VBT3501	PLANT AND ANIMAL BIOTECHNOLOGY
	2016	VPH3502	<b>VOCATIONAL PHOTOGRAPHY - PAPER-II</b> Video Production*
	2019	VPH3502	VIDEO PRODUCTION
<b>Monday</b> <b>05/12/2022</b>	<b>2019</b>	<b>SEC 1</b>	<b>Of Respective Departments</b>
<b>Tuesday</b> <b>06/12/2022</b>	<b>2019</b>	<b>SEC 2</b>	
<b>Wednesday</b> <b>07/12/2022</b>	2016	MTS3507 OR MTS3508	<b>MATHEMATICS – PAPER-VII</b> Operations Research <b>OR</b> <b>MATHEMATICS – PAPER-VIII</b> Number Theory
	2016	VBT3502	<b>VOCATIONAL PAPER - II BIOTECHNOLOGY</b> Microbial Biotechnology and Fermentation
	2019	VBT3502	MICROBIAL BIOTECHNOLOGY AND FERMENTATION
<b>Thursday</b> <b>08/12/2022</b>	2016	MTS3509 OR MTS3511	<b>MATHEMATICS – PAPER-IX</b> C-programming – I <b>OR</b> <b>MATHEMATICS – PAPER-XI</b> Financial Mathematics – I

**NOTE: -** The practical examinations will be conducted before theory examination in such a way that, there will no clashes.

**Dr. Radhika Jadhav**  
**Controller of Examinations**  
**Fergusson College (Autonomous)**

**Dr. Ravindrasing Pardeshi**  
**Principal**  
**Fergusson College (Autonomous)**