

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

**THIRD YEAR B.Sc. SEM V: (AUTONOMOUS)**

**CE-II (Internal)**

**BACKLOG (2016 & 2019 PATTERN)**

**(INCLUDING VOC)**

**Examination of June 2021**

**(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 you agree to the Candidate Rules for 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.
8. In case of any technical problem during examination candidates should contact the subject teacher or HOD immediately.
9. **CE-II examination of 2016 Pattern for following paper codes will be conducted on the same date and time.**

**Time: 4:45 PM to 5:15 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
<b>Wednesday 09.06.2021</b>	MTS3507	<b>MATHEMATICS – PAPER-VII</b> Operations Research
	OR MTS3508	<b>MATHEMATICS – PAPER-VIII</b> Number Theory
<b>Thursday 10.06.2021</b>	BOT3501	<b>BOTANY – PAPER-I</b> Cryptogamic Botany
	CHE3501	<b>CHEMISTRY – PAPER-I</b> Physical Chemistry I
	ELS3501	<b>ELECTRONIC SCIENCE- PAPER-I</b> Design with Analog ICs
	EVS3501	<b>ENVIRONMENTAL SCIENCE – PAPER-I</b> Terrestrial and Aquatic Ecosystems Management
	GLY3501	<b>GEOLOGY – PAPER-I</b> Mineralogy, Optics and Crystallography
	MIC3501	<b>MICROBIOLOGY – PAPER-I</b> Medical Microbiology
	PHY3501	<b>PHYSICS – PAPER-I</b> Mathematical Methods in Physics
	STS3501	<b>STATISTICS – PAPER-I</b> Distribution Theory
	ZOO3501	<b>ZOOLOGY – PAPER-I</b> Life & Diversity of Animals- V
	MTS3501	<b>MATHEMATICS – PAPER-I</b> Metric Spaces
<b>Friday 11.06.2021</b>	BOT3502	<b>BOTANY – PAPER-II</b> Cell Biology
	CHE3502	<b>CHEMISTRY – PAPER-II</b> Inorganic Chemistry I
	ELS3502	<b>ELECTRONIC SCIENCE – PAPER-II</b> Electronic Communication System
	EVS3502	<b>ENVIRONMENTAL SCIENCE – PAPER-II</b> Environmental Monitoring
	GLY3502	<b>GEOLOGY – PAPER-II</b> Structural Geology and Tectonics

	MIC3502	<b>MICROBIOLOGY – PAPER-II</b> DNA Functioning & Transfer in Bacteria
	PHY3502	<b>PHYSICS – PAPER-II</b> Solid State Physics
	STS3502	<b>STATISTICS – PAPER-II</b> Theory of Estimation
	ZOO3502	<b>ZOOLOGY – PAPER-II</b> Fundamentals of Histology
	MTS3502	<b>MATHEMATICS – PAPER-II</b> Real Analysis - I
<b>Saturday</b> <b>12.06.2021</b>	BOT3503	<b>BOTANY – PAPER-III</b> Genetics and Evolution
	CHE3503	<b>CHEMISTRY – PAPER-III</b> Organic Chemistry I
	ELS3503	<b>ELECTRONIC SCIENCE – PAPER-III</b> Microcontroller
	EVS3503	<b>ENVIRONMENTAL SCIENCE – PAPER-III</b> Remote Sensing and GIS
	GLY3503	<b>GEOLOGY – PAPER-III</b> Precambrian Stratigraphy of India
	MIC3503	<b>MICROBIOLOGY – PAPER-III</b> Enzymology
	PHY3503	<b>PHYSICS – PAPER-III</b> Classical Mechanics
	MTS3503	<b>MATHEMATICS – PAPER-III</b> Mathematics Problem Course - I
	STS3503	<b>STATISTICS – PAPER-III</b> Introduction to Regression Analysis
	ZOO3503	<b>ZOOLOGY – PAPER-III</b> Bio-Chemistry
<b>Sunday</b> <b>13.06.2021</b>	BOT3504	<b>BOTANY – PAPER-IV</b> Spermatophyta and Palaeobotany
	CHE3504	<b>CHEMISTRY – PAPER-IV</b> Analytical Chemistry I
	ELS3504	<b>ELECTRONIC SCIENCE – PAPER -IV</b> Embedded C

	EVS3504	<b>ENVIRONMENTAL SCIENCE – PAPER-IV</b> Environmental Biotechnology
	GLY3504	<b>GEOLOGY – PAPER-IV</b> Geomorphology, Remote Sensing & Field Geology
	MIC3504	<b>MICROBIOLOGY – PAPER-IV</b> Fundamentals of Immunology
	PHY3504	<b>PHYSICS – PAPER-IV</b> Atomic and Molecular Physics
	STS3504	<b>STATISTICS – PAPER-IV</b> Designs of Experiments
	ZOO3504	<b>ZOOLOGY – PAPER-IV</b> Ecology and Environmental Biology
	MTS3504	<b>MATHEMATICS – PAPER-IV</b> Group Theory
<b>Monday</b> <b>14.06.2021</b>	BOT3505 OR BOT3506	<b>BOTANY – PAPER-V</b> Horticulture, Floriculture and Gardening OR <b>BOTANY – PAPER-VI</b> Bio-Fertilizers
	CHE3505 OR CHE3506	<b>CHEMISTRY – PAPER-V</b> Nuclear Chemistry I OR <b>CHEMISTRY – PAPER-VI</b> Biochemistry I
	ELS3505 OR ELS3506	<b>ELECTRONIC SCIENCE – PAPER-V</b> Sensors & Actuators OR <b>ELECTRONIC SCIENCE – PAPER-VI</b> Optoelectronics
	EVS3505 OR EVS3506	<b>ENVIRONMENTAL SCIENCE – PAPER-V</b> Resource Economics OR <b>ENVIRONMENTAL SCIENCE – PAPER-VI</b> Introduction to Environmental Statistics
	GLY3505 OR GLY3506	<b>GEOLOGY – PAPER-V</b> Engineering Geology OR <b>GEOLOGY – PAPER-VI</b> Principles of Geochemistry

	MIC3505 OR MIC3506	<b>MICROBIOLOGY – PAPER-V</b> Principles of Fermentation Technology <b>OR</b> <b>MICROBIOLOGY – PAPER-VI</b> Basic Waste Water Treatment
	PHY3505 OR PHY3506	<b>PHYSICS – PAPER-V</b> Analog Electronics <b>OR</b> <b>PHYSICS – PAPER-VI</b> C-Programming
	STS3505 OR STS3506	<b>STATISTICS – PAPER-V</b> Actuarial Statistics <b>OR</b> <b>STATISTICS – PAPER-VI</b> Demography & Indian Official Statistics
	ZOO3515	<b>ZOOLOGY – PAPER-V</b> Immunology
	MTS 3505	<b>MATHEMATICS – PAPER-V</b> Partial Differential Equation
<b>Monday</b> <b>14.06.2021</b>	VPH3501	<b>VOCATIONAL PHOTOGRAPHY –PAPER-I</b> Video Recording and Playback Systems*
<b>Tuesday</b> <b>15.06.2021</b>	BOT3507 OR BOT3508	<b>BOTANY – PAPER-VII</b> Techniques in Plant Sciences and Biostatistics <b>OR</b> <b>BOTANY – PAPER-VIII</b> Ethnobotany
	CHE3507 OR CHE3508	<b>CHEMISTRY – PAPER-VII</b> Industrial Chemistry I <b>OR</b> <b>CHEMISTRY – PAPER-VIII</b> Environmental Chemistry I
	ELS3507 OR ELS3508	<b>ELECTRONIC SCIENCE – PAPER-VII</b> Computer Networks <b>OR</b> <b>ELECTRONIC SCIENCE – PAPER-VIII</b> Smart Systems

	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
	GLY3507 OR GLY3508	<b>GEOLOGY- PAPER-VII</b> Quaternary Geology and Palaeoclimate <b>OR</b> <b>GEOLOGY- PAPER-VIII</b> Basics of Geophysics and Geophysical Prospecting
	MIC3507 OR MIC3508	<b>MICROBIOLOGY – PAPER-VII</b> Agricultural Microbiology & Bionanotechnology <b>OR</b> <b>MICROBIOLOGY – PAPER-VIII</b> Instrumentation in Biology
	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
	STS3507 OR STS3508	<b>STATISTICS – PAPER-VII</b> Operations Research <b>OR</b> <b>STATISTICS – PAPER-VIII</b> Biostatistics
	ZOO3517 ZOO3607 OR ZOO3508	<b>ZOOLOGY</b> Biological Techniques <b>OR</b> Forensic Entomology
	MTS 3506	<b>MATHEMATICS – PAPER-VI</b> Mathematics Problem Course - II
	VBT3501	<b>VOCATIONAL BIOTECHNOLOGY - PAPER - I</b> Plant and Animal Biotechnology
<b>Tuesday</b> <b>15.06.2021</b>	VPH3502	<b>VOCATIONAL PHOTOGRAPHY –PAPER-II</b> Video Production*
<b>Wednesday</b> <b>16.06.2021</b>	MTS3509 OR MTS3511	<b>MATHEMATICS – PAPER-IX</b> C-programming – I <b>OR</b> <b>MATHEMATICS – PAPER-XI</b> Financial Mathematics – I

	VBT3502	<b>VOCATIONAL PAPER - II BIOTECHNOLOGY</b> Microbial Biotechnology and Fermentation
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**Dr. Radhika Jadhav**  
**Controller of Examinations**  
**Fergusson College (Autonomous)**

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