

**SHRI GURU RAM RAI UNIVERSITY, PATEL NAGAR, DEHRADUN-248001**  
**(UTTARAKHAND)**

**Date Sheet -ESE Examination November 2023 (Regular +Supplementary Examination)**

**SCHOOL OF BASIC AND APPLIED SCIENCES**

**Course: B.Sc.**

**Semester: I**

**Time: 10:00 am-12:30pm**

<b>Program</b>	<b>DATE</b>	<b>DAY</b>	<b>Subject Code</b>	<b>Subject Name</b>
Physics	02-12-23	Saturday	PHYDC101/BPHC 101/ PHYMC 101	Mechanics
Zoology	04-12-23	Monday	ZOODC 101/BZOC 101/ ZOOMC 101	Non Chordata/ Animal Diversity
Physics	05-12-23	Tuesday	PHYSC 105/ PHYVC 104	Basic Instrumentation skills
Chemistry	05-12-23	Tuesday	CHESC 105	Basic Analytical Chemistry I
Zoology	06-12-23	Wednesday	ZOOSC 105	Public Health and Hygiene
Maths	07-12-23	Thursday	MATDC 101/ BMTC 101/ MATMC 101	Differential Calculus
Botany	08-12-23	Friday	BOTDC 101/ BOTMC 101/ BBOC 101(BACK)	Microbes, Algae, Fungi and Bryophytes/ Biodiversity(Microbes, Algae, Fungi and Archegoniate) (BACK)
Chemistry	09-12-23	Saturday	CHEDC 101/ CHEMC 101	Fundamentals of Chemistry I
Geology	11-12-23	Monday	GELDC 101/ GELMC 101	Physical Geology and Structural Geology/ Physical and Structural Geology
B.Sc. (Hons) Micro I sem	04-12-23	Monday	MICDC 101/MICMC 101	Introduction to Microbiology
	06-12-23	Wednesday	MICDC 102/ MICMC102	Cell Biology
	08-12-23	Friday	MICDC	Biochemistry

			103/MICME103a	
	11-12-23	Monday	MICSC105/MICVO105	Microbial Quality Control in Food and Pharmaceutical Industries
Biotech (Hons)	04-12-23	Monday	BITMC 101	Basic Biochemistry
	06-12-23	Wednesday	BITMC 103	Elementary Cell Biology
	08-12-23	Friday	BITMC 105	General Microbiology
	11-12-23	Wednesday	BITSE109	Basics of Fermentation Technology
	13-12-23	Monday	BITVC 108	Concept of Food Technology
B.Sc. (All)	16-12-23	Saturday	AEC I/ AEC 106	Environment Studies
	13-12-23	Wednesday	BOTGE103/ BOTOE 001	Plant Science I
	15-12-23	Friday	MICGE 104/ MICOE104	Introduction to Microbiology I
	14-12-23	Thursday	GELGE 103	Geohydrology
Micro with CBZ	15-12-23	Friday	BMBC 101 (BACK)	Introduction to Microbiology

**SHRI GURU RAM RAI UNIVERSITY, PATEL NAGAR, DEHRADUN-248001**  
**(UTTARAKHAND)**

Date Sheet -ESE Examination November 2023 (Regular +Supplementary Examination)

**SCHOOL OF BASIC AND APPLIED SCIENCES**

**Course: B.Sc.**  
**Semester: III**

**Time: 10:00 am-12:30 pm**

<b>Program</b>	<b>DATE</b>	<b>DAY</b>	<b>Subject Code</b>	<b>Subject Name</b>
Zoology	22-11-2023	Wednesday	ZOOMC301/ BZOC 301	Molecular Biology, Toxicology & Histology/ Physiology & Biochemistry
Physics	24-11-2023	Friday	PHYMC 301/ BPHC 301	Thermodynamics/ Thermal Physics and Statistical Mechanics
Chemistry	27-11-2023	Monday	CHEMC 301/ BCHC 301	General Chemistry I/ Solution, Phase equilibrium, Conductance, Electrochemistry & Functional group organic chemistry
Geology	28-11-2023	Tuesday	GELMC 301/ BGLC 301	Petrology
			BGLS 301 (BACK)	Geomorphology & Geotectonics
Botany	29-11-2023	Wednesday	BOTMC 301/ BBOC 301	Morphology and Anatomy/ Plant Anatomy and Embryology
Chemistry	30-11-23	Thursday	CHEVC 301	Chemistry of soil and water
Botany	01-12-2023	Friday	BOTVC 303	Biofertilizers
Zoology	01-12-2023	Friday	ZOOVC 303	Apiculture
Maths	05-12-2023	Tuesday	MATMC 301/ BMTC 301	ODE & PDE I/ Real Analysis

B.Sc. Micro (Hons.)	22-11-23	Wednesday	MICMC 301	Molecular Biology
	25-11-23	Saturday	MICMC 302	Food Processing & Preservation
	29-11-23	Wednesday	MICME 303a	Chemistry I
	01-12-23	Friday	MICVO 305	Computational Biology & Bioinformatics
B.Sc.Biotech (Hons)	22-11-23	Wednesday	BITMC 301	Genetics
	25-11-23	Saturday	BITMC 303	General Microbiology
	29-11-23	Wednesday	BITME 305a	Chemistry I
	01-12-23	Friday	BITVC 308	Disaster Management
Open elective	02-12-23	Saturday	MICOE 304	Vermitechnology
	09-12-23	Saturday	BOTOE 002	Plant Science II
Micro with CBZ	1-12-23	Friday	BMBC 301(BACK)	Microbial Physiology and Metabolism
Biotech (Hons)	22-11-23	Wednesday	HBTG 304	Biosafety and Bioethics

**SHRI GURU RAM RAI UNIVERSITY, PATEL NAGAR, DEHRADUN-248001**  
**(UTTARAKHAND)**

**Date Sheet -ESE Examination November 2023 (Regular +Supplementary Examination)**

**School of Basic and Applied Sciences**

**COURSE: B.SC.**

**SEMESTER: V**

**TIME: 2:00 PM-4:30PM**

<b>Program</b>	<b>Date of Exam</b>	<b>Day of Exam</b>	<b>Subject Code</b>	<b>Subject Name</b>
Botany	24-11-23	Friday	BBOD 501	Economic Botany and Biotechnology
Chemistry	28-11-23	Tuesday	BCHD 501	Analytical Methods in Chemistry
Microbiology with CBZ	30-11-23	Thursday	BMBD 502	Industrial and Food Microbiology
Biotech with CBZ	30-11-23	Thursady	BBTC 501	Animal Biotechnology
Geology	30-11-23	Thursday	BGLD 501	Palaeontology
Maths	1-12-23	Friday	BMTD 503	Linear Algebra
Zoology	02-12-23	Saturday	BZOD 503	Animal Behaviour and Ecology
Physics	04-12-23	Monday	BPHD 501	Elements of Modern Physics
Zoology	05-12-23	Tuesday	BZOS 504	Public Health & Hygiene
Botany	05-12-23	Tuesday	BBOS 505	Nursery and Gardening
Physics	06-12-23	Wednesday	BPHS503	Electronics I (Network Theorem, Solid State Devices, Rectifiers and Filters)

Biotech (Hons)	25-11-23	Saturday	HBTC 501	Bioprocess Technology
	28-11-23	Tuesday	HBTC 502	Recombinant DNA Technology
	30-11-23	Thursday	HBTD 504	Animal Biotechnology
	02-12-23	Saturday	HBTD 507	Plant Biotechnology

**Date Sheet -ESE School of Basic and Applied Sciences**

**Course: M.Sc. Semester: I Time: 10:00am to 12:30 pm**

<b>Program</b>	<b>Date of Exam</b>	<b>Day of Exam</b>	<b>Subject Code</b>	<b>Subject Name</b>
M.Sc. Biotechnology	04-12-23	Monday	MBTC 101	Cell Biology, Developmental Biology & Biophysics
	06-12-23	Wednesday	MBTC 102	Biological & Radiotracer Techniques
	08-12-23	Friday	MBTC 103	Molecular Biology & Genetics
	11-12-23	Monday	MBTC 104	Biochemistry
M.Sc. Chemistry	04-12-23	Monday	MCHC 101	Inorganic Chemistry I
	06-12-23	Wednesday	MCHC 102	Organic Chemistry II
	08-12-23	Friday	MCHC 103	Physical Chemistry I
	11-12-23	Monday	MCHC 104	Spectroscopy and Group theory
M.Sc. Microbiology	04-12-23	Monday	MMBC 101	Introductory Microbiology
	06-12-23	Wednesday	MMBC 102	Principles of Biochemistry
	08-12-23	Friday	MMBC 103	Cell and Molecular Biology
	11-12-23	Monday	MMBC 104	Microbial Genetics
M.Sc. Physics	04-12-23	Monday	MPHC 101	Classical Mechanics
	06-12-23	Wednesday	MPHC 102	Mathematical Physics
	08-12-23	Friday	MPHC 103	Electrodynamics and Astrophysics
	11-12-23	Monday	MPHC 104	Electronics
M.Sc. Environmental Science	04-12-23	Monday	MESC 101	Fundamentals of Environmental Sciences
	06-12-23	Wednesday	MESC 102	Man and Environment
	08-12-23	Friday	MESC 103	Natural Resource Management
	11-12-23	Monday	MESC 104	Environmental Chemistry and Instrumentation

M.Sc. Zoology	04-12-23	Monday	MZOC 101	Cell Biology and Genetics
	06-12-23	Wednesday	MZOC 102	Lower Non-Chordata
	08-12-23	Friday	MZOC 103	Molecular Biology, Evolution and Statistics
	11-12-23	Monday	MZOC 104	Computer Application, Biostatistics and Techniques in Biology
M.Sc. Botany	04-12-23	Monday	MBOC 101	Mycology and Microbiology
	06-12-23	Wednesday	MBOC 102	Phycology and Bryology
	08-12-23	Friday	MBOC 103	Pteridology, Gymnosperm and Palaeobotany
	11-12-23	Monday	MBOC 104	Taxonomy and diversity of flowering plants
M.Sc. Geology	04-12-23	Monday	MGLC 101	General Geology and Geomorphology
	06-12-23	Wednesday	MGLC 102	Structural Geology
	08-12-23	Friday	MGLC 103	Mineralogy
	11-12-23	Monday	MGLC 104	General and Invertebrate Palaeontology
M.Sc. Mathematics	04-12-23	Monday	MMTC 101	Differential Equations
	06-12-23	Wednesday	MMTC 102	Abstract Algebra I
	08-12-23	Friday	MMTC 103	Mechanics
	11-12-23	Monday	MMTC 104	Complex Analysis
	13-12-23	Wednesday	MMTC 105	Operation Research I



**SHRI GURU RAM RAI UNIVERSITY, PATEL NAGAR, DEHRADUN-248001**  
**(UTTARAKHAND)**

**Date Sheet -ESE Examination November 2023 (Regular +Supplementary Examination)**

**School of Basic and Applied Sciences**

**Course: M.Sc.**  
**Semester: III**

**Time: 2:00 to 4:30 pm**

<b>Program</b>	<b>Date of Exam</b>	<b>Day of Exam</b>	<b>Subject Code</b>	<b>Subject Name</b>
M.Sc. Physics	28-11-23	Tuesday	MPHC 301	Advanced Quantum Mechanics
	30-11-23	Thursday	MPHC 302	Nuclear Physics
	02-12-23	Saturday	MPHE 304	Condensed Matter Physics
	05-12-23	Tuesday	MPHE 305	Digital and Communication Electronics
M.Sc. Environmental Science	28-11-23	Tuesday	MESC 301	Environmental Economics, Environmental Sociology and Sustainable Development
	30-11-23	Thursday	MESC 302	Remote Sensing, GIS and Environmental Statistics
	02-12-23	Saturday	MESE 305	Environmental Geosciences and Disaster Management
	05-12-23	Tuesday	MESE 306	Biodiversity Conservation and Restoration Ecology
M.Sc. Zoology	28-11-23	Tuesday	MZOC 301	Endocrinology and

				Animal Behaviour
	30-11-23	Thursday	MZOC 302	Chordata
	02-12-23	Saturday	MZOE 305	Environmental Biology-I
	05-12-23	Tuesday	MZOE 308	Environmental Biology - II
M.Sc. Microbiology	28-11-23	Tuesday	MMBC 301	Medical Microbiology
	30-11-23	Thursday	MMBC 302	Industrial and Pharmaceutical Microbiology
	02-12-23	Saturday	MMBE 303a	Food and Dairy Microbiology
	05-12-23	Tuesday	MMBC 304b	Agricultural Microbiology
M.Sc. Botany	28-11-23	Tuesday	MBOC 301	Plant Physiology and Biochemistry
	30-11-23	Thursday	MBOC 302	Ecology and Remote Sensing
	02-12-23	Saturday	MBOE 304/ MBOE 305	Palynology and Pollination Biology/ Fresh Water algal flora of Himalaya
	05-12-23	Tuesday	MBOE 306/ MBOE 307	Plant Health Management/ Environment Microbiology
M.Sc. Biotechnology	28-11-23	Tuesday	MBTC 301	Recombinant DNA Technology & Genomics
	30-11-23	Thursday	MBTC 302	Bioinformatics, Legal Biotechnology & Bio Business Management
	02-12-23	Saturday	MBTE 304	Food and Beverage Biotechnology
	05-12-23	Tuesday	MBTE 308	Plant Biotechnology
				MBTS 312
M.Sc. Geology	28-11-23	Tuesday	MGLC 301	Igneous Petrology & Geochemistry
	30-11-23	Thursday	MGLC 302	Engineering Geology
	02-12-23	Saturday	MGLE 304	Sedimentary and Metamorphic Petrology
	05-12-23	Tuesday	MGLE 305	Mineral Exploration and

				Mining
M.Sc. Chemistry	28-11-23	Tuesday	MCHC 301	Organic Synthesis & Photochemistry
	30-11-23	Thursday	MCHC 302	Heterocyclic Chemistry
	02-12-23	Saturday	MCHE 313	Bioinorganic, Bioorganic & Biochemical Chemistry
	05-12-23	Tuesday	MCHE315	Polymers
M.Sc. Mathematics	28-11-23	Tuesday	MMTC 301	Topology II
	30-11-23	Thursday	MMTC 302	Functional Analysis
	02-12-23	Saturday	MMTE 303	Calculus of Variations
	05-12-23	Tuesday	MMTE 304	Mathematical Statistics
	07-12-23	Thursday	MMTE 305	Differential Geometry