

# University of Mumbai



(ST-11)

**Summer 2023**

Examination Section  
M.J.Phule Bhavan,  
Vidyanagari, Kalina,  
Santacruz (East),  
Mumbai - 400 098.

No. Exam./Sc./S/ST/11 of 2023.

## CIRCULAR:

A reference is invited to Programme to the M.Sc. and M.Sc. research (Theory) (Sem I, II, III & IV) (Choice Based) examinations which was scheduled to commence from 6<sup>th</sup>, 7<sup>th</sup> 20<sup>th</sup> & 21<sup>st</sup> June, 2023, the Heads, University Department of Life Sciences is hereby informed that the following papers will be set for the candidates on the date mentioned against it:-

### Sem I

23/06/2023	10:30 a.m. to 01:00 p.m.	94610	Life Sciences: Environmental Biology, Evolution, Genetics
		94748	Life Sciences: Environmental Biology, Biodiversity Evolution, Genetics (R-2021)
26/06/2023	10:30 a.m. to 01:00 p.m.	94636	Life Sciences: Cell And Molecular Biology
		94749	Life Sciences: Cell Biology (R-2021)
28/06/2023	10:30 a.m. to 01:00 p.m.	94662	Life Sciences: Bio Chemistry
		94750	Life Sciences: Plant Physiology (R-2021)
30/06/2023	10:30 a.m. to 01:00 p.m.	94688	Life Sciences: BioStatistics :And Instrumentation
		94751	Life Sciences: BioStatistics And Biotechnology (R-2021)

### Sem II

15/06/2023	02:30 p.m. to 05:00 p.m.	92108	Life Sciences: (Aquaculture Technology) :Paper I – Microbiology, Immunology& Plant Physiology.
		92109	Life Sciences: Paper I – Microbiology, Immunology& Plant Physiology.
		92269	Life Sciences : Paper I – Biochemistry (R-2022)
17/06/2023	02:30 p.m. to 05:00 p.m.	92133	Life Sciences :(Aquaculture Technology) Paper II – Molecular Biology & Cell Signaling.
		92134	Life Sciences : Paper II – Molecular Biology & Cell Signaling.
		92270	Life Sciences : Paper II – Molecular Biology (R-2022)
19/06/2023	02:30 p.m. to 05:00 p.m.	92158	Life Sciences: Paper III– Animal Science
		92271	Life Sciences : Paper III – Animal Science. (R-2022)
		92159	Life Sciences (Aquaculture Technology) : -Animal Science



21/06/2023	02:30 p.m. to 05:00 p.m.	92185	Life Sciences (Aquaculture Technology) :Bioinformatics, IPR & Bioetics.
		92186	Life Sciences : Bioinformatics, IPR & Bioetics.
		92272	Life Sciences : Bioinformatics, IPR & Bioetics (R-2022)

Sem III

23/06/2023	02:30 p.m. to 05:00 p.m.	94815	Life-Sciences: Bio-Mathematics: And Cell Biology Techniques
		94816	Life-Sciences: Genetic Engineering
		94817	Life-Sciences: Bio-Mathematics: And Environmental Science
		94818	Life-Sciences: Organization Of The Nervous System - I
		94828	Life-Sciences: Coastal Aquaculture
		94994	Life Sciences-Specialization in Environmental Biotechnology: Molecular Aspects of Environment (R-2022-23)
		94998	Life Sciences-Specialization in Biotechnology: Medical Biotechnology (R-2022-23)
		74352	Life Sciences-Specialization in Biochemistry : Bioenergetics & Primary Metabolism (R-2022-23)
		74356	Life Sciences-Specialization in Aquaculture Technology: Aquaculture Principle, Production & Practices (R-2022-23)
26/06/2023	02:30 p.m. to 05:00 p.m.	94848	Life-Sciences: Bioenergetics And Primary Metabolism
		94849	Life-Sciences: Fermentation Technology
		94850	Life-Sciences: Pollution
		94851	Life-Sciences: Systems Approach To Neurosciences - I
		94852	Environmental-Sci.: Instrumentation And Biostatistics
		94859	Life Sciences Aquaculture Tech. Freshwater Aquaculture
		94995	Life Sciences- Specialization in Environmental Bio-technology: Health Aspects of Environment(R-2022-23)
		94999	Life Sciences-Specialization in Biotechnology: Genetic Engineering & Bioprocess (R-2022-23)
		74353	Life Sciences- Specialization in Biochemistry : Biomolecular Structure (R-2022-23)
		74357	Life Sciences-Specialization in Aquaculture Technology: Aquaculture Development & Management (R-2022-23)



28/06/2023		94913	Life-Sciences: Biomolecular Structure
		94914	Life Sciences: Industrial Enzymes, Tissue Culture And Its Application
		94915	Life-Sciences: Environmental Microbiology, Toxicology And Laws
		94916	Life Sciences: Behavioural Neurosciences-I
		94921	Life Sciences Aquaculture Tech. Nutrition, Feed Formulation & Non-Food Aquaculture
		94996	Life Sciences-Specialization in Environmental Biotechnology: Environmental Technology Interventions (R-2022-23)
		95000	Life Sciences-Specialization in Biotechnology: Bio-sustainability of Natural Resources (R-2022-23)
		74354	Life Sciences-Specialization in Biochemistry : Molecular Cell Biology (R-2022-23)
30/06/2023	02:30 p.m. to 05:00 p.m.	74358	Life Sciences-Specialization in Aquaculture Technology: Fish Nutrition & Aquatic Animal Health Management (R-2022-23)
		94967	Life Sciences: Research Methodology And Quality Control
		94968	Life-Sciences: Research Methodology And Quality Control
		94969	Life-Sciences: Research Methodology And Quality Control
		94973	Life Sciences Aquaculture Tech. Research Methodology And Quality Control
		94970	Life-Sciences: Molecular Neurobiology - I
		94997	Life Sciences-Specialization in Environmental Biotechnology: Methods & Applications in Environmental Research(R-2022-23)
		74351	Life Sciences-Specialization in Biotechnology: Emergent Technologies (R-2022-23)
		74355	Life Sciences-Specialization in Biochemistry : Emergent Technologies (R-2022-23)
		74359	Life Sciences-Specialization in Aquaculture Technology: Value Addition, Biochemical, Biotechnical & Environmental Studies of Aquatic Life (R-2022-23)

Sem IV

15/06/2023	10:30 a.m. to 01:00 p.m.	92957	Life Sciences-Specialization in Aquaculture Technology:- Establishment and management of Fish Farm
		92958	Life Sciences- Specialization in Biochemistry :- Food Technology & Quality Assurance



		92959	Life Sciences-Specialization in Biotechnology:- Systems Biology & Quality Assurance
		92960	Life Sciences-Specialization in Environmental- Applied Environmental Biotechnology -I
17/06/2023	10:30 a.m. to 01:00 p.m.	92961	Life Sciences-Specialization in Aquaculture Technology :- Genetic, Cell Culture, Nanotechnology & Aquarium Management in Aquatic Animals
		92962	Life Sciences -Specialization in Biochemistry :- Phytochemicals, Pharmacognosy & Drug Development
		92963	Life Sciences-Specialization in Biotechnology :- Pharmacognosy & Plant Biotechnology
		92964	Life Sciences-Specialization in Environmental- Environmental Management
19/06/2023	10:30 a.m. to 01:00 p.m.	92965	Life Sciences-Specialization in Aquaculture Technology:- Research Methodology, Scientific Writing & Literature Review
		92966	Life Sciences-Specialization in Biochemistry :- Research Methodology, Scientific Writing & Literature Review
		92967	Life Sciences-Specialization in Biotechnology:- Biotechnology:-Research Methodology, Scientific Writing & Literature Review
		92968	Life Sciences-Specialization in Environmental- Environmental Sustainability & Innovation & Literature Review
21/06/2023	10:30 a.m. to 01:00 p.m.	92969	Life Sciences-Specialization in Aquaculture Technology:- Commercially Important Sea Food, Microalgae, Aquatic Waste Product & Use
		92970	Life Sciences-Specialization in Biochemistry :- Tools for Research & Project
		92971	Life Sciences-Specialization in Biotechnology:- Tools for Research & Project
		92972	Life Sciences-Specialization in Environmental- Applied Environmental Biotechnology-II

They are requested to inform the candidates concerned accordingly.

Mumbai – 400 098  
22nd May, 2023  
To,

The Head, University Department of Life Sciences.

Dr. Prasad Karande  
I/C. Director  
Board of Examinations & Evaluation