

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Saturday 09/12/2023	Mathematics	MSMTDC104T	Ordinary Differential Equations



Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Tuesday 12/12/2023	Biochemistry	MSBCDC101T	Biomolecules
	Biotechnology	MSBTDC101T	Biochemistry and Metabolism
	Botany	MSBODC101T	Plant Diversity – I (Algae)
	Chemistry	MSCHDC101T	Physical Chemistry
		MHCHDE101T	Physical Chemistry
	Environmental Science	MSEVDC101T	Ecology and Biodiversity
	Mathematics	MSMTDC101T	Linear Algebra
	Microbiology	MSMBDC101T	Cell Biology and Virology
	Physics	MSPHDC101T	Mathematical Physics
	Zoology	MSZODC101T	Non-Chordata (Systematics and Functional Anatomy)
Data Science	MSDSDC101T	Probability Theory	


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Thursday 14/12/2023	Biochemistry	MSBCDC102T	Cell Biology, Microbiology and Virology
	Biotechnology	MSBTDC102T	Immunology
	Botany	MSBODC102T	Plant Physiology and Ecology
	Chemistry	MSCHDC102T	Inorganic Chemistry
		MSCHDE102T	Inorganic Chemistry
	Environmental Science	MSEVDC102T	Environment and Natural Resources
	Mathematics	MSMTDC102T	Real and Complex Analysis
	Microbiology	MSMBDC102T	Microbial Genetics
	Physics	MSPHDC102T	Classical Mechanics
	Zoology	MSZODC102T	Developmental Biology
Data Science	MSDSDC102T	Programming with Python	


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Saturday 16/12/2023	Biochemistry	MSBCDE101T	Bioorganic Chemistry and Nanotechnology
	Biotechnology	MSBTDE101T	Biochemical and Biophysical Techniques
	Botany	MSBODE101T	Molecular Biology, Cytogenetics and Biotechnology – I
		MSBODE102T	Plant Physiology, Biochemistry & Phytochemistry - I
		MSBODE103T	Ecology, Environmental Botany and Biotechnology - I
	Chemistry	MSCHDC103T	Organic Chemistry
		MSCHDE103T	Organic Chemistry
	Environmental Science	MSEVDE101T	Environmental Pollution
	Mathematics	MSMTDE101T	Probability Theory
	Microbiology	MSMBDE101T	Software Tools for Research
	Physics	MSPHDE101T	Microwave and Digital Electronics
		MSPHDE102T	Thin Film Physics
		MSPHDE103T	Semiconductor Devices
		MSPHDE104T	Fundamentals of Materials Science
	Zoology	MSZODE101T	Principles of Endocrinology
		MSZODE102T	General and Biological Oceanography
	Data Science	MSDSDE101T	DBMS and Data Warehousing

Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Tuesday 19/12/2023	Biochemistry	MSBCRM101T	Research Methodology
	Biotechnology	MSBTRM101T	Research Methodology
	Botany	MSBORM101T	Research Methodology
	Chemistry	MSCHRM101T	Research Methodology
	Environmental Science	MSEVRM101T	Research Methodology
	Mathematics	MSMTRM101T	Research Methodology
	Microbiology	MSMBRM101T	Research Methodology
	Physics	MSPHRM101T	Research Methodology
	Zoology	MSZORM101T	Research Methodology
	Data Science	MSDSRM101T	Research Methodology


Director, BoEE

Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December - 2023

PROGRAMME: M.Sc.

SEMESTER: I

Time-Table

Time: 11.30 am to 02.00 pm

Days & Dates	Department	Course Code	Course Name
Thursday 21/12/2023	Mathematics	MSMTDC103T	Differential Calculus
	Chemistry	MSCHDC104T	Analytical Chemistry
		MSCHDE101T	Analytical Chemistry


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December-2023


PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 11.30 am – 02.00 pm

TIME-TABLE

Days & Dates	Department	Course Code	Paper
Tuesday 12/12/2023	Biochemistry	MSBCCC101T	Biomolecules
	Biotechnology	MSBTCC101T	Biochemistry
	Botany	MSBOCC101T	Plant Diversity I: Microbiology, Virology & Phycology
	Chemistry	MSCHCC101T	Physical Chemistry
	Data Science	MSDSCC101T	Linear Algebra
	Environmental Science	MSEVCC101T	Ecology and Biodiversity
	Mathematics	MSMTCC101T	Algebra-I
	Microbiology	MSMBCC101T	Virology
	Physics	MSPHCC101T	Mathematical Physics
	Zoology	MSZOCC101T	Non-Chordata (Systematics, and functional Anatomy)



Director, BoEE
Director, B.O.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.



Dr. Homi Bhabha State University

DR. HOMI BHABHA STATE UNIVERSITY, MUMBAI

Mahatma Gandhi Road, Fort, Mumbai – 400032

www.hbsu.ac.in

Email Id: director.boee.hbsu@gmail.com



Date: 25/10/2023

EXAMINATION: December-2023

PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 11.30 am – 02.00 pm

TIME-TABLE

Date	Department	Course Code	Paper
Thursday 14/12/2023	Biochemistry	MSBCCC102T	Cell biology and Microbiology
	Biotechnology	MSBTCC102T	Immunology
	Botany	MSBOCC102T	Plant Diversity II: Bryophytes, Pteridophytes & Gymnosperms
	Chemistry	MSCHCC102T	Inorganic Chemistry
	Data Science	MSDSCC102T	Probability Theory
	Environmental Science	MSEVCC102T	Environment and Natural Resources
	Mathematics	MSMTCC102T	Analysis I
	Microbiology	MSMBCC102T	Microbial Genetics
	Physics	MSPHCC102T	Classical Mechanics
	Zoology	MSZOCC102T	Developmental Biology

Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December-2023


PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 11.30 am – 02.00 pm

TIME-TABLE

Date	Department	Course Code	Paper
Saturday 16/12/2023	Biochemistry	MSBCCC103T	Amino acids & Protein Biochemistry
	Biotechnology	MSBTCC103T	Biochemical & Biophysical Techniques
	Botany	MSBOCC103T	Plant Physiology & Biochemistry
	Chemistry	MSCHCC103T	Organic Chemistry
	Data Science	MSDSCC103T	Data Base Management System
	Environmental Science	MSEVCC103T	Environmental Pollution
	Mathematics	MSMTCC103T	Complex Analysis
	Microbiology	MSMBCC103T	Biochemistry
	Physics	MSPHCC103T	Quantum Mechanics
	Zoology	MSZOCC103T	Research Methodology I


Director, BoEE
Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.



Dr Homi Bhabha State University

www.hbsu.ac.in

DR. HOMI BHABHA STATE UNIVERSITY, MUMBAI

Mahatma Gandhi Road, Fort, Mumbai – 400032

Email Id: director.boee.hbsu@gmail.com



ज्ञानं वाचा जपत मदीर्घम्

Date: 25/10/2023

EXAMINATION: December-2023

PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 11.30 am – 02.00 pm

TIME-TABLE

Date	Department	Course Code	Paper
Tuesday 19/12/2023	Biochemistry	MSBCIE101T	Bioorganic Chemistry and Nanobiotechnology
	Biotechnology	MSBTIE101T	Molecular Biology
	Botany	MSBOIE101T	Genetics, Cell Biology & Biotechnology
	Chemistry	MSCHIE101T	Analytical Chemistry
	Data Science	MSDSIE101T	Programming with Python
	Environmental Science	MSEVIE101T	Basics of Environmental Science
	Mathematics	MSMTIE101T	Probability Theory
	Microbiology	MSMBIE101T	Medical Microbiology and Immunology
	Physics	MSPHIE101T	Solid State Physics
	Zoology	MSZOIE101T	Parasitology

Director, BoEE
Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December-2023

PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 11.30 am – 01.00 pm

TIME-TABLE

Date	Department	Course Code	Paper
Thursday 21/12/2023	Biochemistry	MSBCGE101T	Pharmaceutical Biochemistry, Human Nutrition and dietetics
	Biotechnology	MSBTGE101T	Clinical Research
	Botany	MSBOGE101T	Biodiversity and Conservation
		MSBOGE102T	Pharmacognosy
	Chemistry	MSCHGE101T	Laboratory Safety
	Data Science	MSDSGE101T	Discrete Mathematics
	Environmental Science	MSEVGE101T	Research Methodology
	Mathematics	MSMTGE101T	Foundations of Mathematics
	Microbiology	MSMBGE101T	Intellectual Property Rights
	Physics	MSPHGE101T	Scientific Programming Languages
	Zoology	MSZOGGE101T	Biodiversity and Conservation



Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December-2023


PROGRAMME: M.Sc.

SEMESTER: I (ATKT & Backlog)

Time: 02.30 pm – 04.00 pm

TIME-TABLE

Date	Department	Course Code	Paper
Thursday 21/12/2023	Biochemistry	MSBCAE101T	Biostatistics
	Biotechnology	MSBTAE101T	Mathematical modelling of Bioprocesses
	Botany	MSBOAE101T	Presentation Skills
	Chemistry	MSCHAE101T	Personality Development & Presentation Skills
	Data Science	MSDSAE101T	Mathematical Methods
	Environmental Science	MSEVAE101T	Presentation Skills
	Mathematics	MSMTAE101T	Probability Theory
	Microbiology	MSMBAE101T	Software tools for Research
	Physics	MSPHAE101T	Digital Electronics
	Zoology	MSZOAE101T	IPR and Patent



Director, BoEE
Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 02.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Saturday 09/12/2023	Biochemistry	MSBCCC301T	Metabolism-I
	Biotechnology	MSBTCC301T	Medical Microbiology
	Botany	MSBOCC301T	Instrumentation and Techniques- I
	Environmental Science	MSEVCC301T	Advanced Pollution Control Technologies
	Physical Chemistry	MSCHCC301T	Atomic and Molecular: Structure and Spectroscopy
	Inorganic Chemistry	MSCHCC303T	Chemistry of inorganic solids
	Organic Chemistry	MSCHCCC305T	Synthetic organic chemistry-I
	Analytical Chemistry	MSCHCC307T	Quality in Analytical chemistry-I
	Physics	MSPHCC301T	Statistical Mechanics
	Mathematics	MSMTCC301T	Rings and Modules
	Microbiology	MSMBCC301T	Food Microbiology
	Zoology	MSZOCC301T	Molecular Biology
	Data Science	MSDSCC301T	Deep Learning



Director, BoEE
Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 02.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Monday 11/12/2023	Biochemistry	MSBCCC302T	Immunology I
	Biotechnology	MSBTCC302T	Bioinformatics
	Botany	MSBOCC302T	Cell and Molecular Biology I
	Environmental Science	MSEVCC302T	Biostatistics
	Physical Chemistry	MSCHCC302T	Solid State and Nano chemistry
	Inorganic Chemistry	MSCHCC304T	Coordination and bioinorganic chemistry
	Organic Chemistry	MSCHCC306T	Theoretical Organic Chemistry
	Analytical Chemistry	MSCHCC308T	Advanced Instrumental Techniques I
	Physics	MSPHCC302T	Condensed Matter Physics
	Mathematics	MSMTCC302T	Functional Analysis
	Microbiology	MSMBCC302T	Advances in Biotechnology
	Zoology	MSZOCC302T	Genetic Engineering techniques and Bioinformatics
	Data Science	MSDSCC302T	Big Data Analytics


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 02.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Wednesday 13/12/2023	Biochemistry	MSBCDE301T	Genetic Engineering
	Biotechnology	MSBTDSE301T	PTC and ATC
	Botany	MSBODE301T	Plant Physiology, Biochemistry and Phytochemistry-I- Plant Biochemistry-I
		MSBODE303T	Molecular Biology, Cytogenetics and Biotechnology-I (Cancer and development)
		MSBODE305T	Ecology, Environmental Botany and Biotechnology-I (Ecological Concepts and Climate Change)
	Environmental Science	MSEVIE301T	Environmental Toxicology
	Physical Chemistry	MSCHDE301T	Advanced Instrumental Techniques I
	Inorganic Chemistry	MSCHDE303T	Spectral methods in inorganic chemistry
	Organic Chemistry	MSCHDE305T	Stereochemistry of organic compounds
	Analytical Chemistry	MSCHDE307T	Environmental and certain Industrially important materials
	Physics	MSPHDE301T	Electronic Communication
		MSPHDE303T	Thin Film Physics
		MSPHDE305T	Semiconductor Devices
		MSPHDE307T	Fundamentals of Materials Science
	Mathematics	MSMTDE305T	Data Structure and Algorithm using Python
		MSMTDE303T	Numerical Analysis Using Python
	Microbiology	MSMBDE301T	Research Methodology
	Zoology	MSZODE301T	Physical and Chemical Oceanography
MSZODE303T		Comparative Invertebrate endocrinology	
Data Science	MSDSDE301T	Time Series & Forecasting	

Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 02.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Friday 15/12/2023	Biochemistry	MSBCDE302T	Clinical Biochemistry
	Biotechnology	MSBTDE302T	Applied Biotechnology and Genetic Engineering
	Botany	MSBODE302T	Plant Physiology, Biochemistry and Phytochemistry-II- Phytochemistry
		MSBODE304T	Molecular Biology, Cytogenetics and Biotechnology-II (rDNA Technology)
		MSBODE306T	Ecology, Environmental Botany and Biotechnology-II (Ecological Concepts and Climate Change)
	Environmental Science	MSEVIE302T	Industrial Hygiene and Chemical Safety
	Physical Chemistry	MSCHDE302T	Polymer Chemistry
	Inorganic Chemistry	MSCHDE304T	Inorganic materials
	Organic Chemistry	MSCHDE306T	Heterocyclic Chemistry
	Analytical Chemistry	MSCHDE308T	Pharmaceutical and Organic Analysis
	Physics	MSPHDE302T	Transmission Line and Microwave Devices
		MSPHDE304T	Semiconductor Physics
		MSPHDE306T	Thin Film: Properties and Techniques
		MSPHDE308T	Nano Science and Nanotechnology
	Mathematics	MSMTDE306T	Optimization Techniques
		MSMTDE304T	Calculus of Variation & Integral Equations
	Microbiology	MSMBDE302T	Tools and Techniques Biomolecular Analysis
	Zoology	MSZODE302T	Fish, Fishery Science & Planktology
MSZODE304T		Comparative Vertebrate Endocrinology	
Data Science	MSDSDE302T	Advanced Computational Finance	


Director, BoEE
Director, B.o.E.E.
Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 01.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Monday 18/12/2023	Biochemistry	MSBCGE301T	Entrepreneurship Development
	Biotechnology	MSBTGE301T	Environmental Studies
	Botany	MSBOGE301T	Environmental Impact Assessment
	Environmental Science	MSEVGE301T	Green building Certification Process
	Physical Chemistry	MSCHGE302T	Research Methodology
	Inorganic Chemistry	MSCHGE302T	Research Methodology
	Organic Chemistry	MSCHGE302T	Research Methodology
	Analytical Chemistry	MSCHGE302T	Research Methodology
	Mathematics	MSMTGE301T	Elementary Number Theory
	Microbiology	MSMBGE301T	Environmental Studies
	Physics	MSPHGE301T	Applications of Scientific Programming Languages
	Zoology	MSZOGGE301T	Economic Zoology
	Data Science	MSDSGE301T	Reinforcement Learning


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.

Date: 25/10/2023

EXAMINATION: December 2023

PROGRAMME: M.Sc.

SEMESTER: III (Regular & ATKT)

Time: 11.30 am – 01.00 pm

TIME TABLE

Days & Dates	Department	Course Code	Paper
Wednesday 20/12/2023	Biochemistry	MSBCAE301T	Research Methodology
	Biotechnology	MSBTAE301T	Software tools for research
	Botany	MSBOAE301T	Science Communication
	Environmental Science	MSEVAE301T	Scientific Communication
	Physical Chemistry	MSCHAE301T	Pharmaceutical Development and Management
	Inorganic Chemistry	MSCHAE301T	Pharmaceutical Development and Management
	Organic Chemistry	MSCHAE301T	Pharmaceutical Development and Management
	Analytical Chemistry	MSCHAE301T	Pharmaceutical Development and Management
	Mathematics	MSMTAE301T	Computer Algebra System
	Microbiology	MSMBAE301	Biostatistics
	Physics	MSPHAE301T	Python Programming
	Zoology	MSZOAE301T	Presentation Skills
	Data Science	MSDSAE301T	Data Mining


Director, BoEE

Director, B.o.E.E.

Dr. Homi Bhabha State University, Mumbai
Institute of Science
15, Madame Cama Road,
Mumbai - 32.