

# University of Mumbai



## 1S01122

Winter 2019

**EXAMINATION TIME TABLE**  
PROGRAMME - M.Sc. AND M.Sc. RESEARCH (THEORY) (Choice Based)  
SEMESTER - II

Days and Dates	Time	Paper Code	Paper
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92101	Physics : Paper I – Advanced Electronics
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92205	Physics : Paper I – Advanced Electronics (old)
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92102	Chemistry : Paper I - Physical Chemistry
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92206	Chemistry : Paper I - Physical Chemistry (old)
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92103	Biochemistry : Paper I – Advanced Bio-Organic Chemistry
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92207	Biochemistry : Paper I – Advanced Bio-Organic Chemistry (old)
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92104	Botany : Paper I – Plant Diversity : Cryptogams-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92105	Zoology : Paper I – Nonchordates, Chordates and their phylogeny-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92106	Geology : Remote Sensing & Image Interpretation.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92107	Microbiology : Paper I – Cell Biology & Virology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92108	Life Sciences : (Aquaculture Technology) :Paper I – Microbiology, Immunology& Plant Physiology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92109	Life Sciences : Paper I – Microbiology, Immunology& Plant Physiology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92110	Bio-physics : Paper I – Membrane Biophysics & Ion Channels.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92111	Biotechnology: Paper I – Metabolism.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92112	Environmental Science : Paper I – Environmental Monitoring & Assessment.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92113	Applied & Industrial Chemistry: Paper I – Chemical Engineering.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92114	Computer Science: Paper I – Advanced Operating Systems.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92115	Information Technology : Paper I – Mobile Computing.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92116	Herbal Science:Paper I– Plant Sciences-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92117	Nano-Science and Nano-Technology : Paper I -Solid State Physics
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92118	Bioanalytical Sciences : Indian Pharmaceutical Industry, Phytochemistry & Extraction Techniques.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92119	Bioinformatics: Paper I - Fundamentals of Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92120	Nutraceuticals Paper-I Food Chemistry and Biochemistry-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92121	Biodiversity & Wildlife Conservation & Management : Animal Dispersions & Animal Populations.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	92122	Mathematics. : Algebra II
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	92208	Mathematics. : Algebra II (old)
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	92123	Geography :Oceanography & Hydology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	92124	Statistics : Probability Theory and Sampling - II
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	92219	Statistics : Distribution Theory (R-2019)

Days and Dates	Time	Paper Code	Paper
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92125	Physics :Paper II – Electrodynamics
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92209	Physics :Paper II – Electrodynamics (old)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92126	Chemistry : Paper II - Inorganic Chemistry
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92210	Chemistry : Paper II - Inorganic Chemistry (old)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92127	Biochemistry : Paper II – Advanced Instrumentation and Analytical Techniques
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92211	Biochemistry : Paper II – Advanced Instrumentation and Analytical Techniques (Old)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92128	Botany : Paper II – Plant Diversity : Spermatophyta II (Anatomy,Developmental Botany & Palynology.)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92129	Zoology : Paper II – Biochemistry and Metabolism - II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92130	Geology : Paper II –Geo-Chemistry-II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92131	Geology : Igneous Petrology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92132	Microbiology : Paper II – Microbial Genetics.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92133	Life Sciences :(Aquaculture Technology) Paper II – Molecular Biology & Cell Signaling.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92134	Life Sciences : Paper II – Molecular Biology & Cell Signaling.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92136	Bio-physics: Paper II – Molecular Biophysics
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92137	Biotechnology : Immunology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92138	Environmental Science : Paper II – Pollution Control and Technology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92139	Computer Science : Paper II – Design & Implementation of Modern Compilers.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92140	Information Technology : Paper II – Advanced Computer Networks.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92141	Herbal Science : Paper II – Genomics, Proteomics Bioinformatics and Biostatistics.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92142	Nano-Science and Nano-Technology : Paper II – Fundamentals of Nanomaterials
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92143	Bioanalytical Sciences :IPR & Patenting, Stability Studies & Packaging.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92144	Bioinformatics: Sequence Analysis & Bioinformatics
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92145	Life Science Aquaculture Technology: Molecular Biology & Cell Signaling
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92146	Nutraceuticals Paper-II Human Nutrition and Physiology Clinical Dietetics-II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92147	Biodiversity & Wildlife Conservation & Management : Principles of Conservation Biology.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	92148	Mathematics. : Topology
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	92212	Mathematics. : Topology (old)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	92149	Geography : Geoinformatics.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	92150	Statistics : Linear Models –II.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	92220	Statistics : Regression Analysis (R-2019)

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Days and Dates	Time	Paper Code	Paper
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92151	Physics : Paper III – Quantum Mechanics II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92213	Physics : Paper III – Quantum Mechanics II (old)
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92152	Chemistry : Paper III – Organic Chemistry
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92214	Chemistry : Paper III – Organic Chemistry (old)
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92153	Biochemistry : Paper III – Industrial Bio-Chemistry & Bioinformatics II
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92215	Biochemistry : Paper III – Industrial Bio-Chemistry & Bioinformatics II (Old)
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92154	Botany : Paper III – Plant Physiology and Environmental Botany.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92155	Zoology :Paper III –Genetics, Evolution and Developmental Biology- II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92156	Geology : Metamorphic Petrology.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92157	Microbiology : Paper III – Microbial Biochemistry .
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92158	Life Sciences : Paper III – Animal Science.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92159	Life Sciences (Aquaculture Technology) : - Animal Science
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92160	Bio-physics: Biochemistry.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92161	Biotechnology : Bioprocess Technology.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92162	Environmental Science : Paper III – Green Technology.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92163	Applied & Industrial Chemistry : Paper III – Instrumental Methods of Analysis.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92164	Computer Science : Paper III – Elective I- Cloud Computing (Concepts & Design of Web Services).
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92165	Computer Science : Paper III – Elective I- Cyber & Information Security (Network Security).
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92166	Information Technology :Paper III – Cloud Computing & Ubiquitous.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92167	Herbal Science : Paper III – Cultivation Practices II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92168	Nano-Science and Nano-Technology : Paper III –Interaction of Matters with Radiations
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92169	Bioanalytical Sciences : Chromatography & Spectroscopy -I.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92170	Bioinformatics: Paper III- Immunology & Bioinformatics.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92171	Nutraceuticals Paper-III Nutraceuticals and Functional Foods-II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92172	Biodiversity & Wildlife Conservation & Management : Planning Implementing Conservation Programmes.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	92173	Mathematics. : Complex Analysis II.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	92174	Mathematics. : Analysis II
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	92175	Geography :Socio-Cultural & Political Geography.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	92176	Statistics : Distribution Theory and Estimation -II.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	92221	Statistics : Plannig & Analysis of Experiments (R-2019)
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92177	Physics : Paper IV – Solid State Device
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92216	Physics : Paper IV – Solid State Device(old)
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92178	Chemistry : Paper IV – Analytical Chemistry
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92217	Chemistry : Paper IV – Analytical Chemistry (old)
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92179	Biochemistry : Paper IV – Research Methodology Bio-statistics & Bioinformatics
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92180	Biochemistry : Paper IV – Research Methodology Bio-statistics & Soft Skills Development II
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92181	Botany : Paper IV – Medicinal Botany and Dietetics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92182	Zoology : Paper IV – Tools and Techniques in Biology - II.

Days and Dates	Time	Paper Code	Paper
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92183	Geology : Sedimentary Petrology.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92184	Microbiology : Paper IV – Medical Microbiology Immunology.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92185	Life Sciences (Aquaculture Technology) :Bioinformatics, IPR & Bioetics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92186	Life Sciences : Bioinformatics, IPR & Bioetics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92187	Bio-physics : Paper IV – Reombinant DNA Technology & Protien Engineering.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92188	Biotechnology : IPR & Biosafeti.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92189	Environmental Science : Paper IV – Environmental Policies and Regulations.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92190	Applied & Industrial Chemistry : Paper IV – Safety, Health & Environment.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92191	Computer Science : Paper IV – Elective II- Business Intelligence & Big Data Analytics(Business Intelligence).
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92192	Computer Science : Paper IV – Elective II- Machine Intellingence (Fundamentals of Machine Intellingence).
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92193	Information Technology : Paper IV – Advanced Database Management Systems.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92194	Herbal Science : Paper IV – Phyto-Constituents - II .
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92195	Nano-Science and Nano-Technology : Paper IV : Expermental Methods
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92196	Bioanalytical Sciences : New Drug Development, Immunoassays, Pharmacokinetics, Laboratory Safety Measures.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92197	Bioinformatics: Paper IV- Programming Language & Databases.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92198	Nutraceuticals Paper-IV Biostatistics, Instrumentation and Biological Evaluation-II .
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92199	Biodirversity & Wildlife Conservation & Management :Advanced Techniques in Field Studies.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	92200	Mathematics. : Differential Equations
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	92218	Mathematics. : Differential Equations(Old)
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	92201	Geography : Urban Geography.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	92222	Statistics :Multivariate Analysis (R-2019)
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	92202	Statistics : Planning and Anlysis of Experiments-II.
Tuesday, January 14, 2020	02:30 p.m. to 05:30 p.m.	92203	Mathematics. : Elementary Probability Theory.
Tuesday, January 14, 2020	02:30 p.m. to 05:30 p.m.	92204	Mathematics. : Probability Theory

Important Note: •The candidates appearing for the examination should report 20 minutes before the start of examinatic

- Mobile phones and other elctronic gazets are prohibited in the examination hall.
- Change if any, in the time table shall be communicated on the university web site.

Mumbai - 400 098  
22<sup>nd</sup> October, 2019.

Sd/-  
Dr.Vinod P. Patil  
Director  
Board of Examinations & Evaluation

ST-122