

# University of Mumbai



## 1S01112

Winter 2019

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

Days and Dates	Time	Paper Code	Paper
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67201	Physics : Paper I – Advanced Electronics.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67202	Chemistry : Paper I - Physical Chemistry.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67203	Biochemistry : Paper I – Advanced Bio-Organic Chemistry.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67204	Botany : Paper I – Plant Diversity : Cryptogams-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67205	Zoology : Paper I – Nonchordates, Chordates and their phylogeny-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67206	Geology : Paper I – Crystal Optics.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67207	Microbiology : Paper I – Cell Biology & Virology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67208	Life Sciences : Paper I – Cell Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67209	Life Sciences (Marine Biotechnology): Paper I – Cell Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67210	Bio-physics : Paper I – Molecular Biophysics.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67211	Biotechnology: Paper I – Metabolomics.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67212	Environmental Science : Paper I – Environmental Monitoring & Assessment
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67213	Applied & Industrial Chemistry: Paper I – Chemical Engineering.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67214	Computer Science: Paper I – Principles of Compiler Design II
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67215	Computer Science: Paper I – Advanced Operating Systems.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67216	Information Technology : Paper I – Mobile Computing.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67217	Herbal Science: Paper I– Plant Sciences-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67218	Nano-Science and Nano-Technology : Paper I - Solid State Physics
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67219	Bioanalytical Sciences : Indian Pharmaceutical Industry, Phytochemistry & Extraction Techniques
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67220	Bioinformatics: Paper I - Fundamentals of Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67221	Nutraceuticals Paper-I Food Chemistry and Biochemistry-II.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67222	Biodiversity & Wildlife Conservation & Management : Animal Dispersions & Animal Populations.
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67223	Mathematics. : Algebra II .
Thursday, January 02, 2020	02:30 p.m. to 05:00 p.m.	67224	Geography :Advances in Geomorphology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	67225	Statistics : Probability Theory and Sampling - II .

Days and Dates	Time	Paper Code	Paper
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67226	Physics :Paper II – Electrodynamics.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67227	Chemistry : Paper II - Inorganic Chemistry.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67228	Biochemistry : Paper II – Advanced Instrumentation and Analytical Techniques.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67229	Botany : Paper II – Plant Diversity : Spermatophyta II (Anatomy,Developmental Botany & Palynology.)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67230	Zoology : Paper II – Biochemistry and Metabolism - II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67231	Geology : Paper II –Geo-Chemistry-II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67232	Microbiology : Paper II – Microbial Genetics.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67233	Life Sciences : Paper II – Molecular Biology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67234	Bio-physics: Paper II –Bio-Chemistry.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67235	Biotechnology : Paper II – Clinical Immunology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67236	Environmental Science : Paper II – Pollution Control and Technology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67237	Applied & Industrial Chemistry : Paper II – Advanced Chemistry.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67238	Computer Science : Paper II – Digital Signal Processing II (Old)
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67239	Computer Science : Paper II – Design & Implementation of Modern Compilers
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67240	Information Technology : Paper II – Advanced Computer Networks.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67241	Herbal Science : Paper II – Genomics, Proteomics Bioinformatics and Biostatistics.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67242	Nano-Science and Nano-Technology : Paper II – Fundamentals of Nanomaterials
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67243	Bioanalytical Sciences :IPR & Patenting, Stability Studies & Packaging.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67244	Bioinformatics: Paper II - Sequence Analysis & Taxonomy.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67245	Nutraceuticals Paper-II Human Nutrition and Physiology Clinical Dietetics-II.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67246	Biodiversity & Wildlife Conservation & Management : Principles of Conservation Biology.
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67247	Mathematics. : Topology .
Monday, January 06, 2020	02:30 p.m. to 05:00 p.m.	67248	Geography : Bio-Geography.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	67249	Statistics : Linear Models –II.

Days and Dates	Time	Paper Code	Paper
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67250	Physics : Paper III – Quantum Mechanics II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67251	Chemistry : Paper III – Organic Chemistry.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67252	Biochemistry : Paper III – Industrial Bio-Chemistry .
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67253	Biochemistry : Paper III – Industrial Bio-Chemistry & Bioinformatics II
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67254	Botany : Paper III – Plant Physiology and Environmental Botany.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67255	Zoology :Paper III –Genetics, Evolution and Developmental Biology- II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67256	Geology : Paper III – Metamorphic Petrology.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67257	Microbiology : Paper III – Microbial Biochemistry .
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67258	Life Sciences : Paper III – Genetics.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67259	Life Sciences (Marine Biotechnology) : Paper VII- Coastal Aquaculture.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67260	Bio-physics : Paper III – Molecular Biology & Protein Engg.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67261	Biotechnology : Paper III – Genomics, and Molecular Biology. (Old)
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67262	Environmental Science : Paper III – Green Technology.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67263	Applied & Industrial Chemistry : Paper III – Instrumental Methods of Analysis.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67264	Computer Science : Paper III – Computer Simulation & Modeling (old)
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67265	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.	67266	Computer Science : Paper III – Elective I- Cyber & Information Security (Network Security).
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67267	Information Technology :Paper III – Cloud Computing & Ubiquitous.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67268	Herbal Science : Paper III – Cultivation Practices II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67269	Bioanalytical Sciences : Chromatography & Spectroscopy -I.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67270	Bioinformatics: Paper III- Immunology & Bioinformatics.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67271	Nutraceuticals Paper-III Nutraceuticals and Functional Foods-II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67272	Biodiversity & Wildlife Conservation & Management : Planning Implementing Conservation Programmes.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67273	Mathematics. : Complex Analysis II.
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67274	Mathematics. : Analysis II
Wednesday, January 08, 2020	02:30 p.m. to 05:00 p.m.	67275	Geography :Contemporary Human Geography.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	67276	Statistics : Distribution Theory and Estimation –II.

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Days and Dates	Time	Paper Code	Paper
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67277	Physics : Paper IV – Solid State Physics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67278	Chemistry : Paper IV – Analytical Chemistry.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67279	Biochemistry : Paper IV – Research Methodology Bio-statistics & Bio informatics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67280	Botany : Paper IV – Medicinal Botany and Dietetics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67281	Zoology : Paper IV – Tools and Techniques in Biology - II.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67282	Geology : Paper IV - Sedimentary Petrology.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67283	Microbiology : Paper IV – Medical Microbiology Immunology.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67284	Life Sciences : Paper IV – Developmental Biology & Physiology & Neurology.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67285	Life Sciences (Marine Biotechnology) : Paper VIII - Marine Biotechnology
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67286	Bio-physics : Paper IV – Membrane Biophysics.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67287	Bio-physics : Paper IV – Reombinant DNA Technology & Protien Engineering.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67288	Biotechnology : Paper IV – Advanced Analytical Techniques.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67289	Environmental Science : Paper IV – Environmental Policies and Regulations.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67290	Applied & Industrial Chemistry : Paper IV – Safety, Health & Environment.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67291	Computer Science : Paper IV – Advanced Data base Systems
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67292	Computer Science : Paper IV – Elective II- Business Intelligence & Big Data Analytics(Business Intellingence).
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67293	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.	67294	Information Technology : Paper IV – Advanced Database Management Systems.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67295	Herbal Science : Paper IV – Phyto-Constituents - II .
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67296	Bioanalytical Sciences : New Drug Development, Immunoassays, Pharmacokinetics, Laboratory Safety Measures.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67297	Bioinformatics: Paper IV- Programming Language & Databases.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67298	Nutraceuticals Paper-IV Biostatistics, Instrumentation and Biological Evaluation-II .
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67299	Biodirversity & Wildlife Conservation & Management :Advanced Techniques in Field Studies.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67300	Mathematics. : Differential Equations.
Friday, January 10, 2020	02:30 p.m. to 05:00 p.m.	67301	Geography : Geography of World Economy.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	67302	Statistics : Planning and Anlysis of Experiments-II.
Tuesday, January 14, 2020	02:30 p.m. to 05:00 p.m.	67303	Mathematics. : Elementary Probability Theory.

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

- 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  
23<sup>rd</sup> October, 2019.

Dr.Vinod P. Patil  
Director  
Board of Examinations & Evaluation

ST-121