

# University of Mumbai



## 1S01211

Winter 2019

### EXAMINATION TIME TABLE PROGRAMME - M.Sc. (PART-I)

Days and Dates	Time	Paper Code	Paper
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71401	Physics : Paper I – Mathematical Methods and Classical Mechanics.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71402	Chemistry : Paper I – Physical Chemistry.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71403	Biochemistry : Paper I – Advanced Bio-Organic Chemistry .
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71404	Botany : Paper I – Plant Diversity : Cryptogams.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71405	Zoology : Paper I – Nonchordates and Chordates.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71406	Geology : Paper I – Crystallography, Mineralogy, Optics & Ore Microscopy.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71407	Microbiology : Paper I – General Microbiology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71408	Bioanalytical Sciences : Paper I – Different Medicinal Systems, Pharmacognosy & Extraction Techniques.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71409	Life Sciences : Paper I – Biodiversity Evolution and Environmental Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71410	Biophysics : Paper I – Cell Biophysics.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71411	Biotechnology: Paper I – Biochemistry .
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71412	Environmental Science : Paper I – Ecology and Ecosystem.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71413	Applied & Industrial Chemistry : Paper I – Chemical Engineering.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71414	Computer Science: Paper I – Principles of Compiler Design.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71415	Information Technology : Paper I – Computer Simulation and Modeling, Programming with Components.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71416	Herbal Science : Paper I – Plant Sciences.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71417	Nano-Science and Nano-Technology : Paper I – Nano-Physics – an introduction.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71418	Bioinformatics: Paper I - Fundamentals of Biology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71421	Statistics : Paper I – Probability Theory and Sampling.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71422	Geography : Paper I – Fundamentals of Geomorphology.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71419	Mathematics. : Paper I – Algebra – I.
Thursday, January 02, 2020	02:30 p.m. to 05:30 p.m.	71420	Mathematics. : Algebra (R-2016)(Only for IDOL Students)
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71423	Physics : Paper II – Quantum Mechanics I and Nuclear Physics.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71424	Chemistry : Paper II – Inorganic Chemistry.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71425	Biochemistry : Paper II – Advanced Bio-Physical and Analytical Techniques in Biochemistry .
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71426	Botany : Paper II – Plant Diversity : Spermatophyta, Anatomy, Embryology, Palynology and Ethnobotany.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71427	Zoology : Paper II – Biochemistry and Metabolism .

<b>1S01211</b>
----------------

Days and Dates	Time	Paper Code	Paper
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71428	Geology : Paper II – Palaeontology, Stratigraphy & Sedimentary Petrology.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71429	Microbiology : Paper II – Microbial Genetics.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71430	Bioanalytical Sciences : Paper II – Patents, Drug Act and Quality Management.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71431	Life Sciences : Paper II – Cell and Molecular Biology.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71432	Biophysics : Paper II – Biochemistry and Molecular Biology.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71433	Biotechnology : Paper II – Immunology.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71434	Environmental Science : Paper II – Environmental and Natural Resources.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71435	Applied & Industrial Chemistry : Paper II – Advanced Chemistry.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71436	Computer Science : Paper II – Digital Signal Processing.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71437	Information Technology : Paper II – Mobile Computing, Advanced Computer Networks..
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71438	Herbal Science : Paper II – Modern Plant Authentication Techniques.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71439	Nano-Science and Nano-Technology : Paper II – Nano-Chemistry – an introduction.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71440	Bioinformatics: Paper II - Proteomics & Genomics.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71443	Statistics : Paper II – Lineal Models.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71444	Geography : Paper II – Geography of Climato-biotic Interaction.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71441	Mathematics. : Paper II – Analysis – I.
Monday, January 06, 2020	02:30 p.m. to 05:30 p.m.	71442	Mathematics. : Analysis & Topology (R-2016)(Only for IDOL Students)
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71445	Physics : Paper III – Solid State Physics and Quantum Mechanics II.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71446	Chemistry : Paper III – Organic Chemistry.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71447	Biochemistry : Paper III – Metabolism in Health and Physiology .
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71448	Botany : Paper III – Physiology and Environmental Botny.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71449	Zoology : Paper III – Genetics, Evolution and Developmental Biology.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71450	Geology : Paper III – Geophysical Methods of Prospecting, Mineral Economics & Economic Mineral Reso of India (Excl. Coal & Petroleum).
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71451	Microbiology : Paper III – Microbial Biochemistry.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71452	Bioanalytical Sciences : Paper III – Chromatography and Spectroscopy.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71453	Life Sciences : Paper III – Measurements and Techniques in Biology.

<b>IS01211</b>
----------------

Days and Dates	Time	Paper Code	Paper
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71454	Biophysics : Paper III – Chemical Thermodynamics Bioenergetics, Bioelectrochemistry and Biomaterials.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71455	Biotechnology : Paper III – Genomes, Transcriptomes and Proteomes.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71456	Environmental Science : Paper III – Environmental Pollution.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71457	Applied & Industrial Chemistry : Paper III – Instrumental Methods of Analysis.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71458	Computer Science : Paper III – Mobile Computing and Computer Simulation and Modeling.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71459	Information Technology : Paper III – Image Processing, Speech Recognition.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71460	Herbal Science : Paper III – Cultivation Practices.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71461	Nano-Science and Nano-Technology : Paper III – Nano-Biomaterials – an introduction.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71462	Bioinformatics: Paper III- Biostatistics.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71465	Statistics : Paper III – Distributions Theory and Estimation
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71466	Geography : Paper III – Geography of Socio-Cultural and Political Processes.
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71463	Mathematics. : Paper III – Topology .
Wednesday, January 08, 2020	02:30 p.m. to 05:30 p.m.	71464	Mathematics. : Discrete Mathematics & Differential Equations (R-2016)(Only for IDOL Students)
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71467	Physics : Paper IV – Electronic & Solid State Electronics.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71468	Chemistry : Paper IV – Analytical Chemistry.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71469	Biochemistry : Paper IV – Biochemical Processes in Industry .
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71470	Botany : Paper IV – Cytogenetics and Medicinal Botany.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71471	Zoology : Paper IV – Tools and Techniques in Biology.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71472	Geology : Paper IV – Principles & Techniques of Geochemistry.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71473	Microbiology : Paper IV – Applied Microbiology.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71474	Bioanalytical Sciences : Paper IV – Proteomics, Bio-Informatics and Pharmacokinetics.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71475	Life Sciences : Paper IV – Biochemistry, Physiology and Development Biology.

			1S01211
Days and Dates	Time	Paper Code	Paper
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71476	Biophysics : Paper IV – Biomathematics Biostatistics and Quantum Chemistry.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71477	Biotechnology : Paper IV – Biophysics and Advanced Analytical Techniques .
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71478	Environmental Science : Paper IV – Analytical and Instrumental Techniques for Environmental Monitoring.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71479	Applied & Industrial Chemistry : Paper IV – Safety, Health & Environment.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71480	Computer Science : Paper IV – Data Warehousing and Mining and Advanced Database Systems.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71481	Information Technology : Paper IV – Data Warehousing and Mining and Advanced Database Systems.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71482	Herbal Science : Paper IV – Phyto-Constituents.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71483	Nano-Science and Nano-Technology : Paper IV .
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71484	Bioinformatics: Paper IV- Programming Language & Databases.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71487	Statistics : Paper IV – Planning and Analysis of Experiments.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71488	Geography : Paper IV– Spatial Organisation of Economic Activities.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71485	Mathematics. : Paper IV– Complex Analysis.
Friday, January 10, 2020	02:30 p.m. to 05:30 p.m.	71486	Mathematics. : Complex Analysis (R- 2016)(Only for IDOL Students)
Tuesday, January 14, 2020	02:30 p.m. to 05:30 p.m.	71489	Mathematics. : Paper V– Combinatorics
Tuesday, January 14, 2020	02:30 p.m. to 05:30 p.m.	71490	Mathematics. : Set Theory, Logic & Elementary Probability Theory (R-2016)(Only for IDOL Students)

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

- Mobile phones and other electronic gadgets 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.

ST-123

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