



**FURTHER REVISED EXAMINATION TIME TABLE  
PROGRAMME - M.Sc. (PART-II)**

Days and Dates	Time	Paper
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper V – Classical Electrodynamics & Statistical Mechanics.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Physical Chemistry – Paper I – Atomic Structure Chemical Bonding, Symmetry and Group Theory Spectroscopy.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Inorganic Chemistry – Paper I – Solid State Chemistry.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Organic Chemistry – Paper I – Physical Organic Chemistry and Photochemistry.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Analytical Chemistry – Paper I – Quality in Analytical Chemistry.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Biochemistry : Paper V – Biochemical Genetics & Genomics
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper V – Techniques & Instrumentation
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper V – Basics of Industrial and Environmental Biotechnology
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Microbiology : Paper V – Immunology and Microbiology in Health Science
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper I – Artificial Intelligence and Image Processing.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biological Macromolecules – Paper I – Biophysics & Bioinformatics.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biotechnology – Paper I – Perspective of Biotechnology.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences: Environmental Biotechnology - Paper I - Environmental Biology and Environmental Biotechnology
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Biotechnology : Paper V - Computational Biotechnology.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Environmental Science : Paper V – Pollution Control and Waster Management.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Biophysics : Paper V – Biomolecular Spectroscopy and Biocrystallography.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Bioanalytical Sciences : Paper V – Basic Microbiology, Genomics, CE and Toxicology.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper I – Software Testing and Information Security.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Bioinformatics: Paper V- Molecular Modeling and Drug Designing
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Mathematics : Paper IV/V – Numerical Analysis. (Rev.)
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Mathematics : Paper IV – Numerical Analysis.(R-2017)
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Statistics : Paper VI – Multivariate Analysis.
Tuesday, December 19, 2017	11:00 a.m. to 02:00 p.m.	Geography : Paper VII – Spatial Dimensions of Development.

Days and Dates	Time	Paper
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VI – Atomic & Molecular Physics, Laser & Plasma Physics.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Physical Chemistry – Paper II – Materials Science Statistical Thermodynamics, Non-equilibrium Thermodynamics and Photo-Chemistry.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Inorganic Chemistry – Paper II – Co-ordination Chemistry.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Organic Chemistry – Paper II – Synthetic Organic Chemistry.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Analytical Chemistry – Paper II – Advanced Instrumental Techniques.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Biochemistry : Paper VI – Advanced Immunology
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VI – Cell Molecular Biology.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VI – Genetic Engineering Techniques and Its Applications.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Microbiology : Paper VI – Advances in Biotechnology
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper II – Distributed Computing and Embedded System.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biological Macromolecules – Paper II – Molecular Cell Biology.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biotechnology – Paper II – Enzymology & Industrial Biotechnology.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences: Environmental Biotechnology - Paper II - Environmental Biochemistry and Analytical Techniques Environmental Pollution Assessment and Monitoring and Bioremediation
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Biotechnology : Paper VI - Cell Biotechnology.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Environmental Science : Paper VI – Environmental Bio-technology and Health.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Biophysics : Paper VI – Biophysical Methods and Instrumentation.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Bioanalytical Sciences – Paper VI – MS Application, Metabolite Studies, Thermal Analysis and Tracer Techniques
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Information Technology – Paper II – Artificial Intelligence and Robotics.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Bioinformatics: Paper VI- Sequence Analysis and Taxonomy
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Mathematics. : Paper I – Algebra – II.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Mathematics. : Paper IV – Algebra & Field Theory. (R-2017)
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Statistics : Paper VII – Testing of Hypothesis.
Thursday, December 21, 2017	11:00 a.m. to 02:00 p.m.	Geography : Paper VIII – Geography of South Asia.

Days and Dates	Time	Paper
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Optional Papers – Nuclear Physics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Solid State Physics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Solid State Electronics – I.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Electronics – Microprocessors , Microcomputers & Embedded Applications.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Electronics – Electronics Communications.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Laser Plasma Physics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Space Physics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VII – Material Science.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Physical Chemistry – Paper III – Advanced Instrumental Techniques.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Inorganic Chemistry – Paper III – Instrumental Methods & Analysis.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Organic Chemistry – Paper III – Heterocyclic Chemistry.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Analytical Chemistry – Paper III – Environmental and Certain Industrially Important Materials.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Biochemistry : Paper VII – Clinical Biochemistry & Nutrition
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VII – Micology and Plant Pathology.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VII – Angiosperms and Phytochemistry.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VII – Plant Physiology and Biochemistry.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VII – Environmental Botany.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VII – Molecular Biology, Cytogenetics and Biotechnology.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Oceanography, Fishery, Science and Aquaculture – General, Physical, Chemical and Biological Oceanography.
		OR.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Animal Physiology – Comprehensive Physiology.
		OR.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Endocrinology – Vertebrate Endocrinology and Reproductive Biology.
		OR.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Entomology – General Entomology.
		OR.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Environmental Sciences – Concepts in Environmental Science.
		OR.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VII – Toxicology – General Principles of Toxicology.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Geology : Paper III – Marine Geology, Structural Analysis & Geotectonics with Reference to Indian Plate.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Microbiology : Paper VII – Quality Management Systems in Microbiological Practices
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper III – Elective I – Parallel Processing and Advanced Computer Networks.
		OR
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper III – System Security and Internet Security.
		OR
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper III – Enterprise Networking and Satellite Communications.
		OR
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Computer Sciences : Paper III – Fuzzy Logic, Neural Network and Multimedia Systems and Convergence of Technologies.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biological Macromolecules – Paper III – Metabolism & its Regulation.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biotechnology – Paper III – Molecular Biotechnology.

Days and Dates	Time	Paper
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences: Environmental Biotechnology - Paper III - Environmental Toxicology, Environmental Microbiology and Industrial Applications.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Biotechnology : Paper VII - Manufacturing Process and Medical Diagnostics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Environmental Science : Paper VII – Industrial Hygiene Occupational Health and Safety.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Biophysics : Paper VII – Radiation and Medical Biophysics.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Bioanalytical Sciences : Paper VII – Standardization of ASU Drugs & Statistics and GMP
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper III – Elective I – Parallel Processing and Distributed Computing.
		OR
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper III – Intelligent Systems and Neural Networks and Fuzzy Systems.
		OR
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper III – Digital Signal Processing and Enterprise Networking.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Herbal Sciences : Paper VII – Herbal Formulations.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Bioinformatics: Paper- VII- Application of Bioinformatics
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Mathematics. : Paper II – Analysis – II.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Mathematics. : Paper II – Analysis – II & Fourier Analysis. (R-2017)
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Statistics: Paper VIII -Bayesian Analysis.
Wednesday, December 27, 2017	11:00 a.m. to 02:00 p.m.	Geography : Group C – Paper IX/X – Geography of Environmental Quality.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Optional Papers – II. Nuclear Physics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Solid State Physics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Solid State Electronics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Electronics – Microprocessors , Microcomputers & Embedded Applications.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Electronics – Electronic Communications.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Plasma Physics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Astronomy.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Physics : Paper VIII – Space Physics Materials Science.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Physical Chemistry : Paper IV – Polymer Chemistry, Physical Organic Chemistry Biophysical Chemistry, Green Chemistry and Applied Electrochemistry.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Inorganic Chemistry : Paper IV – Applied Chemistry.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Organic Chemistry –Paper IV – Biogenesis and Steroids, Carbohydrates/Lipids etc.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Chemistry : Analytical Chemistry – Paper IV – Pharmaceutical Biochemical and Organic Analysis.

Days and Dates	Time	Paper
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Biochemistry : Paper VIII Research Methodology and Biostatistics, Bioinformatics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VIII – Micology and Plant Pathology
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VIII – Angiosperms and Phytochemistry
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VIII – Plant Physiology and Biochemistry.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VIII – Environmental Botany.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Botany : Paper VIII – Molecular Biology, Cytogenetics and Biotechnology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VIII – Oceanography, Fishery Science & Aquaculture – Planktology, Fish, Fishery Science and Aquaculture.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VIII – Animal Physiology – Environmental and Applied Physiology.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VIII – Endocrinology – Comparative and Molecular Endocrinology.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VIII – Entomology – Applied Entomology, Ecology and Genetics.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Zoology : Paper VIII – Environmental Sciences – Pollution, Conservation and Resource Management.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Microbiology : Paper VIII – Fundamentals of Scientific Research.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper IV – Virtual Reality, Virtual Environment and Java Technology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper IV – Bio-Informatics and Intelligent Systems.
		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Computer Science : Paper IV – Optimization Techniques and Customer Relations Management.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biological Macromolecules – Paper IV – Biomolecular Structure & Function.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences : Biotechnology – Paper IV – Plant & Animal Biotechnology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Life Sciences: Environmental Biotechnology - Paper IV - Biostatistics and Modelling, IPR and Bio-Safety
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Geology : Paper IV – Coal & Petroleum Geology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Environmental Sciences : Paper VIII – Environmental Management.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Biotechnology : Paper VIII - Environmental Biotechnolog and Legislation.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Biophysics : Paper VIII – Computer Applications, Modeling and Bioinformatics.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Bioanalytical Sciences : Paper VIII –BA/BE Studies GCP and Method Validation
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper IV – Software Architecture Virtual Reality and Virtual Environment.
Friday, December 29, 2017		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper IV – Pattern Recognition & Computer Vision.
Friday, December 29, 2017		OR
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Information Technology : Paper IV – Multimedia Systems and Convergence of Technologies and Java Technology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Herbal Sciences : Paper VIII – Plant Biotechnology and Environmental Sciences.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Bioinformatics: Paper VIII- Concepts in Computing.

Days and Dates	Time	Paper
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Mathematics: Paper III- Differential Geometry.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Mathematics: Paper III- Differential Geometry & Functional Analysis. (R-2017)
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Statistics: Paper IX-Advanced Theory of Designs.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Statistics: Paper IX- Stochastic Processes.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Statistics: Paper IX- Survival Analysis.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Geography : Group A – Paper IX/X – Coastal Geomorphology.
Friday, December 29, 2017	11:00 a.m. to 02:00 p.m.	Geography : Group B – Paper IX/X – Geography of Tourism and Recreation.
Wednesday, January 03, 2018	11:00 a.m. to 02:00 p.m.	Mathematics : Paper IV/V – Functional Analysis.
Wednesday, January 03, 2018	11:00 a.m. to 02:00 p.m.	Geography : Group C – Paper IX/X – Agricultural Geography.
Thursday, January 04, 2018	11:00 a.m. to 02:00 p.m.	Geography : Group C – Paper IX/X – Geographical Information Systems.
Friday, January 05, 2018	11:00 a.m. to 02:00 p.m.	Mathematics:Paper IV/V - Graph Theory.
Friday, January 05, 2018	11:00 a.m. to 02:00 p.m.	Mathematics:Paper V - Graph Theory. (R-2017)
Friday, January 05, 2018	11:00 a.m. to 02:00 p.m.	Geography : Group B – Paper IX/X- Urban Geography.
Monday, January 08, 2018	11:00 a.m. to 02:00 p.m.	Mathematics : Paper IV/V – Finite Fields & Application.
Tuesday, January 09, 2018	11:00 a.m. to 02:00 p.m.	Geography Paper IX/X – Remote Sens- Tech in Geography Studies.

**NOTE:** The candidates appearing for the examination should report 15 minutes before the start of examination.  
Mobile phones and other electronic 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  
21<sup>st</sup> November, 2017.

(Prof. (Dr.) Arjun Ghatule)  
Offg. Director  
Board of Examinations & Evaluation

ST-63FR