

# University of Mumbai



## 1S01212

SECOND HALF of (Winter) 2018

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

| Days and Dates            | Time                     | Paper Code | Paper   |
|---------------------------|--------------------------|------------|---|
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93601      | Physics : Paper V – Classical Electrodynamics & Statistical Mechanics.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93602      | Chemistry : Physical Chemistry – Paper I – Atomic Structure Chemical Bonding, Symmetry and Group Theory Spectroscopy. |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93603      | Chemistry : Inorganic Chemistry – Paper I – Solid State Chemistry.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93604      | Chemistry : Organic Chemistry – Paper I– Physical Organic Chemistry and Photochemistry.                               |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93605      | Chemistry : Analytical Chemistry – Paper I – Quality in Analytical Chemistry.   |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93606      | Biochemistry : Paper V – Biochemical Genetics & Genomics  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93607      | Botany : Paper V – Techniques & Instrumentation   |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93608      | Zoology : Paper V – Basics of Industrial and Environmental Biotechnology  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93609      | Geology : Paper I – Igneous & Metamorphic Petrology.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93610      | Microbiology : Paper V – Immunology and Microbiology in Health Science  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93611      | Computer Science : Paper I – Artificial Intelligence and Image Processing.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93612      | Life Sciences : Biological Macromolecules – Paper I – Biophysics & Bioinformatics.                                    |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93613      | Life Sciences : Biotechnology – Paper I – Perspective of Biotechnology.   |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93614      | Life Sciences : Applied Medical Science – Paper I – Human Genetics & Immunology.                                      |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93615      | Life Sciences : Neurobiology – Paper I – Organization of the Nervous System.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93616      | Life Sciences: Environmental Biotechnology - Paper I - Environmental Biology and Environmental Biotechnology          |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93617      | Biotechnology : Paper V - Computational Biotechnology.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93618      | Environmental Science : Paper V – Pollution Control and Waster Management.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93619      | Biophysics : Paper V – Biomolecular Spectroscopy and Biocrystallography.  |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93620      | Bioanalytical Sciences : Paper V – Basic Microbiology, Genomics, CE and Toxicology.                                   |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93621      | Information Technology : Paper I – Software Testing and Information Security.   |

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|---------------------------|--------------------------|-------|---|
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93622 | Herbal Sciences : Paper V – Microbiology, Immunology, Human Body. |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93623 | Bioinformatics: Paper V- Molecular Modeling and Drug Designing    |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93624 | Mathematics : Paper IV/V – Numerical Analysis.                    |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93625 | Mathematics : Paper IV – Numerical Analysis (Rev)                 |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93626 | Statistics : Paper VI – Multivariate Analysis.                    |
| Friday, December 28, 2018 | 02:30 p.m. to 05:30 p.m. | 93627 | Geography : Paper VII – Spatial Dimensions of Development.        |

**1S01212**

| Days and Dates             | Time                     |       | Paper   |
|----------------------------|--------------------------|-------|---|
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93628 | Physics : Paper VI – Atomic & Molecular Physics, Laser & Plasma Physics.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93629 | Chemistry : Physical Chemistry – Paper II – Materials Science Statistical Thermodynamics, Non-equilibrium Thermodynamics and Photo-Chemistry.                                     |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93630 | Chemistry : Inorganic Chemistry – Paper II – Co-ordination Chemistry.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93631 | Chemistry : Organic Chemistry – Paper II – Synthetic Organic Chemistry.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93632 | Chemistry : Analytical Chemistry – Paper II – Advanced Instrumental Techniques.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93633 | Biochemistry : Paper VI – Advanced Immunology   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93634 | Botany : Paper VI – Cell Molecular Biology.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93635 | Zoology : Paper VI – Genetic Engineering Techniques and Its Applications.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93636 | Geology : Paper II – Geology of India.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93637 | Microbiology : Paper VI – Advances in Biotechnology   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93638 | Computer Science : Paper II – Distributed Computing and Embedded System.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93639 | Life Sciences : Biological Macromolecules – Paper II – Molecular Cell Biology.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93640 | Life Sciences : Biotechnology – Paper II – Enzymology & Industrial Biotechnology.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93641 | Life Sciences : Applied Medical Science – Paper II – Microbial Diseases & Disorders.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93642 | Life Sciences : Neurobiology – Paper II – Systems Approach to Neurosciences.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93643 | Life Sciences: Environmental Biotechnology - Paper II - Environmental Biochemistry and Analytical Techniques Environmental Pollution Assessment and Monitoring and Bioremediation |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93644 | Biotechnology : Paper VI - Cell Biotechnology.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93645 | Environmental Science : Paper VI – Environmental Biotechnology and Health.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93646 | Biophysics : Paper VI – Biophysical Methods and Instrumentation.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93647 | Bioanalytical Sciences – Paper VI – MS Application, Metabolite Studies, Thermal Analysis and Tracer Techniques  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93648 | Information Technology – Paper II – Artificial Intelligence and Robotics.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93649 | Herbal Sciences : Paper VI – Herbal Science – Commercial Aspect.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93650 | Bioinformatics: Paper VI- Sequence Analysis and Taxonomy  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93651 | Mathematics. : Paper I – Algebra – II.  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93652 | Mathematics. : Paper I – Algebra and Field Theory (Rev.)  |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93653 | Statistics : Paper VII – Testing of Hypothesis.   |
| Wednesday, January 2, 2019 | 02:30 p.m. to 05:30 p.m. | 93654 | Geography : Paper VIII – Geography of South Asia.   |

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| Days and Dates          | Time                     |       | Paper   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93655 | Physics : Paper VII – Optional Papers – Nuclear Physics.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93656 | Physics : Paper VII – Solid State Physics.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93657 | Physics : Paper VII – Solid State Electronics – I.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93658 | Physics : Paper VII – Electronics – Microprocessors , Microcomputers & Embedded Applications.                                   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93659 | Physics : Paper VII – Electronics – Electronics Communications.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93660 | Physics : Paper VII – Chemical Physics.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93661 | Physics : Paper VII – Laser Plasma Physics.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93662 | Physics : Paper VII – Theoretical Physics, Astronomy.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93663 | Physics : Paper VII – Space Physics.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93664 | Physics : Paper VII – Material Science.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93665 | Chemistry : Physical Chemistry – Paper III – Advanced Instrumental Techniques.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93666 | Chemistry : Inorganic Chemistry – Paper III – Instrumental Methods & Analysis.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93667 | Chemistry : Organic Chemistry – Paper III – Heterocyclic Chemistry.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93668 | Chemistry : Analytical Chemistry – Paper III – Environmental and Certain Industrially Important Materials.                      |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93669 | Biochemistry : Paper VII – Clinical Biochemistry & Nutrition  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93670 | Botany : Paper VII – Micology and Plant Pathology.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93671 | Botany : Paper VII – Angiosperms and Phytochemistry.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93672 | Botany : Paper VII – Plant Physiology and Biochemistry.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93673 | Botany : Paper VII – Environmental Botany.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93674 | Botany : Paper VII – Molecular Biology, Cytogenetics and Biotechnology.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93675 | Zoology : Paper VII – Oceanography, Fishery, Science and Aquaculture – General, Physical, Chemical and Biological Oceanography. |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93676 | Zoology : Paper VII – Animal Physiology – Comprehensive Physiology.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93677 | Zoology : Paper VII – Endocrinology – Vertebrate Endocrinology and Reproductive Biology.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93678 | Zoology : Paper VII – Entomology – General Entomology.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93679 | Zoology : Paper VII – Environmental Sciences – Concepts in Environmental Science.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93680 | Zoology : Paper VII – Toxicology – General Principles of Toxicology.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93681 | Geology : Paper III – Marine Geology, Structural Analysis & Geotectonics with Reference to Indian Plate.                        |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93682 | Microbiology : Paper VII – Quality Management Systems in Microbiological Practices  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93683 | Computer Science : Paper III – Elective I – Parallel Processing and Advanced Computer Networks.                                 |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93684 | Computer Science : Paper III – System Security and Internet Security.   |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93685 | Computer Science : Paper III – Enterprise Networking and Satellite Communications.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93686 | Computer Sciences : Paper III – Fuzzy Logic, Neural Network and Multimedia Systems and Convergence of Technologies.             |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93687 | Life Sciences : Biological Macromolecules – Paper III – Metabolism & its Regulation.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93688 | Life Sciences : Biotechnology – Paper III – Molecular Biotechnology.  |
| Friday, January 4, 2019 | 02:30 p.m. to 05:30 p.m. | 93689 | Life Sciences : Applied Medical Science – Paper III – Routine Diagnostic Techniques.  |

| <b>1S01212</b>           |                          |       |  |
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| Days and Dates           | Time                     |       | Paper  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93690 | Life Sciences : Neurobiology – Paper III – Behavioral Neurosciences.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93691 | Life Sciences: Environmental Biotechnology - Paper III - Environmental Toxicology, Environmental Microbiology and Industrial Applications.                     |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93692 | Biotechnology : Paper VII - Manufacturing Process and Medical Diagnostics.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93693 | Environmental Science : Paper VII – Industrial Hygiene Occupational Health and Safety.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93694 | Biophysics : Paper VII – Radiation and Medical Biophysics.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93695 | Bioanalytical Sciences : Paper VII – Standardization of ASU Drugs & Statistics and GMP   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93696 | Information Technology : Paper III – Elective I – Parallel Processing and Distributed Computing.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93697 | Information Technology : Paper III – Intelligent Systems and Neural Networks and Fuzzy Systems.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93698 | Information Technology : Paper III – Digital Signal Processing and Enterprise Networking.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93699 | Herbal Sciences : Paper VII – Herbal Formulations.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93700 | Bioinformatics: Paper- VII- Application of Bioinformatics  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93701 | Mathematics. : Paper II – Analysis – II.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93702 | Mathematics. : Paper II – Advanced Analysis and Fourier Analysis (Rev.)  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93703 | Statistics: Paper VIII Bayesian Analysis.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93704 | Statistics: Paper VIII - Bio Informatics.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93705 | Statistics: Paper VIII - Bio Statistics.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93706 | Statistics: Paper VIII - Clinical Research.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93707 | Statistics: Paper VIII - Contingencies.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93708 | Statistics: Paper VIII - Data Mining.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93709 | Statistics: Paper VIII - Financial Mathematics.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93710 | Statistics: Paper VIII - Statistical Process Control.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93711 | Statistics: Paper VIII - Non Parametric Inference.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93712 | Statistics: Paper VIII - Operations Research.  |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93713 | Geography : Group B – Paper IX/X – Geography of Trade and Marketing.   |
| Friday, January 4, 2019  | 02:30 p.m. to 05:30 p.m. | 93714 | Geography : Group C – Paper IX/X – Geography of Environmental Quality.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93715 | Physics : Paper VIII – Optional Papers – II. Nuclear Physics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93716 | Physics : Paper VIII – Solid State Physics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93717 | Physics : Paper VIII – Solid State Electronics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93718 | Physics : Paper VIII – Electronics – Microprocessors , Microcomputers & Embedded Applications.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93719 | Physics : Paper VIII – Electronics – Electronic Communications.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93720 | Physics : Paper VIII – Chemical Physics.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93721 | Physics : Paper VIII – Plasma Physics.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93722 | Physics : Paper VIII – Laser Theoretical Physics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93723 | Physics : Paper VIII – Astronomy.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93724 | Physics : Paper VIII – Space Physics Materials Science.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93725 | Chemistry : Physical Chemistry : Paper IV – Polymer Chemistry, Physical Organic Chemistry Biophysical Chemistry, Green Chemistry and Applied Electrochemistry. |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93726 | Chemistry : Inorganic Chemistry : Paper IV – Applied Chemistry.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93727 | Chemistry : Organic Chemistry –Paper IV – Biogenesis and Steroids, Carbohydrates/Lipids etc.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93728 | Chemistry : Analytical Chemistry – Paper IV – Pharmaceutical Biochemical and Organic Analysis.   |

**IS01212**

| Days and Dates           | Time                     |       | Paper  |
|--------------------------|--------------------------|-------|--|
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93729 | Biochemistry : Paper VIII Research Methodology and Biostatistics, Bioinformatics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93730 | Botany : Paper VIII – Micology and Plant Pathology   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93731 | Botany : Paper VIII – Angiosperms and Phytochemistry   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93732 | Botany : Paper VIII – Plant Physiology and Biochemistry.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93733 | Botany : Paper VIII – Environmental Botany.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93734 | Botany : Paper VIII – Molecular Biology, Cytogenetics and Biotechnology.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93735 | Zoology : Paper VIII – Oceanography, Fishery Science & Aquaculture – Planktology, Fish, Fishery Science and Aquaculture. |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93736 | Zoology : Paper VIII – Animal Physiology – Environmental and Applied Physiology.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93737 | Zoology : Paper VIII – Endocrinology – Comparative and Molecular Endocrinology.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93738 | Zoology : Paper VIII – Entomology – Applied Entomology, Ecology and Genetics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93739 | Zoology : Paper VIII – Environmental Sciences – Pollution, Conservation and Resource Management.                         |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93740 | Zoology : Paper VIII – Toxicology – Toxicology in Special Situations.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93741 | Microbiology : Paper VIII –Fundamentals of Scientific Research.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93742 | Computer Science : Paper IV – Elective II – Pattern Recognition and Computer Vision.                                     |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93743 | Computer Science : Paper IV – Virtual Reality, Virtual Environment and Java Technology.                                  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93744 | Computer Science : Paper IV – Bio-Informatics and Intelligent Systems.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93745 | Computer Science : Paper IV – Optimization Techniques and Customer Relations Management.                                 |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93746 | Life Sciences : Biological Macromolecules – Paper IV – Biomolecular Structure & Function.                                |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93747 | Life Sciences : Biotechnology – Paper IV – Plant & Animal Biotechnology.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93748 | Life Sciences : Applied Medical Science – Paper IV – Advances in Diagnostics & Therapeutics.                             |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93749 | Life Sciences : Neurobiology – Paper IV – Molecular Neurobiology.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93750 | Life Sciences: Environmental Biotechnology - Paper IV - Biostatistics and Modelling, IPR and Bio-Safety                  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93751 | Geology : Paper IV – Coal & Petroleum Geology.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93752 | Environmental Sciences : Paper VIII – Environmental Management.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93753 | Biotechnology : Paper VIII - Environmental Biotechnolog and Legislation.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93754 | Biophysics : Paper VIII – Computer Applications, Modeling and Bioinformatics.  |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93755 | Bioanalytical Sciences : Paper VIII –BA/BE Studies GCP and Method Validation   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93756 | Information Technology : Paper IV – Software Architecture Virtual Reality and Virtual Environment.                       |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93757 | Information Technology : Paper IV – Pattern Recognition & Computer Vision.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93758 | Information Technology : Paper IV – Multimedia Systems and Convergence of Technologies and Java Technology.              |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93759 | Herbal Sciences : Paper VIII – Plant Biotechnology and Environmental Sciences.   |
| Tuesday, January 8, 2019 | 02:30 p.m. to 05:30 p.m. | 93760 | Bioinformatics: Paper VIII- Concepts in Computing.   |

| <b>IS01212</b>              |                          |       |  |
|-----------------------------|--------------------------|-------|--|
| Days and Dates              | Time                     |       | Paper  |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93761 | Mathematics: Paper III- Differential Geometry.                                   |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93762 | Mathematics: Paper III- Differential Geometry and Functional Analysis (Rev)      |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93763 | Statistics: Paper IX-Advanced Theory of Designs.                                 |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93764 | Statistics: Paper IX- Categorical Data Analysis.                                 |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93765 | Statistics: Paper IX - Econometrics.   |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93766 | Statistics: Paper IX-Financial Statistical Economics.                            |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93767 | Statistics: Paper IX-Measure Theory.   |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93768 | Statistics: Paper IX-Risk Analysis.  |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93769 | Statistics: Paper IX-Statistical Decision Theory.                                |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93770 | Statistics: Paper IX- Genetics.  |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93771 | Statistics: Paper IX- Stochastic Processes.                                      |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93772 | Statistics: Paper IX- Survival Analysis.   |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93773 | Geography : Group A – Paper IX/X – Coastal Geomorphology.                        |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93774 | Geography : Group B – Paper IX/X – Geography of Tourism and Recreation.          |
| Tuesday, January 8, 2019    | 02:30 p.m. to 05:30 p.m. | 93775 | Geography : Group B – Paper IX/X- Geographical Perspective on Ocean Development. |
| Thursday, January 10, 2019  | 02:30 p.m. to 05:30 p.m. | 93776 | Geography : Group B – Paper IX/X – Regional Development and Planning.            |
| Thursday, January 10, 2019  | 02:30 p.m. to 05:30 p.m. | 93777 | Geography : Group C – Paper IX/X – Thematic Cartography.                         |
| Friday, January 11, 2019    | 02:30 p.m. to 05:30 p.m. | 93778 | Mathematics : Paper IV/V – Functional Analysis.                                  |
| Friday, January 11, 2019    | 02:30 p.m. to 05:30 p.m. | 93779 | Mathematics : Paper IV/V – Design Theory.  |
| Friday, January 11, 2019    | 02:30 p.m. to 05:30 p.m. | 93780 | Geography : Group C – Paper IX/X – Agricultural Geography.                       |
| Monday, January 14, 2019    | 02:30 p.m. to 05:30 p.m. | 93781 | Mathematics : Paper IV/V – Elementary Number Theory.                             |
| Monday, January 14, 2019    | 02:30 p.m. to 05:30 p.m. | 93782 | Mathematics : Paper IV/V – Cumulative Algebra.                                   |
| Monday, January 14, 2019    | 02:30 p.m. to 05:30 p.m. | 93783 | Mathematics : Paper IV/V – Algebraic Topology.                                   |
| Monday, January 14, 2019    | 02:30 p.m. to 05:30 p.m. | 93784 | Geography : Group C – Paper IX/X – Geographical Information Systems.             |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93785 | Mathematics : Paper IV/V – Coding Theory.  |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93786 | Mathematics : Paper IV/V – Relativity Theory.                                    |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93787 | Mathematics:Paper IV/V - Graph Theory.   |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93788 | Mathematics : Paper V – Graph Theory (Rev.)                                      |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93789 | Mathematics : Paper V – Optimization. (OLD)                                      |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93790 | Mathematics : Paper V – Optimization. (REV.)                                     |
| Tuesday, January 15, 2019   | 02:30 p.m. to 05:30 p.m. | 93791 | Geography : Group B – Paper IX/X- Urban Geography.                               |
| Wednesday, January 16, 2019 | 02:30 p.m. to 05:30 p.m. | 93792 | Mathematics : Paper IV/V – Finite Fields & Application.                          |
| Wednesday, January 16, 2019 | 02:30 p.m. to 05:30 p.m. | 93793 | Mathematics : Paper IV/V – Differential Equations.                               |
| Wednesday, January 16, 2019 | 02:30 p.m. to 05:30 p.m. | 93794 | Mathematics: Paper IX/X Differential Forms in Topology (OLD) (5th Chance).       |
| Wednesday, January 16, 2019 | 02:30 p.m. to 05:30 p.m. | 93795 | Mathematics: Paper IX/X Differential Forms in Topology (REV.).                   |
| Thursday, January 17, 2019  | 02:30 p.m. to 05:30 p.m. | 93796 | Mathematics : Paper IV/V – Finite Group Theory.                                  |
| Thursday, January 17, 2019  | 02:30 p.m. to 05:30 p.m. | 93797 | Geography Paper IX/X – Remote Sens- Tech in Geography Studies.                   |
| Thursday, January 17, 2019  | 02:30 p.m. to 05:30 p.m. | 93798 | Geography Paper IX/X – Geography of Energy Resources.                            |

**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  
29<sup>th</sup> November, 2018.

ST-118

Sd/-  
(Prof.) Arjun Ghatule  
Director  
Board of Examinations & Evaluation