

# University of Mumbai



**329**

FIRST HALF 2015

## EXAMINATION TIME TABLE PROGRAMME - THIRD YEAR B.Sc. [YEARLY]

Days and Dates	Time	Paper
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Electronics Instrumentation – Paper I – Analog Circuits and Instruments.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Agrochemicals – Paper I Introduction to Agrochemicals.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Polymers – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Wild Life Management – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Heavy & Fine Chemicals Paper – I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Drugs & Dyes – Paper I – Drugs.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Tissue Culture – Paper I – Basic Aspects.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Medical Laboratory Technology – Paper I - Diagnostic Microbiology .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Petrochemicals Paper – I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Analytical Instrumentation – Paper I – Electronics, Data Systems and Spectroscopy.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Aquaculture – Paper I – Basic Principles of Aquaculture.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Soil Science Including Soil Analysis and Soil Mechanics – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Environmental Science & Pollution – Paper I – Introduction to Environment.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Marine Science – Paper I .

<b>Days and Dates</b>	<b>Time</b>	<b>Paper</b>
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Material Science – Paper I – Introductory Study of Various Materials.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Computer Science – Paper I – Computer Hardware, Assembly Language Programming and Operating System.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Investment Analysis – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Food Production & Processing – Paper I – Food Production .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Waste Recycling & Non-Conventional Source of Energy – Paper I – Non-Conventional Sources of Energy.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Economics Entomology – Economic Entomology – Paper I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Fishery Biology – Paper I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Bio-Technology – Paper I Concepts and Methodolgy in Biotechnology.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Computer Programming & Systems Analysis. Paper – I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Operations Research. Paper –I. ** (Use of Electronic pocket calculator permitted in the subject of Operations Research).
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Paper I – Actuarial Science. ** (Use of Electronic pocket calculator permitted in the subject of Actuarial Science.).
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Food & Nutrition & Food Adulteration – Paper I – Food Chemistry & Nutrition.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Gemmology – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Horticulture & Gardening Paper – I .
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Radio & Telecommunication – Paper I – Principles of Radio Communication.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Accountancy and Financial Management – Paper I – Accountancy.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Business Management – Paper I – General and Financial Management.

<b>Days and Dates</b>	<b>Time</b>	<b>Paper</b>
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Aerobiology – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Environmental Biochemistry – Paper I.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Web Design – Paper I – Principles of Web Design and Web Technologies.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Instrumentation – Paper I – Transducers and Analytical Instrumentation and Signal Conditioning.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Bio-Technology – Paper I – Animal Cell Bio-Technology and Plant Bio-Technology.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Chemistry – Paper I – Chemical Process Economic and Industrial Chemical Analysis.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Computer Applications – Paper I – Java Programming I & II.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Food Science & Quality Control – Paper I – Food Analysis & Food Toxicology.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Agro Services Paper I – Agricultural Machineries and Power sources, Management and Information.
Tuesday, April 07, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Microbiology – Paper I – Biodegradation of Waste and Bio-Fertilizer.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Electronics Instrumentation – Paper II – Digital Electronics Microprocessor and its applications, programming in c++ .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Agrochemicals – Paper II – Applied Aspects of Agrochemicals.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Polymers – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Wild Life Management – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Heavy & Fine Chemicals Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Drugs & Dyes – Paper II – Dyes.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Tissue Culture – Paper II – Applications.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Medical Laboratory Technology – Paper II – Haematology & Clinical Biochemistry.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Petrochemical Paper II .

<b>Days and Dates</b>	<b>Time</b>	<b>Paper</b>
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Analytical Instrumentation – Paper II – Chromatographic Electro-Analytical and Other.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Aquaculture – Paper II – Management of Aquaculture.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Soil Science Including Soil Analysis and Soil Mechanics – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Environmental Science & Pollution – Paper II – Environmental Pollution.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Marine Science – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Material Science – Paper II – Materials Characterisation and Testing.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Computer Science – Paper II – Programming in C++ .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Investment Analysis – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Food Production & Processing – Paper II – Food Processing .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Waste Recycling & Non-Conventional Sources of Energy – Paper II – Waste Recycling.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Economic Entomology – Economic Entomology – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Fishery Biology – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Bio-Technology – Paper II – Applications and Advances .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Computer Programming & System Analysis – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Operations Research – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Acturial Science – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Food & Nutrition & Food Adulteration – Paper II – Food Adulteration.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Gemmology – Paper II .
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Horticulture & Gardening Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Radio & Telecommunication – Paper II – Telecommunication Systems.

<b>Days and Dates</b>	<b>Time</b>	<b>Paper</b>
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Applied Component Group : Accountancy and Financial Management – Paper II – Financial Management.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Business Management – Paper II – Business Operations.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Aerobiology – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Web Design – Paper II – Net Technologies.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Environmental Biochemistry – Paper II.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Instrumentation – Paper II – Microprocessor and Entrepreneurship.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Bio-Technology – Paper II – Environmental Bio-Technology and Entrepreneurship.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Chemistry – Paper II – Pharmaceuticals.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Chemistry – Paper II – Heavy & Fine Chemicals.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Chemistry – Paper II – Polymers.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Computer Applications – Paper II – E-Commerce / Entrepreneurship Development.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Food Science & Quality Control – Paper II – Food Adulteration Testing & Introduction to Food Manufacture.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject – Agro Service - Paper II – Agro-Service, Processing Projects and Credit Planning.
Wednesday, April 08, 2015	03:00 p.m. to 06:00 p.m	Vocational Subject : Industrial Microbiology - : Paper II – Fermentation Technology and Immunobiotechnology.
Thursday, April 09, 2015	03:00 p.m. to 06:00 p.m	Biochemistry : Paper I – (6 Units). Biochemistry : Paper I – Bio-Organic and Biophysical Chemistry (3 Units)
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Biochemisty:Paper III –Genetics,Biostatistics and Bioinformatics (6 Unit).
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Computer Science:Paper I- Data Communications, Networking and Securitiy.
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Geology:Paper I-Stratiography and Geology of India Maharashtra and Mumbai .
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Chemistry: Paper I- Physical Chemistry (6 Units).

Days and Dates	Time	Paper
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Chemistry: Paper I- Physical & Inorganic Chemistry ( 3 Units ).
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Mathematics: Paper I- Real Analysis and Multivariable Calculus.
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Biotechnology: Paper III- Molecular Biology.
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Microbiology : Paper III- Microbial Biochemistry.
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Zoology : Paper III – Molecular Biology, Biotechnology, Genetics, Evolution and Taxicology.
Friday, April 10, 2015	03:00 p.m. to 06:00 p.m	Botany: Paper I - Plant Diversity - III .
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Physics: Paper IV- Special Theory of Relativity & Cosmology, Electrodynamics.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Chemistry : Paper II- Inorganic Chemistry ( 6 Units ).
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Chemistry : Paper II- Organic & Analytical Chemistry ( 3 Units ).
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Statistics: Paper III- Applied Statistics- I.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Computer Science : Paper II – Advanced Java.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Geology: Paper II – Igneous, Sedimentary and Metamorphic Petrology.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Biochemistry : Paper IV – (6 Units).
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Mathematics: Paper II – Algebra II
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Biotechnology: Paper IV- Applications of Biotechnology.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Microbiology : Paper IV- Bioprocess Technology.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Botany: Paper IV - Current Trends in Plant Sciences II .
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Life Sciences: Paper III -Biotechnology.
Monday, April 13, 2015	03:00 p.m. to 06:00 p.m	Zoology : Paper IV – Environmental Science- Environmental Biology, Epidemiology, Biostatistics.
Thursday, April 16, 2015	03:00 p.m. to 06:00 p.m	Biotechnology : Paper I - Cell Biology and Medical Microbiology.
Thursday, April 16, 2015	03:00 p.m. to 06:00 p.m	Zoology: Paper I-Animal Types, Comparative Chordate Anatomy, Development Biology and Histology and Endocrinology.
Thursday, April 16, 2015	03:00 p.m. to 06:00 p.m	Life Sciences: Paper IV- Environmental Biology.
Thursday, April 16, 2015	03:00 p.m. to 06:00 p.m	Physics: Paper I - Mathematical and Statistical Physics, Classical Mechanics and Chaos.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Mathematics: Paper III - Topology of Metric Spaces.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Physics : Paper II – Solid State Physics and Electronics.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Chemistry : Paper III - Organic Chemistry ( 6 Units ).
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Computer Science : Paper III – Operating Systems and Linux.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Statistics : Paper IV– Applied Statistics– II.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Geology : Paper III – Structural Geology and Engineering Geology.
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Biochemistry : Paper II – (6 Units).
Friday, April 17, 2015	03:00 p.m. to 06:00 p.m	Biochemistry: Paper II - Metabolism, Nutrition & Advanced Biochemical Concepts ( 3 Units )

Days and Dates	Time	Paper
Monday, April 20, 2015	03:00 p.m. to 06:00 p.m	Physics: Paper III- Atomic and Molecular Physics, Nuclear Physics.
Monday, April 20, 2015	03:00 p.m. to 06:00 p.m	Biotechnology : Paper II – Immunology, Biochemistry and Instrumentation.
Monday, April 20, 2015	03:00 p.m. to 06:00 p.m	Zoology: Paper II- Physiology, Haematology and Immunology.
Tuesday, April 21, 2015	03:00 p.m. to 06:00 p.m	Statistics : Paper II – Statistical Inference.
Tuesday, April 21, 2015	03:00 p.m. to 06:00 p.m	Life Sciences : Paper I - Genetics & Immunology.
Tuesday, April 21, 2015	03:00 p.m. to 06:00 p.m	Botany : Paper II – Plant Diversity- IV.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Chemistry : Paper IV -Analytical Chemistry ( 6 Units ).
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Geology : Paper IV – Remote Sensing and Image Interpretation, Photogrammetry, Geographical Information Systems.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Mathematics : Paper IV -
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Elective A- Numerical Methods.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Elective B- Number Theory and Its Applications.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Elective C- Graph Theory and Combinatorics.(OLD)
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Elective C- Graph Theory and Combinatorics.(REV.)
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Elective D - Probability and Application to Financial Mathematics.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Computer Science : Paper IV – DBMS II and Software Engineering.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Microbiology: Paper I - Genetics Bioinformatics, Molecular Biology and Virology.
Wednesday, April 22, 2015	03:00 p.m. to 06:00 p.m	Statistics: Paper I - Probability Theory and Stochastic Process **(Candidates will be permitted to use simple six function calculator).
Thursday, April 23, 2015	03:00 p.m. to 06:00 p.m	Microbiology: Paper II - Medical Microbiology and Immunology.
Friday, April 24, 2015	03:00 p.m. to 06:00 p.m	Botany : Paper III – Form and Functions-III .
Friday, April 24, 2015	03:00 p.m. to 06:00 p.m	Life Sciences : Paper II – Development Biology & Neurobiology.

**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  
12<sup>th</sup> February, 2015.

(DINESH BHONDE)  
Controller of Examinations

Ref.No:- MU/Exam/Result/FH/SCIENCE/329/156.