



Re-accredited with A ++ Grade (CGPA 3.65) by NAAC
Category- I University Status awarded by UGC

No. AAMS_UGS/ICC/2025-26/118

Date: 11th September, 2025

CIRCULAR:-

All the Principals of the Affiliated Colleges, Directors of the Recognized Institutions and the Head of the University Departments is hereby informed that the recommendations made by the **Board of Studies under Faculty of Science** and subsequently passed by the Board of Deans at its meeting held on 11th August, 2025 vide Item No. 6.1 have been accepted by the Academic Council at its meeting held on 19th August, 2025 vide Item No. 6.1 and accordingly the Equivalence paper of following Science Program was approved as per appendix with effect from the academic year 2025-26.

Sr. No.	Name of Examination	Appendix
1	B.Sc.(Statistics)	A
2	T.Y.B.Sc. (Mathematics)	B
3	T.Y.B.Sc. & M.Sc.(Chemistry)	C

(The Circular is available on the University's website www.mu.ac.in).

MUMBAI – 400 032
11th September, 2025

(Dr. Prasad Karande)
REGISTRAR

To

All the Principals of the Affiliated Colleges, Directors of the Recognized Institutions and the Head of the University Departments.

AC./6.1/19/08/2025

Copy forwarded with Compliments for information to:-

- 1) The Chairman, Board of Deans,
- 2) The Dean, Faculty of Science & Technology,
- 3) The Chairman, **Board of Studies under Faculty of Science**
- 4) The Director, Board of Examinations and Evaluation,
- 5) The Director, Department of Students Development,
- 6) The Director, Department of Information & Communication Technology,
- 7) The Director, Centre for Distance and Online Education (CDOE) Vidyanagari,
- 8) The Deputy Registrar, Admission, Enrolment, Eligibility & Migration Department (AEM).

Circular No. AAMS_UGS/ICC/2025-26/118 Date – 11th September, 2025
Priya Desktop_AAMS (III) _Circular_AC- 19-08-2025

AC – 19/08/2025

Item No. – 6.1

University of Mumbai



Science Programme Equivalence

Sr. No.	Board of Studies	Name of the Programme	Appendix
1.	Statistics	B.Sc. (Statistics)	A
2.	Mathematics	T.Y. B.Sc. (Mathematics)	B
3.	Chemistry	T.Y. B.Sc. & M.Sc. (Chemistry)	C

(With effect from the academic year 2025-26)

Name of the Programme :-T.Y.B.Sc (Statistics) Sem V

	Old CBSGS Pattern	Pre-NEP CBCS Pattern
Sem V		
Paper Code &	24156	24206
Paper Name	Statistics : Probability and Distribution	Statistics : Probablity and Distribution theory
Paper Code &	24121	24221
Paper Name	Theory of Estimation	Theory of Estimation
Paper Code &	24104	24237
Paper Name	Biostatistics	Biostatistics

Name of the Programme :-T.Y.B.Sc (Statistics) Sem VI

	Old CBSGS Pattern	Pre-NEP CBCS Pattern
Sem VI		
Paper Code &	10265	88607
Paper Name	Distribution theory and Stochastic process	Distribution theory and Stochastic process
Paper Code &	10287	88619
Paper Name	Testing of hypothesis	Testing of hypothesis
Paper Code &	10224	88632
Paper Name	Operations Research	Operations Research techniques

Name of the Program B.Sc. Mathematics

SEMESTER-V (B.Sc. Mathematics)

NOTE: In the pattern where the final score is of 100

marks (i.e. choice based system column), the conversion from 75 to 100 should be done by the exam house while entering the final marks of the students. All the papers which will be set, will be of 75 marks and a duration of 2.30 (two and half hours) only. All three columns to be made equivalent to the course (75:25 pattern) in the last column of Pre-NEP CBCS Pattern Rev 2022 of the relevant Semester mentioned there.

SEMESTER-V

Sr. No.	Old Rev 2016-17 Exam 75:25 Pattern	Old CBCGS 18 Exam 100:00 Pattern	Equivalent Course (from Pre-NEP CBCS Pattern Rev. 2020- 21/22 Exam 75:25 Pattern)
1.	Subject Name: Integral Calculus	Subject Name: Multivariable Calculus II	Subject Name: Multivariable Calculus II
	Paper Code: 24137	Paper Code: 24215	Paper Code: 24285
2.	Subject Name: Linear Algebra	Subject Name: Linear Algebra	Course Not offered Hence Continue with Linear Algebra
	Paper Code: 24158	Paper Code: 24231	Paper Code: 24158
3.	Subject Name: Topology of Metric Spaces	Subject Name: Topology of Metric Spaces	Subject Name: Topology of Metric Spaces
	Paper Code: 24142	Paper Code: 24246	Paper Code: 24291
4.	Subject Name: Numerical analysis	Subject Name: Numerical analysis	Course Not offered Hence Continue with Numerical analysis
	Paper Code: 24151	Paper Code: 24260	Paper Code: 24151
5.	Subject Name: Number Theory and Applications I	Subject Name: Number Theory and Applications I	Subject Name: Number Theory and Applications I
	Paper Code: 24152	Paper Code: 24261	Paper Code: 24288

6.	Subject Name: Graph Theory	Subject Name: Graph Theory	Subject Name: Graph Theory
	Paper Code: 24153	Paper Code: 24262	Paper Code: 24289
7.	Subject Name: Basic Concepts of Probability and Random Variables	Subject Name: Basic Concepts of Probability and Random Variables	Subject Name: Basic Concepts of Probability and Random Variables
	Paper Code: 24154	Paper Code: 24263	Paper Code: 24290

SEMESTER-VI (B.Sc Mathematics)

NOTE: In the pattern where the final score is of 100 marks (i.e. choice based system column), the conversion from 75 to 100 should be done by the exam house while entering the final marks of the students. All the papers which will be set, will be of 75 marks and a duration of 2.30 (two and half hours) only. All three columns to be made equivalent to the course (75:25 pattern) in the last column of Pre-NEP CBCS Pattern Rev 2022 of the relevant Semester mentioned there.

Sem VI

Sr. No.	Old CBSGS Pattern 2013-14 Exam 60:40 Pattern	Old (Choice Based) System 2017-18 Exam 100:00 Pattern	Pre-NEP CBCS Pattern Rev. 2022 Exam 75:25Pattern
1.	Subject Name: Real and Complex Analysis	Subject Name: Basic Complex Analysis	Subject Name: Basic Complex Analysis
	Paper Code: 10208	Paper Code: 88613	Paper Code: 88677
2.	Subject Name: Algebra	Subject Name: Algebra	Subject Name: Ring Theory
	Paper Code: 10230	Paper Code: 88625	Paper Code: 88678
3.	Subject Name: Metric Topology	Subject Name: Topology of Metric Spaces	Subject Name: Topology and Real Analysis
	Paper Code: 10242	Paper Code: 88639	Paper Code: 88679
4.	Subject Name: Number Theory and Applications II	Subject Name: Number Theory and Applications II	Subject Name: Number Theory and Applications II
	Paper Code: 10258	Paper Code: 88653	Paper Code: 88681

5.	Subject Name: Graph Theory and Combinatorics	Subject Name: Graph Theory and Combinatorics	Subject Name: Graph Theory and Combinatorics
	Paper Code: 10259	Paper Code: 88654	Paper Code: 88682
6.	Subject Name: Operations Research	Subject Name: Operations Research	Subject Name: Operations Research
	Paper Code: 10260	Paper Code: 10260	Paper Code: 10260
7.	Subject Name: Financial Mathematics II	Not Applicable	Course Not offered Hence Continue with Financial Mathematics II
	Paper Code: 10256	Not Applicable	Paper Code : 10256

Name of the Programme: Chemistry**List of Equivalent Courses (PG)**

	Old CBSGS Pattern	Pre-NEP CBCS Pattern
Sem I		
Paper Code & Paper Name	PSCH 101 Physical Chemistry	PSCH 101 Physical Chemistry
Paper Code & Paper Name	PSCHP 101 Physical Chemistry Practicals	PSCHP 101 Physical Chemistry Practicals
Paper Code & Paper Name	PSCH 102 Inorganic Chemistry	PSCH 102 Inorganic Chemistry
Paper Code & Paper Name	PSCHP 102 Inorganic Chemistry Practicals	PSCHP 102 Inorganic Chemistry Practicals
Paper Code & Paper Name	PSCH 103 Organic Chemistry	PSCH 103 Organic Chemistry
Paper Code & Paper Name	PSCHP 103 Organic Chemistry Practicals	PSCHP 103 Organic Chemistry Practicals
Paper Code & Paper Name	PSCH 104 Analytical Chemistry	PSCH 104 Analytical Chemistry
Paper Code & Paper Name	PSCHP 104 Analytical Chemistry Practicals	PSCHP 104 Analytical Chemistry Practicals

Sem II		
Paper Code & Paper Name	PSCH 201 Physical Chemistry	PSCH 201 Physical Chemistry

Paper Code & Paper Name	PSCHP 201	PSCHP 201
	Physical Chemistry Practicals	Physical Chemistry Practicals
Paper Code & Paper Name	PSCH 202	PSCH 202
	Inorganic Chemistry	Inorganic Chemistry
Paper Code & Paper Name	PSCHP 202	PSCHP 202
	Inorganic Chemistry Practicals	Inorganic Chemistry Practicals
Paper Code & Paper Name	PSCH 203	PSCH 203
	Organic Chemistry	Organic Chemistry
Paper Code & Paper Name	PSCHP 203	PSCHP 203
	Organic Chemistry Practicals	Organic Chemistry Practicals
Paper Code & Paper Name	PSCH 204	PSCH 204
	Analytical Chemistry	Analytical Chemistry
Paper Code & Paper Name	PSCHP 204	PSCHP 204
	Analytical Chemistry Practicals	Analytical Chemistry Practicals

Sem III	Physical Chemistry	
Paper Code & Paper Name	PSCHP301	PSCHP301
	Paper I: Chemistry: Polymer, Surface & Photo	Paper I: Chemistry: Polymer, Surface & Photo
Paper Code & Paper Name	PSCHP302	PSCHP302
	Paper II: Nanochemistry, statistical mechanics & Nuclear chemistry	Paper II: Nano chemistry, statistical mechanics & Nuclear chemistry
Paper Code & Paper Name	PSCHP303	PSCHP303
	Paper-III: Atomic and Molecular: Structure and Spectroscopy	Paper-III: Atomic and Molecular: Structure and Spectroscopy

Paper Code & Paper Name	PSCHPEC-I 304 Advanced Instrumental Techniques	PSCHPEC-I 304 Advanced Instrumental Techniques
Paper Code & Paper Name	PSCHPEC-II 304 Advanced Instrumental Techniques	PSCHPEC-II 304 Advanced Instrumental Techniques
Paper Code & Paper Name	PSCHP3P1 Practicals	PSCHP3P1 Practicals
Paper Code & Paper Name	PSCHP3P2 Practicals	PSCHP3P2 Practicals
Paper Code & Paper Name	PSCHP3P3 Practicals	PSCHP3P3 Practicals
Paper Code & Paper Name	PSCHP3P4 Practicals	PSCHP3P4 Practicals
Sem IV	Physical Chemistry	
Paper Code & Paper Name	PSCHP401 Paper-I Chemistry: Polymer, Green, Biophysical and Applied	PSCHP401 Paper-I Chemistry: Polymer, Green, Biophysical and Applied
Paper Code & Paper Name	PSCHP402 Paper-II Material Science, network and irreversible thermodynamics	PSCHP402 Paper-II Material Science, network and irreversible thermodynamics
Paper Code & Paper Name	PSCHP403 Paper-III Symmetry & Spectroscopy	PSCHP403 Paper-III Symmetry & Spectroscopy
Paper Code & Paper Name	PSCHPOC-I 404 Paper – IV Intellectual Property Rights & Cheminformatics	PSCHPOC-I 404 Paper – IV Intellectual Property Rights & Cheminformatics

Paper Code & Paper Name	PSCHPOC-II 404 Paper – IV: Research Methodology	PSCHPOC-II 404 Paper – IV: Research Methodology
Paper Code & Paper Name	PSCHP4P1 Practicals	PSCHP4P1 Practicals
Paper Code & Paper Name	PSCHP4P2 Practicals	PSCHP4P2 Practicals
Paper Code & Paper Name	PSCHP4P3 Practical: Interpretation of spectra/data	PSCHP4P3 Practical: Interpretation of spectra/data
Paper Code & Paper Name	PSCHP4P4 Practical: Project Evaluation	PSCHP4P4 Practical: Project Evaluation

Sem III	Inorganic Chemistry	
Paper Code & Paper Name	PSCHI 301 Chemistry of Inorganic Solids	PSCHI 301 Chemistry of Inorganic Solids
Paper Code & Paper Name	PSCHI 302 Bioinorganic and Coordination Chemistry	PSCHI 302 Bioinorganic and Coordination Chemistry
Paper Code & Paper Name	PSCHI 303 Spectral Methods in Inorganic Chemistry	PSCHI 303 Spectral Methods in Inorganic Chemistry
Paper Code & Paper Name	PSCHI EC-I 304 Applied Chemistry (Elective)	PSCHI EC-I 304 Applied Chemistry (Elective)
Paper Code & Paper Name	PSCHI EC-II 304 Inorganic Materials (Elective)	PSCHI EC-II 304 Inorganic Materials (Elective)

Paper Code & Paper Name	PSCHI3P1 Practical: Analysis of ores/alloys	PSCHI3P1 Practical: Analysis of ores/alloys
Paper Code & Paper Name	PSCHI3P2 Practical: Solvent Extraction	PSCHI3P2 Practical: Solvent Extraction
Paper Code & Paper Name	PSCHI3P3 Inorganic Preparations	PSCHI3P3 Inorganic Preparations
Paper Code & Paper Name	PSCHI3P4 Analysis of the following samples	PSCHI3P4 Analysis of the following samples
Sem IV	Inorganic Chemistry	
Paper Code & Paper Name	PSCHI 401 Paper I: Properties of Inorganic Solids and Group Theory	PSCHI 401 Paper I: Properties of Inorganic Solids and Group Theory
Paper Code & Paper Name	PSCHI 402 Paper II: Organometallics and main group Chemistry	PSCHI 402 Paper II: Organometallics and main group Chemistry
Paper Code & Paper Name	PSCHI 403 Paper III: Instrumental methods in Inorganic Chemistry	PSCHI 403 Paper III: Instrumental methods in Inorganic Chemistry
Paper Code & Paper Name	PSCHIOC-I 404 Paper – IV: Intellectual Property Rights & Cheminformatics	PSCHIOC-I 404 Paper – IV: Intellectual Property Rights & Cheminformatics
Paper Code & Paper Name	PSCHIOC-II 404 PAPER – IV: Research Methodology	PSCHIOC-II 404 PAPER – IV: Research Methodology

Paper Code & Paper Name	PSCHI4P1 Practicals: Analysis of Ores	PSCHI4P1 Practicals: Analysis of Ores
Paper Code & Paper Name	PSCHI4P2 Practicals: Coordination Chemistry	PSCHI4P2 Practicals: Coordination Chemistry
Paper Code & Paper Name	PSCHI4P3 Practicals: Analysis of the following samples	PSCHI4P3 Practicals: Analysis of the following samples
Paper Code & Paper Name	PSCHI4P4 Practicals: Project Evaluation & Spectral interpretation	PSCHI4P4 Practicals: Project Evaluation & Spectral interpretation

Sem III	Organic Chemistry	
Paper Code & Paper Name	PSCHO301 Paper - I Theoretical organic chemistry-I	PSCHO301 Paper - I Theoretical organic chemistry-I
Paper Code & Paper Name	PSCHO302 Paper-II Synthetic Organic Chemistry-I	PSCHO302 Paper-II Synthetic Organic Chemistry-I
Paper Code & Paper Name	PSCHO303 Paper-III Natural Products and Spectroscopy	PSCHO303 Paper-III Natural Products and Spectroscopy
Paper Code & Paper Name	PSCHOEC-I 304 Paper-IV Medicinal, Biogenesis and Green Chemistry	PSCHOEC-I 304 Paper-IV Medicinal, Biogenesis and Green Chemistry

Paper Code & Paper Name	PSCHOEC-II 304 Paper-IV Bioorganic Chemistry	PSCHOEC-II 304 Paper-IV Bioorganic Chemistry
Paper Code & Paper Name	PSCHO3P1 Practicals	PSCHO3P1 Practicals
Paper Code & Paper Name	PSCHO3P2 Practicals	PSCHO3P2 Practicals
Sem IV	Organic Chemistry	
Paper Code & Paper Name	PSCHO401 Paper - I Theoretical organic chemistry-II	PSCHO401 Paper - I Theoretical organic chemistry-II
Paper Code & Paper Name	PSCHO402 Paper - II Synthetic organic chemistry-II	PSCHO402 Paper - II Synthetic organic chemistry-II
Paper Code & Paper Name	PSCHO403 Paper - III Natural products and heterocyclic chemistry	PSCHO403 Paper - III Natural products and heterocyclic chemistry
Paper Code & Paper Name	PSCHOOC-I 404 Paper – IV Intellectual Property Rights & Cheminformatics	PSCHOOC-I 404 Paper – IV Intellectual Property Rights & Cheminformatics
Paper Code & Paper Name	PSCHOOC-II 404 PAPER – IV: Research Methodology	PSCHOOC-II 404 PAPER – IV: Research Methodology
Paper Code & Paper Name	PSCHO4P1 Practicals	PSCHO4P1 Practicals
Paper Code & Paper Name	PSCHO4P2 Practicals	PSCHO4P2 Practicals

Sem III	Analytical Chemistry	
Paper Code &	PSCHA301	PSCHA301
Paper Name	Quality in Analytical Chemistry	Quality in Analytical Chemistry
Paper Code &	PSCHA302	PSCHA302
Paper Name	Advance Instrumental Techniques	Advance Instrumental Techniques
Paper Code &	PSCHA303	PSCHA303
Paper Name	Bioanalytical Chemistry and Food Analysis	Bioanalytical Chemistry and Food Analysis
Paper Code &	PSCHAEI-I 304	PSCHAEI-I 304
Paper Name	Environmental and Certain Industrially Important Materials	Environmental and Certain Industrially Important Materials
Paper Code &	PSCHAEI-II 304	PSCHAEI-II 304
Paper Name	Pharmaceutical and Organic Analysis	Pharmaceutical and Organic Analysis
Paper Code &	PSCHA3P1	PSCHA3P1
Paper Name	Practicals: Group – A	Practicals: Group – A
Paper Code &	PSCHA3P2	PSCHA3P2
Paper Name	Practicals: Group – B	Practicals: Group – B
Paper Code &	PSCHA3P3	PSCHA3P3
Paper Name	Practicals: Group – C	Practicals: Group – C
Paper Code &	PSCHA3P4	PSCHA3P4
Paper Name	Practicals: Group – D	Practicals: Group – D

Sem IV	Analytical Chemistry	
Paper Code & Paper Name	PSCHA401 Quality in Analytical Chemistry	PSCHA401 Quality in Analytical Chemistry
Paper Code & Paper Name	PSCHA402 Advanced Instrumental Techniques	PSCHA402 Advanced Instrumental Techniques
Paper Code & Paper Name	PSCHA403 Selected Topics in Analytical Chemistry	PSCHA403 Selected Topics in Analytical Chemistry
Paper Code & Paper Name	PSCHAOC-I 404 Intellectual property rights & Cheminformatics	PSCHAOC-I 404 Intellectual property rights & Cheminformatics
Paper Code & Paper Name	PSCHAOC-II 404 Research Methodology	PSCHAOC-II 404 Research Methodology
Paper Code & Paper Name	PSCHA4P1 Practicals: Group – A	PSCHA4P1 Practicals: Group – A
Paper Code & Paper Name	PSCHA4P2 Practicals: Group – B	PSCHA4P2 Practicals: Group – B
Paper Code & Paper Name	PSCHA4P3 Practicals: Group – C	PSCHA4P3 Practicals: Group – C
Paper Code & Paper Name	PSCHA4P4 Practicals: Group – D	PSCHA4P4 Practicals: Group – D

List of Equivalent Courses (UG)

	Old CBSGS Pattern	Pre-NEP CBCS Pattern
Sem V		
Paper Code &	USCH501	USCH501
Paper Name	Physical Chemistry	Physical Chemistry
Paper Code &	USCH502	USCH502
Paper Name	Inorganic Chemistry	Inorganic Chemistry
Paper Code &	USCH503	USCH503
Paper Name	Organic Chemistry	Organic Chemistry
Paper Code &	USCH504	USCH504
Paper Name	Analytical Chemistry	Analytical Chemistry
Paper Code &	USCHP01	USCHP01
Paper Name	Physical Chemistry Practicals	Physical Chemistry Practicals
Paper Code &	USCHP05	USCHP05
Paper Name	Inorganic Chemistry Practicals	Inorganic Chemistry Practicals
Paper Code &	USCHP09	USCHP09
Paper Name	Organic Chemistry Practicals	Organic Chemistry Practicals
Paper Code &	USCHP13	USCHP504
Paper Name	Analytical Chemistry Practicals	Analytical Chemistry Practicals
Sem VI		
Paper Code &	USCH601	USCH601
Paper Name	Physical Chemistry	Physical Chemistry
Paper Code &	USCH602	USCH602
Paper Name	Inorganic Chemistry	Inorganic Chemistry

Paper Code &	USCH603	USCH603
Paper Name	Organic Chemistry	Organic Chemistry
Paper Code &	USCH604	USCH604
Paper Name	Analytical Chemistry	Analytical Chemistry
Paper Code &	USCHP02	USCHP02
Paper Name	Physical Chemistry Practicals	Physical Chemistry Practicals
Paper Code &	USCHP06	USCHP06
Paper Name	Inorganic Chemistry Practicals	Inorganic Chemistry Practicals
Paper Code &	USCHP10	USCHP10
Paper Name	Organic Chemistry Practicals	Organic Chemistry Practicals
Paper Code &	USCHP14	USCHP604
Paper Name	Analytical Chemistry Practicals	Analytical Chemistry Practicals