

AHMEDNAGAR JILHA MARATHA VIDYA PRASARAK SAMAJ'S
New Arts, Commerce & Science College, Ahmednagar (Autonomous)
M.Sc. All Courses NEP 2023 Pattern

Examination of April/May 2025

INSTRUCTIONS FOR CANDIDATES

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.
- Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.
- Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.
- No request shall be granted for change in time or date for the University Examination on any ground.
- Candidates are requested to note the Day, Date and Time of Paper.
- Candidates are permitted to use stencils at the time of examination.
- The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.
- Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.
- The written examination will be conducted in the following order.

M.Sc. II Sem IV**Time: 02.00 – 05.00**

| Day & Date | Paper Code | Subject |
|--------------------------------|-------------------|---|
| Friday 02/05/2025 | MS- OC641T | Chemistry of Natural Products |
| | MS-IC641T | Heterogeneous Catalysis and its Applications in Organic Synthesis |
| | MS- DC641T | Advanced Medicinal Chemistry |
| | MS- AC641T | Advanced Analytical Spectroscopic Techniques |
| | MS-MC641T | Drug Design |
| | MS- BC 641T | Genetic Engineering |
| | MS-BO641T | Plant Ecology and Phytogeography |
| | MS-ZO641T | Animal Physiology- II |
| | MS-PH641T | Solid State Physics |
| | MS-MT641T | Number Theory |
| | MS-ES641T | Measurement techniques and Control Systems |
| | MS-ST641T | Design and Analysis of Experiments |
| | MS-BT641T | Bacteriology and Virology |
| | MS-MR 641T | Drug Discovery And Development |
| | MS-EN641T | Solid & Hazardous Waste Management |
| | MS-WT641T | Sensory evaluation and Health Benefits of Alcoholic Beverages |
| | MS-MS 641T | Production Management |
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| Saturday 03/05/2025 | MS-BO642T | Molecular Biology and Bioinformatics |
| | MS-ZO642T | Mammalian Reproductive Physiology and Neural Physiology |
| | MS-PH642T | Nuclear Physics |
| | MS-MT642T | Differential Geometry |
| | MS-ES642T | Industrial Electronics |
| | MS-ST642T | Statistical Applications Clinical Trials |
| | MS-BT642T | Genomics and Proteomics |
| | MS-MR 642T | Microbial Technology |
| | MS-EN642T | Environmental Toxicology and Health |
| | MS-WT642T | Industrial Waste Treatment & Environmental Management |
| | MS-MS 642T | Mobile Journalism |
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| Monday 05/05/2025 | MS- OC645T | Concepts and Applications of Medicinal Chemistry OR Introduction to Medicinal Chemistry |
| | MS-IC645T | Material Science - II OR |
| | MS- DC645T | Advanced Synthetic Methods in Chemistry OR Bioinformatics, Biostatistics in Drug Discovery |
| | MS- AC645T | Agricultural Analytical Chemistry OR Analytical Chemistry of Polymer and detergents |
| | MS- MC645T | Origin of Secondary Metabolic Drugs in Plants and Pharmacokinetic s OR Biophysical Techniques |
| | MS- BC 645T | A: Fermentation Technology OR B: Advance Techniques in Biochemistry |
| | MS-BO645T | A. Mushroom Culture Technology B. Algal Biotechnology |
| | MS-ZO645T | Ecology/Evolutionary Biology |
| | MS-PH645T | Energy Studies II |
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| | MS-MT645T | Fourier Series and Boundary Value Problems |
| | MS-ES645T(A) | Wireless Sensor Network Or Computational Methods for Electronics |
| | MS-ST645T | Bayesian Inference |
| | MS-BT645T | Clinical Research OR Agricultural Biotechnology |
| | MS-MR 645T | Waste Water Treatment |
| | MS-EN645T | Restoration Ecology and Watershed Management |
| | MS-WT645T (A) | Marketing And Regulatory Policies Of Alcoholic Beverages OR Biophysical And Biochemical Techniques |
| | MS-MS 645T | A) Integrated Marketing Comm.OR B) Political Communication |
| Tuesday 06/05/2025 | MS- OC646T | Designing Organic Synthesis OR Supramolecular and Green Chemistry |
| | MS-IC646T | Advanced Technique in Inorganic Chemistry OR Industrial Applications of Inorganic Chemistry |
| | MS- DC646T | Chemistry of Organometallic Compounds OR Protection - De-protection, Chiron Approach |
| | MS- AC646T | Advanced Chromatographic methods of Analysis-II OR Laboratory Automation Techniques |
| | MS- MC646T | Fundamentals of Chiral Drug Synthesis OR Pharmaceutical Analytical Techniques |
| Wednesday 07/05/2025 | MS- OC642T | Advanced Synthetic Methods in Organic Chemistry |
| | MS-IC642T | Inorganic Nanomaterial and Organometallic Chemistry. |
| | MS- DC642T | Drug Design and Development |
| | MS- AC642T | Chemical Methods of Pharmaceutical Analysis |
| | MS- MC642T | Advanced Synthetic Methods |
| | MS- BC 642T | Endocrinology and Neurochemistry |

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| Thursday 08/05/2025 | Time 10.00 – 01.00 | PGAC-04 | Intellectual Property Rights |
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M.Sc. II Sem III (Backlog)

Time: 10.00 – 01.00

| Day & Date | Paper Code | Subject |
|--------------------------------|-------------|--|
| Friday 02/05/2025 | MS- OC631T | Organic Reaction mechanism and Reagents in Organic Synthesis |
| | MS-IC631T | Bioinorganic and Medicinal Chemistry |
| | MS- DC631T | Drug Discovery and Development |
| | MS- AC631T | Electrochemical and Thermogravimetric Methods of Chemical Analysis |
| | MS-MC631T | Spectroscopic Methods in Structure Determination |
| | MS-BO631T | Plant Systematics |
| | MS-ZO631T | Animal Physiology-I |
| | MS-PH631T | Atomic, Molecular Physics |
| | MS-MT631T | Functional Analysis |
| | MS-ES631T | Digital Signal Processing |
| | MS-ST631T | Stochastic Process |
| | MS-BT631T | Genetic Engineering |
| | MS-MR 631T | Immunology |
| | MS-EN631T | EIA & Environmental Audit |
| | MS-WT631T | Advanced Alcohol Technology |
| | MS-CS631T | Full Stack Development |
| | MS-CA631T | Android Programming |
| | MS- BC 631T | Molecular Biology |
| | MS-MS 631T | Media : Society and Culture |
| Saturday 03/05/2025 | | |
| | MS-BO632T | Cell Biology and Evolution |
| | MS-ZO632T | Immunology and Evolution |
| | MS-PH632T | Statistical Mechanics |
| | MS-MT632T | Field Theory |
| | MS-ES632T | Robotics and Mechatronics |
| | MS-ST632T | Design and Analysis of Experiment |
| | MS-BT632T | Advanced Cell and Molecular Biology |
| | MS-MR 632T | Molecular Biology II |
| | MS-EN632T | Remote Sensing & GIS |
| | MS-WT632T | Advanced Brewing Technology |
| | MS-CS632T | Machine Learning |
| | MS-CA632T | Data Mining and Data Warehousing |
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| Monday 05/05/2025 | MS-MS 632T | Digital Journalism |
| | MS- OC635T | Asymmetric Synthesis |
| | MS-IC635T | Material Science – I |
| | MS- DC635T | Advanced Synthetic Method in Chemistry |
| | MS- AC635T | Advanced Methods of Analysis |
| | MS-MC635T | Stereochemistry |
| | MS-BO635T | A. Plant Taxonomy B. Applied Mycology |
| | MS-ZO635T | Entomology/Freshwater Biology |
| | MS-PH635T | Energy Studies I |
| | MS-MT635T | Classical Mechanics |

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| | MS-ES635T(A) | Virtual Instrumentation VLSI System Design |
| | MS-ST635T | Bayesian Inference |
| | MS-BT635T | Stem Cell Technology OR Entrepreneurship and Business Management |
| | MS-MR 635T | Microbiology In Sustainable Development |
| | MS-EN635T | Environmental Biotechnology -I |
| | MS-WT635T (A) | Advanced Oenology Or Entrepreneurship And Business Management |
| | MS-CS635T | Software Project Management |
| | MS-CA635T | Artificial Intelligence |
| | MS- BC 635T | Elective option-A: Plant Biochemistry |
| | MS-MS 635T | A) Advertising B) Media and Politics |
| Tuesday 06/05/2025 | MS- OC636T | Stereochemistry of Carbon Compounds |
| | MS-IC636T | Nanomaterials |
| | MS- DC636T | Stereochemistry |
| | MS- AC636T | Analytical Tools for Forensic Science |
| | MS-MC636T | Bioinformatics |
| | MS-BC636T | Toxicology |
| Wednesday 07/05/2025 | MS- OC632T | Spectroscopic Methods for Structure Determination |
| | MS-IC632T | Inorganic Reaction Mechanism |
| | MS- DC632T | Spectroscopic Methods in Structure Determination |
| | MS- AC632T | Analytical Method Development and extraction Techniques |
| | MS-MC632T | Drug Design |
| | MS- BC 632T | Medical Biochemistry and Immunology |

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| Thursday 08/05/2025 | Time 02.00-05.00 | PGAC-03 | Cyber Security |
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M.Sc. I Sem II

Time: 02.00 – 05.00

| Day & Date | Paper Code | Subject |
|--------------------------------|-------------|---|
| Friday 09/05/2025 | MS- CH521T | Inorganic Chemistry-II |
| | MS-MC521T | Organic Chemistry II |
| | MS-BO521T | Computational Botany |
| | MS-ZO521T | Genetics and Biostatistics |
| | MS-MT521T | Topology |
| | MS-PH521T | Quantum Mechanics |
| | MS-ES521T | Electromagnetic Fields and Antennas |
| | MS-ST521T | Statistical Inference |
| | MS-BT521T | Animal Biotechnology |
| | MS-MR521T | Instrumentation And Molecular Biophysics |
| | MS-EN521T | Water & Soil Pollution: Management & Mitigation |
| | MS-WT521T | Applied Alcohol Technology |
| | MS-CS 521T | Advanced Operating Systems |
| | MS-CA521T | ASP. NET |
| | MS- BC 521T | Metabolism |
| | MS-MS 521T | Communication Studies - II |
| Saturday 10/05/2025 | MS- CH522T | Organic Chemistry-II |
| | MS-MC522T | Medical Biochemistry and Immunology |
| | MS-BO522T | Developmental Botany |
| | MS-ZO522T | Endocrinology and Bioinformatics |
| | MS-MT522T | Advanced Complex Analysis |
| | MS-PH522T | Electrodynamics |
| | MS-ES522T | Internet of Things |
| | MS-ST522T | Regression Analysis |
| | MS-BT522T | Advanced Bioanalytical Techniques |
| | MS-MR522T | Molecular Biology I |
| | MS-EN522T | Air, Noise & Radiation Pollution: Management & Mitigation |
| | MS-WT522T | Applied Brewing Technology |
| | MS-CS522T | Information System Security |
| | MS-CA522T | Operating System Concepts |
| | MS- BC 522T | Physical Biochemistry |
| | MS-MS 522T | News Writing and Editing |
| Tuesday 13/05/2025 | MS- CH523T | Physical Chemistry-II |
| | MS-MC523T | Drug Discovery and Development |
| | MS-BO523T | Biochemistry |
| | MS-ZO523T | Developmental Biology |
| | MS-MT523T | Ring Theory |
| | MS-PH523T | Electronics |
| | MS-ES523T | Optical Fiber Communication |
| | MS-ST523T | Probability Theory |
| | MS-BT523T | Bioprocess Engineering |
| | MS-MR523T | Microbial Metabolism and Photosynthesis |
| | MS-EN523T | Environmental Law, Ethics & Policy |
| | MS-WT523T | Applied Oenology |
| | MS-CS523T | Mobile Technologies |

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| | MS-CA523T | Advanced Networking Concepts |
| | MS- BC 523T | General Microbiology |
| | MS-MS 523T | Digital Marketing |
| Wednesday 14/05/2025 | MS- CH527T | Heterocyclic Chemistry OR |
| | MS-MC527T | Biological and Medicinal Inorganic Chemistry OR Point Group Theory of Elements |
| | MS-BO527T | Plant Tissue Culture Technology |
| | MS-ZO527T | Ethology |
| | MS-MT527T | Partial Differential Equation |
| | MS-PH527T | Nanotechnology |
| | MS-ES527T | Digital Image Processing Artificial Intelligence |
| | MS-ST527T | Inferential Multivariate Analysis /Categorical Data Analysis |
| | MS-BT527T | Environmental Biotechnology OR Biostatistics |
| | MS-MR527T | Enzymology OR Bioenergetics |
| | MS-EN527T | Forestry and Habitat Management |
| | MS-WT527T | Chemical Engineering and Plant Management OR Biostatistics |
| | MS-CS527T | Dot Net |
| | MS-CA527T | Cloud Computing |
| | MS- BC 527T | A. Food Technology B: Bioinformatics |
| | MS-MS 527T | A) Public Relation B) Film Studies |

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| Friday 16/05/2025 | Time 10.00-01.00 | PGAC 02 | Human Rights |
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M.Sc. I Sem I (Backlog)**Time: 10.00 – 01.00**

| Day & Date | Paper Code | Subject |
|--------------------------------|------------|--|
| Friday 09/05/2025 | MS- CH511T | Inorganic Chemistry-I |
| | MS-MC511T | Organic Chemistry I |
| | MS-BO511T | Botanical Technique |
| | MS-ZO511T | Comparative Animal Physiology |
| | MS-MT511T | Linear Algebra |
| | MS-PH511T | Mathematical Methods in Physics |
| | MS-ES511T | Modern Communication Technologies |
| | MS-ST511T | Linear Algebra |
| | MS-BT511T | Plant Biotechnology |
| | MS-MR511T | Microbial Cell Organization And Biochemistry |
| | MS-EN511T | Environmental Biology & Biodiversity |
| | MS-WT511T | Microbiology of Wine, Beer and Alcohol |
| | MS-CS511T | Paradigm of Programming Languages |
| | MS-CA511T | Internet and Java Programming |
| | MS- BC511T | Biomolecules |
| | MS-MS 511T | Introduction to Communication Studies |
| Saturday 10/05/2025 | MS- CH512T | Organic Chemistry-I |
| | MS-MC512T | Biochemical Basis of Medicinal Chemistry |
| | MS-BO512T | Plant Physiology |
| | MS-ZO512T | Cell and Molecular Biology |
| | MS-MT512T | Real Analysis |
| | MS-PH512T | Classical Mechanics |
| | MS-ES512T | Advanced Analog Circuit Design |
| | MS-ST512T | Probability Distributions |
| | MS-BT512T | Advanced Biological Chemistry |
| | MS-MR512T | Quantitative Biology |
| | MS-EN512T | Environmental Chemistry |
| | MS-WT512T | Biochemistry of Wine, Beer and Alcohol |
| | MS-CS512T | Database Technologies |
| | MS-CA512T | Advance Database |
| | MS- BC512T | Cell Biochemistry |
| | MS-MS 512T | Introduction to Print Media |
| Tuesday 13/05/2025 | MS- CH513T | Physical Chemistry-I |
| | MS-MC513T | Chemical Mathematics and Quantum Mechanics |
| | MS-BO513T | Cytogenetics and Plant Breeding |
| | MS-ZO513T | Economic Zoology |
| | MS-MT513T | Group Theory |
| | MS-PH513T | Python Programming |
| | MS-ES513T | Programming Raspberry Pi using Python |
| | MS-ST513T | Sampling Theory and Methods |
| | MS-BT513T | Bioinformatics |
| | MS-MR513T | Microbial Systematics |
| | MS-EN513T | Environmental Geosciences |
| | MS-WT513T | Viticulture |
| | MS-CS513T | Artificial Intelligence |
| | MS-CA513T | Design and Analytics of Algorithms |

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| | MS- BC513T | Enzymology |
| | MS-MS 513T | New Media Studies |
| Wednesday 14/05/2025 | MS- CH517T | Chemical Kinetics and Reaction Dynamics OR Chemical Biology |
| | MS-MC517T | Introduction to Coordination Chemistry and Nanotechnology OR Organometallic and Inorganic Reaction Mechanism |
| | MS-BO517T | Forensic Botany |
| | MS-ZO517T | Biochemistry/ Metabolic Pathways |
| | MS-MT517T | Ordinary Differential Equations |
| | MS-PH517T | Laser and Applications |
| | MS-ES517T | A. Advanced Embedded System Design B. C++ Programming and Data Structure |
| | MS-ST517T | Exploratory Multivariate Analysis / Data Mining |
| | MS-BT517 | A. Nanotechnology B. Pharmaceutical Biotechnology |
| | MS-MR517T | Virology |
| | MS-EN517T | Atmospheric Science |
| | MS-WT517T | Bioprocess Engineering Or Environmental Science |
| | MS-CS 517T | Web Technology OR Design and Analysis of Algorithms |
| | MS-CA517T | Web Technology |
| | MS- BC517T | Genetics OR Biostatistics |
| | MS-MS 517T | A. Gender and Media B. Film Appreciation |
| Thursday 15/05/2025 | MS- CH519T | Research Methodology |
| | MS-MC519T | Research Methodology |
| | MS-BO519T | Research Methodology |
| | MS- ZO519T | Research Methodology |
| | MS-MT519T | Research Methodology and Computer Application |
| | MS- PH519T | Research Methodology |
| | MS- ES519T | Research Methodology |
| | MS- ST519T | Research Methodology |
| | MS- BT519T | Research Methodology |
| | MS-MR519T | Research Methodology |
| | MS-EN519T | Environmental Instrumentation |
| | MS- WT519T | Research Methodology |
| | MS- CS519T | Research Methodology |
| | MS- CA519T | Research Methodology |
| | MS- BC519T | Research Methodology |
| | MS-MS 519T | Mass Media Research |

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| Friday 16/05/2025 | Time 02.00-05.00 | PGAC-01 | Constitution Of India |
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F. J. 22/04/25
Controller of Examination
 New Arts Commerce and Science College
 Ahmednagar-414001

DD 22-5-25
PRINCIPAL
 New Arts Commerce and Science College,
 Ahmednagar-414001