

**NOTIFICATION OF THE GUJARAT UNIVERSITY**No. Exam. 'A' / **54632** / of 2019**Revised Programme of the M.Sc. Semester-II Examination — April, 2019**

Candidates are requested to be present *fifteen minutes before the time appointed for the setting of the first paper and ten minutes before the time for setting each subsequent paper.* THEY ARE FORBIDDEN TO TAKE ANY BOOK, PAPER OR ANY KIND OF HAND-WRITTEN / TYPED / PRINTED MATERIAL, PROGRAMMABLE CALCULATOR, ANY TYPE OF MOBILE PHONE, ELECTRONICS INSTRUMENT, ANY TYPE OF PAGER INTO THE EXAMINATION HALL.

The centres for the M.Sc.-Semester - II Examination will be as under :

( 1 )	<b>01</b>	—	<b>Ahmedabad</b>	:	(Places will be declared later on.)
( 2 )	<b>22</b>	<b>046</b>	<b>Kalol (NG)</b>	:	46-Shri P.H. Goswami Muni. Arts & Sci. College
( 3 )	<b>70</b>	<b>220</b>	<b>Pipalia</b>	:	220-SKUB Samiti (Dabhoi) Arts & Smt. N.C. Zaveri Commerce College
( 4 )	<b>18</b>	<b>039</b>	<b>Godhra</b>	:	39-Sheth P.T. Arts & Science College
( 5 )	<b>31</b>	<b>011</b>	<b>Nadiad</b>	:	011-C. B. Patel Arts College
( 6 )	<b>23</b>	<b>049</b>	<b>Kapadwanj</b>	:	49-Shah K.S. Arts & V.M. Parekh Com. College
( 7 )	<b>28</b>	<b>118</b>	<b>Mansa</b>	:	Science College
( 8 )	<b>43</b>	—	<b>Gandhinagar</b>	:	(Places will be declared later on.)

The written examination will be conducted in the following order :

<i>Day &amp; Date</i>	<b>M.Sc. Semester - II [Time : 8-30 a.m To 11-00 a.m]</b>
Tuesday, 2nd April, 2019	<b>407 - Physics</b> ( Quantum Mechanics - II & Mathematical Physics - II ) <b>407 - Chemistry</b> ( Inorganic Chemistry ) <b>407 - Botany</b> ( Cytology and Molecular Techniques ) <b>407 - Zoology</b> ( Genetics ) <b>407 - Geology</b> (Crystallography) <b>407 - Microbiology</b> (Immunology) (Old) <b>407 - Microbiology</b> (Fermentation Technology) (New) <b>407 - Mathematics</b> ( Differential Geometry - I) (Old) <b>407 - Mathematics</b> ( Metric Spaces) (New) <b>407 - Statistics</b> ( Reliability and Life Testing and Bayes Estimation ) <b>407 - Life Sciences</b> ( Principles of Plant Sciences) (Old) <b>407 - Life Sciences</b> ( Principles of Plant Sciences and Ecology) (New) <b>407 - Environmental Science</b> (Environmental Chemistry (Basic)) (Old) <b>407 - Environmental Science</b> Water Quality Waste Water Tr. (New) <b>407 - Bio-Chemistry</b> ( Plant Biochemistry) (Old) <b>407 - Bio-Chemistry</b> ( Plant & Environmental Biochemistry) (New) <b>407 - Bio-Medical Technology</b> (Clinical Biochemistry & Serology-II) <b>407 - Bio-Technology</b> (Biochemical Engineering and Bioinformatics) (Old) <b>407 - Bio-Technology</b> (Applied Microbiology) (New) <b>404 - Bio-Technology (Integrated)</b> (Biostatistics & Bioinformatics) <b>407 - Human Genetics</b> (Molecular Biology) <b>407 - Bio-Informatics</b> (Cytology) <b>407 - Electronics Sciences</b> ( Microwaves-I and Instrumentation-I ) <b>407 - Food Sciences &amp; Nutrition</b> (Nutrition and Fitness) (Old) <b>407 - Food Sciences &amp; Nutrition</b> (Nutrition for Fitness and Life Cycle) (New) <b>407 - Climate Change</b> (Effects of Climate Change) <b>407 - Forensic Science 407 -Toxicology</b> -Molecular Toxicology & Toxicogenomics <b>407 - CB</b> : Cytogenetics-II <b>407 - CHEP</b> : Polymer Structure Properties & Relationship <b>407 - Computer Science</b> (Data Warehousing and Data Mining) <b>407 - Horticulture</b> (Ornamental Horticulture) (Old) <b>407 - Horticulture</b> (HSGM-Garden-Designing and Landscaping) (New) <b>MSMAP 201</b> : Basic Android for Mobile <b>MAN</b> : Storytelling - Script Writing Story Boarding & Development <b>MSCCR 201</b> : <b>Clinical Research</b> - Pharma-Medicine & Clinical Research (Module-IV) <b>Geoinformatics GIN-407</b> : Photogrammetry and Digital Image Processing

**M.Sc. Sem -II-[2]**

<i>Day &amp; Date</i>	<b>M.Sc. Semester - II [ Time : 8-30 a.m To 11-00 a.m]</b>
Wednesday, 3rd April, 2019	<b>408 - Physics</b> ( Classical Mechanics - II, Electrodynamics and Plasma Physics ) <b>408 - Chemistry</b> ( Organic Chemistry ) <b>408 - Botany</b> ( Plant Ecology ) <b>408 - Zoology</b> ( Radiation Biology and Bio-Statistics ) <b>408 - Geology</b> (Stratigraphy and Micropalaeontology) <b>408 - Microbiology</b> (Molecular Biology and Genetic Engineering) (Old) <b>408 - Microbiology</b> (Gene Regulation and Recombinant DNA Technology) (New) <b>408 - Mathematics</b> ( Algebra-I ) (Old) <b>408 - Mathematics</b> (Real Analysis) (New) <b>408 - Statistics</b> ( Distribution Theory ) <b>408 - Life Sciences</b> ( Mammalian Physiology ) (Old & New) <b>408 - Environmental Science</b> (Environmental Health & Safty) (Old) <b>408 - Environmental Science</b> (Integrated Solid Waste Management) (New) <b>408 - Bio-Chemistry</b> (Nutritional Biochemistry) (Old) <b>408 - Bio-Chemistry</b> (Human Physiology) (New) <b>408 - Bio-Medical Technology</b> ( Toxicology) <b>408 - Bio-Technology</b> (Molecular Biology and Genetic Engineering) (Old) <b>408 - Bio-Technology</b> (Gene Regulation and Recombinant DNA Technology) (New) <b>405 - Bio-Technology (Integrated)</b> (Genetics Engineering) <b>408 - Human Genetics</b> ( Bioinformatics & Biostatistics) <b>408 - Bio-informatics</b> ( Algorithms and Data Structure) <b>408 - Electronics Sciences</b> ( Microprocessor-II and Programming in C Language ) <b>408 - Food Sciences &amp; Nutrition</b> ( Nutritional Physiology ) (Old & New) <b>408 - Climate Change</b> ( Tools and Techniques for impects Assessment) <b>408 - Forensic Science</b> <b>408 - Toxicology-Biochemical &amp; Immunotoxicology</b> <b>408 - CB - Cellular and Molecular Basis of Cancer-II</b> <b>408 - CHEP</b> :Molecular Motion in Polymers <b>408 - Computer Science</b> (Python Programming) <b>408 - Horticulture</b> (Green House Technology) (Old) <b>408 - Horticulture</b> (HSGM-Propagation Methods) (New) <b>MSMAP 202</b> : Advanced Web-Technology <b>MSCCR 202 : Clinical Research - Regulations in Clinical Research (Module-V)</b> <b>Geoinformatics GIN-408</b> : Special Database and Modeling

**M.Sc. Sem -II-[3]**

<i>Day &amp; Date</i>	<b>M.Sc. Semester - II [Time : 8-30 a.m To 11-00 a.m]</b>
Thursday, 4th April, 2019	<p><b>409 - Physics</b> (Solid State Properties and Physics of Semiconductor )</p> <p><b>409 - Chemistry</b> ( Physical Chemistry )</p> <p><b>409 - Botany</b> ( Plant Physiology )</p> <p><b>409 - Zoology</b> ( Immunology and Toxicology )</p> <p><b>409 - Geology</b> (Indian Stratigraphy)</p> <p><b>409 - Microbiology</b> (Bioprocess and Biochemical Engineering) (Old)</p> <p><b>409 - Microbiology</b> (Tools and Techniques in Synthetic Microbiology) (New)</p> <p><b>409 - Mathematics</b> ( Complex Analysis-II ) (Old)</p> <p><b>409 - Mathematics</b> ( Complex Analysis-II ) (New)</p> <p><b>409 - Statistics</b> ( Mathematical Programming )</p> <p><b>409 - Life Sciences</b> (Ethology and Evolution) (Old)</p> <p><b>409 - Life Sciences</b> (Ethology, Evolution and Toxicology) (New)</p> <p><b>409 - Environmental Science</b> (Aquatic Environmental Chemistry) (Old)</p> <p><b>409 - Environmental Science</b> (Aquatic &amp; Marine Environmental Chemistry) (New)</p> <p><b>409 - BioChemistry</b> (Advanced Enzymology) (Old &amp; New)</p> <p><b>409 - Bio-Medical Technology</b> ( Clinical Pathology)</p> <p><b>409 - Bio-Technology</b> (Bioprocess Technology) (Old)</p> <p><b>409 - Bio-Technology</b> (Tools and Techniques in Synthetic Biology) (New)</p> <p><b>409 - Bio-Technology (Integrated)</b> (Animal Biotechnology)</p> <p><b>409 - Human Genetics</b> (Immunotechnology)</p> <p><b>409 - Bio-informatics</b> ( Database Management System (DBMS)</p> <p><b>409 - Electronics Sciences</b> ( Microcontroller-I, Power &amp; Indu. Electronics - I )</p> <p><b>409 - Food Sciences &amp; Nutrition</b> ( Food Production, Development &amp; Marketing ) (Old &amp; New)</p> <p><b>409 - Climate Change</b> (Policy and Legislations National and International Scenarios)</p> <p><b>409 - Forensic Science</b></p> <p><b>409 - Toxicology</b>-Environmental &amp; Forensic Toxicology</p> <p><b>409 - CB</b> - Stem Cell and Regenerative Medicine</p> <p><b>409 - CHEP</b> : Analysis and Characterization of Polymers</p> <p><b>409 - Computer Science</b> (Information Security)</p> <p><b>409 - Horticulture</b> (Floriculture) (Old)</p> <p><b>409 - Horticulture</b> (HSGM-Post-harvest Technology) (New)</p> <p><b>MSMAP 203</b> : Elective-I</p> <p><b>MSCCR 203 : Clinical Research</b> - Clinical Research Operations Management (Module-VI)</p> <p><b>Geoinformatics GIN-409</b> : Special Analysis and Statistical Methods</p>

**M.Sc. Sem -II-[4]**

<i>Day &amp; Date</i>	<b>M.Sc. Semester - II [Time : 8-30 a.m To 11-00 a.m]</b>
Friday, 5th April, 2019	<p><b>410 - Physics</b> ( Remote Sensing and Electronics-II )</p> <p><b>410 - Chemistry</b> ( Analytical Chemistry )</p> <p><b>410 - Botany</b> ( Plant Breeding and Horticulture )</p> <p><b>410 - Zoology</b> ( Animal Behaviour and Evolutionary Biology )</p> <p><b>410 - Geology</b> (Remote Sensing, GIS, Geomorphology)</p> <p><b>410 - Microbiology</b> (Microbial Technology-I) (Old)</p> <p><b>410E - Microbiology</b> (Advances in Microbial Technology) (New)</p> <p><b>410 - Mathematics</b> (Partial Differential Equation) (Old)</p> <p><b>410 - Mathematics</b> (Partial Differential Equation) (New)</p> <p><b>410 - Statistics</b> ( Computer Programing )</p> <p><b>410 - Life Sciences</b> ( Food Sciences and Food Microbiology ) (Old &amp; New)</p> <p><b>410 - Environmental Science</b> (Soil : Chemistry and Analysis) (Old)</p> <p><b>410 - Environmental Science</b> (Air Pollution Quality &amp; Control (New)</p> <p><b>410 - BioChemistry</b> ( Human Physiology) (Old)</p> <p><b>410 - BioChemistry</b> (Nutrition and Clinical Biochemistry) (New)</p> <p><b>410 - Bio-Medical Technology</b> (Gen. Microbiology)</p> <p><b>410E - Bio-Technology</b> (Microbial Technology) (Old)</p> <p><b>410E - Bio-Technology</b> (Advances in Microbial Technology) (New)</p> <p><b>410 - Human Genetics</b> (Genetic Counseling &amp; Management)</p> <p><b>410 - Bio-informatics</b> (Java and Advanced Java )</p> <p><b>410 - Electronics Sciences</b> ( Optoelectronics and Digital Signal Processing - I )</p> <p><b>410 - Food Sciences &amp; Nutrition</b> ( Food Science and Food Microbiology) (Old &amp; New)</p> <p><b>410 - Climate Change</b> (Future Climate Scenarios)</p> <p><b>410 - Forensic Science</b> <b>410 - Toxicology</b>-Biostatistics &amp; Computational Toxicology</p> <p><b>410 - IT-IMS : ITIL</b></p> <p><b>410 - CB - Basic Immunology</b></p> <p><b>410 - CHEP</b> : Inorganic And Organometalic Polymers</p> <p><b>410 - Computer Science</b> (Smart Device Computing using Android)</p> <p><b>410 - Horticulture</b> (Plant Protection) (Old)</p> <p><b>410 - Horticulture</b> (HSGM-Floriculture) (New)</p> <p><b>MSMAP 204</b> : Basic iPhone Application Development</p> <p><b>Geoinformatics GIN-410</b> : Research Methodology and Project Management</p>
Monday, 8th April, 2019	<p><b>411 - Mathematics</b> ( Real Analysis ) (Old)</p> <p><b>411 - CHEP</b> : Latex and Foam Technology</p> <p><b>411 - Computer Science</b> (Advance Computing Technology)</p>

No Old Course is available in any of the subjects except it is specifically provided in the Programme.

The Practical Examinations will take place before the Theory Examination. Viva-Examination for Mathematics will also take place before the conclusion of theory examination. Due notice will be given by the Examiners (on the University Notice Board) of the dates, time and places of Practical and Viva examinations and the order in which candidates are to present themselves. *Candidates are directed to be present at the time and place appointed for their practical examinations. Those who fail to present themselves at the appointed time and place will not be examined in the practical afterwards.*

The use of calculator is allowed, but programmable calculator is not allowed in the Programme.

By order,

Ahmedabad-380 009

**March 11, 2019**

*for* Controller of Examinations