

UNIVERSITY OF PUNE



Examination Circular No. 78 of 2014

PROGRAMME OF M.SC. CHEMISTRY SEM. I TO IV (2008 Pattern) & CREDIT SYSTEM (2013 Pattern) EXAMINATIONS, MAY, 2014

INSTRUCTIONS FOR CANDIDATES

- 1. Candidates are required to be present at the Respective College of examination fifteen minutes before the time fixed for the first paper and ten minutes before the time of each subsequent paper. (As per Circular No 128/2013 Dated 10.10.2013)**
- 2. Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.**
- 3. Candidates are requested to see the Notice-Board at their place of examination regularly for changes if any, that may be notified later in the programme.**
- 4. No request for any special concession such as change in time or any day fixed for the University examination , on religious or any other ground shall be granted.**
- 5. The Use of non-programmable Calculator is permitted.**
- 6. The Examination of Candidates of University Post-Graduate Dept. having credit system will be held at their Respective Departments.**

The written Examination will be conducted in the following order :

M.Sc. CHEMISTRY

DAY & DATE	SEMESTER – I TIME : 11:00 A.M.TO 2:00 P.M.
Tuesday, 06.05.2014	CH-110 :- Physical Chemistry –I (2008 Pattern) CHP-110: Fundamentals of Physical Chemistry(2013 Pattern)
Wednesday, 07.05.2014	CH-130 : Inorganic Chemistry-I (2008 Pattern) CHI-130: Molecular Symmetry & Chemistry of p-block elements (2013 Pattern)
Friday, 09.05.2014	CH-150 : Org. Reaction Mecha & Stereochem (2008 Pattern) CHO-150: Basic organic chemistry (2013 Pattern)
DAY & DATE	SEMESTER – II TIME : 11:00 A.M.TO 2:00 P.M.
Saturday, 10.05.2014	CH-210 : Physical Chemistry - II (2008 Pattern) CHP-210: Fundamentals of Physical Chemistry II (2013 Pattern)
Monday, 12.05.2014	CH-230 : Inorganic Chemistry- II (2008 Pattern) CHO-230: Coordination and Bioinorganic Chemistry (2013 Pattern)
Tuesday, 13.05.2014	CH-250 : Synthetic Organic Chemistry & Spectroscopy (2008 Pattern) CHO-250: Synthetic Organic Chemistry and Spectroscopy (2013 Pattern)
Thursday, 15.05.2014	CHA-290: General Chemistry

PHYSICAL CHEMISTRY

DAY & DATE	SEMESTER – III TIME : 3:00 P.M. TO 6:00 P.M.
Tuesday, 06.05.2014	CH-310 :Quantum Chemistry & Solid State chemistry
Wednesday, 07.05.2014	CH-311 : Nuclear & Radiation Chemistry
Thursday, 08.05.2014	CH-312 : Advanced Instrumental Methods of Analysis
Friday, 09.05.2014	OPTIONAL COURSES CH-314 : Polymer Chemistry CH-315 : Special Topics in Physical Chemistry CH-316 : Environmental Chemistry (Old)
DAY & DATE	SEMESTER - IV TIME : 3:00 P.M. TO 6:00 P.M.
Saturday, 10.05.2014	CH-410 : Molecular Structure & Spectroscopy
Monday, 12.05.2014	CH-411 : Surface & Electrochemistry
Tuesday, 13.05.2014	OPTIONAL COURSES CH-414 : Biophysical Chemistry & Related Techniques CH-415 : Special Topics in Nuclear Radiation Chem. CH-416 : Special Topics in Physical Chemistry(Old)

INORGANIC CHEMISTRY

DAY & DATE	SEMESTER – III TIME : 3:00 P.M. TO 6:00 P.M
Tuesday, 06.05.2014	CH-330: Coordination Chemistry Magnetism Reaction Mechanism
Wednesday, 07.05.2014	CH-331 : Structural Methods in Inorganic Chemistry
Thursday, 08.05.2014	CH-332 : Bioinorganic Chemistry Inorganic Elem in Chem. of life
Friday, 09.05.2013	CH-326 : Organ metallic Compounds of Transition Metals & Homogeneous Catalysis
DAY & DATE	SEMESTER - IV TIME : 3:00 P.M. TO 6:00 P.M.
Saturday, 10.05.2014	CH-430 : Inorganic Solids & Heterogeneous Catalysis
Monday, 12.05.2014	CH-431 : Materials Science
Tuesday, 13.05.2014	CH-445: Inorganic Applications in Industry Biotech & Envi.Chem.

ORGANIC CHEMISTRY

DAY & DATE	SEMESTER – III TIME : 3:00 P.M. TO 6:00 P.M.
Tuesday, 06.05.2014	CH-350 : Organic Reaction Mechanism
Wednesday, 07.05.2014	CH-351 : Spectroscopic Methods in Structure Determination
Thursday, 08.05.2014	CH-352 : Organic Stereo chemistry
Friday, 09.05.2013	CH-353 : Pericyclic Reactions free Radicals & Photo Chem.
DAY & DATE	SEMESTER - IV TIME : 3:00 P.M. TO 6:00 P.M.
Saturday, 10.05.2014	CH-450 : Chemistry of Natural Products
Monday, 12.05.2014	CH-451 :Synthetic Methods in Organic Chemistry
Tuesday, 13.05.2014	CH-452: Heterocyclic Chem.Chiron Approach & Medicinal Chemistry

ANALYTICAL CHEMISTRY

DAY & DATE	SEMESTER – III TIME : 3:00 P.M. TO 6:00 P.M
Tuesday, 06.05.2014	CH-390 : Electroanalytical and Current Analytical Methods in Industries
Wednesday, 07.05.2014	CH-391 : Environmental & Analysis of Industrial Materials
Thursday, 08.05.2014	CH-392 : Advanced Analytical Techniques
Friday, 09.05.2014	OPTIONAL COURSES CH-380 : Pharmaceutical Analysis CH-381 : Medicinal Chemistry
DAY & DATE	SEMESTER - IV TIME : 3:00 P.M. TO 6:00 P.M.
Saturday, 10.05.2014	CH-481 : Bionalytical & Forensic Science
Monday, 12.05.2014	CH-490 : Analytical Spectroscopy
Tuesday, 13.05.2014	CH-491 : Polymer Technology

BIO- CHEMISTRY

DAY & DATE	SEMESTER – I TIME : 11:00 A.M. TO 2:00 P.M.
Tuesday, 06.05.2014	BCH-170 : Biomolecules (2008 & 2010 Pattern) BCH -170 Biomolecules (2013 Pattern)
Wednesday, 07.05.2014	BCH- 171 : Enzymology and Biophysiological Tech. (2008 & 2010 Pattern) BCH -171 : Enzymology and Biophysical Techniques (2013 Pattern)
Thursday, 08.05.2014	BCH- 172 : Cell Biochemistry (2008 Pattern) BCH-172 : Microbiology and Cell Biochemistry of Eukaryotes (2010 Pattern) BCH-172 :Microbiology and Cell Biology (2013 Pattern)
DAY & DATE	SEMESTER – II TIME : 11:00 A.M. TO 2:00 P.M.
Saturday, 10.05.2014	BCH 270 : Bioenergetics and Metabolism (2008 & 2010 Pattern) BCH -270 Bioenergetics and Metabolism (2013 Pattern)
Monday, 12.05.2014	BCH- 271: Biophysical Techniques (2008 Pattern) BCH-271 : Techniques for Characterization of Biomolecules (2010 Pattern) BCH -271 Techniques in characterization of biomolecules(2013 Pattern)
Tuesday, 13.05.2014	BCH- 273 : Membrane Biochemistry & Nucleic acid (2008 Pattern) BCH-273 : Membrane Biochemistry and Genetics (2010 Pattern)
Thursday 15.05.2014	BCH -272 Biostatistics, Computer and Bioinformatics(2013 Pattern)
DAY & DATE	SEMESTER – III TIME : 3:00 P.M. TO 6:00 P.M
Tuesday, 06.05.2014	BCH 370 : Molecular Biology (2008 & 2010 Pattern)
Wednesday, 07.05.2014	BCH 371: Medical Biochemistry and Immunology (2008 & 2010 Patt.)
Thursday, 08.05.2014	BCH -372: Signal transduction pathways (2008 Pattern) BCH- 372 : Neurochemistry(2010 Pattern)
Friday, 09.05.2013	BCH-373 : Biochemical Toxicology (2010 Pattern) <u>Optional Courses</u> BCH-373 : Recent trends in Biochemistry and Toxicology (2008 Pattern) BCH 374 : Developmental Biology and Molecular Evolution (2008 Pattern) BCH-375 : Nutrition and Clinical Nutrition (2008 Pattern)
DAY & DATE	SEMESTER - IV TIME : 3:00 P.M. TO 6:00 P.M.
Saturday, 10.05.2014	BCH -470 : Biochemical Endocrinology and Tissue Culture(2008 Pattern) BCH- 470 : Biochemical Endocrinology and Plant Biochemistry(2010 Pattern)
Monday, 12.05.2014	BCH-471 : Fermentation and Enzyme Technology and Food Techn. (2008 Pattrn) BCH-471 : Fermentation Technology and Food Technology (2010 Pattern) BCH-474 : Genomics and Biotechnology (Optional Course) (2008 Pattern)
Tuesday, 13.05.2014	BCH- 472 : Genetic Engineering (2008 Pattern & 2010 Pattern)
Thursday, 15.05.2014	<u>Optional Courses- Any One (2010 Pattern)</u> BCH-473 : Nutition and Clinical Nutrition BCH-474 : Developmental Biology and Molecular Evolution

1. The Practical examination will be conducted before theory examination. Due notice will be given by the examiners about the place, date and time of the Practical examination on the Notice Board. Candidates are directed to be present at the time & place of their practical examination.

Ganeshkhind,
Pune-411 007
Ref. No. XCT/Sci/ 265
Date :12.04.2014.

Dr.V.B.Gaikwad
Controller of Examinations