

UNIVERSITY OF PUNE



Examination Circular No. 47 of 2012

Revised Programme of M.Sc. Chemistry Sem. I to IV Examinations, May, 2012

1. Candidates are required to be present at the respective place of examination fifteen minutes before the time fixed for the first paper and ten minutes before the time of each subsequent paper.
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.**
7. The centres and places of the examination will be as follows :

CENTRES

PLACES

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| 1. Pune : | N. Wadia College of Arts & Science, Pune-411 001.(Candidates of B.R. Gholap Arts Sci. & Comm. College, Sangavi,Pune-27 also) |
| 2. Akurdi : | Prof. Ramkrishna More Arts, Commerce & Science College, Akurdi (Candidates of Mahatma Phule College, Pimpri also) |
| 3. Baramati : | T.C. College, Baramati (Candidates of (1)Vidyapratishtan's College of Arts Sci. & Comm.Baramati. (2) Arts, Sci. & Comm.College, , Indapur, Dist – Pune (3) Shardabai Pawar Mahila Mahavidyalaya Malegaon (BK) also) |
| 4. Hadapsar : | Annasaheb Magar Arts, Sci. & Comm. College, Hadapsar (Candidates of (1)Waghire College, Saswad. also) |
| 5. Wagholi, | Bharateeya Jain Sanghatan's Arts, Commerce & Science College, Wagholi, Pune-412 207. |
| 6. Rajgurunagar | Hutatma Rajgurunagar College, Rajgurunagar, Tal – Khed, Dist – Pune |
| 7. Narayangaon | Arts, Commerce & Science College, Narayangaon, Dist – Pune .(Annasaheb Awate College, Manchar, Tal.-Ambegaon, Dist-Pune also) |
| 8. Otur | Annasaheb Waghire College of Arts, Science & Commerce, Otur, Tal Junnar, Dist.- Pune-412 409. |
| 9. Shirur : | C.T.Bora College of Arts Sci.. & Comm., Shirur Dist-Pune. |
| 10. Bhor | Anantrao Thopte College, Bhor, Dist.-Pune 412 206. |

CENTRES

PLACES

11. **Ahmednagar:** Radhabai Kale Mahila Mahavidyalaya Ahmednagar
12. **Parner :** New Arts Sci. & Comm. College, Parner, Dist-Ahmednagar
13. **Pathardi :** P.V.M's Baburavji Avhad Arts, Sci. & Comm.College, Pathardi (**Candidates of Shri.Anand College, Pathardi, Dist – Ahmednagar also**)
14. **Shevgaon :** New Arts, Science & Commerce College, Shevgaon, Dist – Ahmednagar .
15. **Shrigonda :** Rayat Shikshan Sanstha's M..J.Shinde College, Shrigonda,Dist- Ahmednagar (**Candidates of Chhatrapati Shivaji College of Arts Comm. & Sci.College, Shrigonda also**)
16. **Karjat :** Rayat Shikshan Sanstha's Dada Patil Mahavidyalaya, Karjat, Dist. Ahmednagar
17. **Kopargaon :** S.S.G.M. College, Kopargaon (**Candidates of K.J.Sommaya Arts Comm. & Science Kopargaon also**)
18. **Pravaranagar** P.V.P. Arts, Science & Commerce College, Loni, (Pravaranagar) (**Candidates of (1) Pravra Rural Society's College of Arts, Sci. & Comm. Rahata, Dist.-Ahmednagar.(2) Pravra Rural Society's College of Arts, Sci, & Comm.Satral,Tal.-Rahuri, Dist.-Ahmednagar also**)
19. **Shrirampur :** R.B.N.B. Arts & Science College, Shrirampur., Dist.-Ahmednagar.
20. **Sonai :** Mula Education Society's Arts Sci. & Com. College, Sonai, Tal-.Newasa, Dist-Ahmednagar
21. **Sangamner :** S.N.Arts, D.J.M.Commerce & B.N.S. Science College, Sangamner.Dist-Ahmednagar.
22. **Akole :** Agasti Arts, Commerce & Dadasaheb Rupwate Sci. College, Akole, Tal-Akole, Dist-Ahmednagar
23. **Nasik :** K.T.H.M. College, Nasik. (**Candidates of (1) L.V.H. College, Panchavati, Nasik. (2)K.S.K.W.Arts Sci. & Com.College, CIDCO, Nasik-422008. (3) H.P.T. Arts & R.Y.K.Sci.College, Nasik . (4) Arts Sci. & Commerce College, Canada Corner, Nasik-422002 & R.N.C.Arts J.D.B.Comm. & N.S.C.Sci. College, Nasik Road & K.K.wagh Arts Sci. & Comm.College,Pimpalgaon -Baswant also**)
24. **Malegaon :** M.S.G. Arts, Science & Commerce College, Malegaon Camp.
25. **Satana :** Arts, Science & Commerce College, Satana
26. **Nampur :** Arts Sci.& Comm.College,Nampur,Dist-Nasik
27. **Sinner :** Arts, Sci, & Com. College, Sinnar
28. **Silvassa :** S.S.R.College of Arts,Com. & Sci, Silvassa

8. The written Examination will be conducted in the following order :

Day & Date	SUBJECT TIME : 11.00 A.M.. TO 2.00 P.M. SEMESTER-I	SUBJECT TIME : 3.00 P.M. TO 6.00 P.M. SEMESTER-III
Thursday, 03.05.2012	CH-110 : Physical Chemistry-I BCH-170 : Biomolecules (2008 & 2010 Patt.)	<u>Physical Chemistry</u> CH-310: Quantum Chemistry and Solid Statechemistry <u>Inorganic Chemistry</u> CH-330:: Coordination Chemistry, Magnetism & Reaction Mechanism <u>Organic Chemistry</u> CH -350: Organic Reaction Mechanism <u>Biochemistry</u> BCH 370 : Molecular Biology (2008 & 2010 Patt.) <u>Analytical Chemistry</u> CH-390 : Electroanalytical and Current Analytical Methods in Industries
Friday, 04.05.2012	CH-130 : Inorganic Chemistry-I BCH- 171 : Enzymology and Biophysiological Tech. (2008 & 2010 Patt.) BCH -171: Enzymology and Genetics (2004 Pattern No Equivalence to be contd..(Old)	<u>Physical Chemistry</u> CH-311 : Nuclear and Radiation Chemistry <u>Inorganic Chemistry</u> CH-331: Structural Methods in Inorganic Chemistry <u>Organic Chemistry</u> CH -351: Spectroscopic Methods in Structure Determination <u>Biochemistry</u> BCH 371: Medical Biochemistry and Immunology (2008 & 2010 Patt.) <u>Analytical Chemistry</u> CH-391 : Environmental and Analysis of Industrial Materials
Saturday, 05.05.2012	BCH- 172 : Cell Biochemistry (2008 Patt) BCH-172 : Microbiology and Cell Biochemistry of Eukaryotes (2010 Patt.)	<u>Physical Chemistry</u> CH-312: Advanced Instrumental Methods of Analysis <u>Inorganic Chemistry</u> CH-332 : Bioinorganic Chemistry: Inorganic Elements in the Chemistry of Life <u>Organic Chemistry</u> CH -352: Organic Stereo chemistry <u>Biochemistry</u> BCH-372 : Membrane Biochemistry and Specialized Tissues(2004 No equvi) BCH -372: Signal transduction pathways (2008 Patt.) BCH-372 : Neurochemistry(2010 Patt.) <u>Analytical Chemistry</u> CH-392 : Advanced Analytical Techniques

Day & Date	SUBJECT TIME : 11.00 A.M.. TO 2.00 P.M. SEMESTER-I	SUBJECT TIME : 3.00 P.M. TO 6.00 P.M. SEMESTER-III
Monday, 07.05.2012	CH-150 : Organic Reaction Mechanism & Stereo Chemistry	<p><u>Physical Chemistry</u> CH-314: Polymer Chemistry CH-315: Special topics in Physical Chemistry CH-316 : Environmental Chemistry(Old)</p> <p><u>Inorganic Chemistry</u> CH-326 : Organometallic compounds of Transition metals & Homogeneous catalysis</p> <p><u>Organic Chemistry</u> CH - 353: Free radicals Photochemistry .Pericyclic Reactions And Their Applications</p> <p><u>Biochemistry</u></p> <p>BCH-373-Biochemical Toxicology (2008 & 2010 Patt.)</p> <p>BCH-373 : Recent trends in Biochemistry and Taxicology(2004 Patt.) OR BCH-375 : Neurochemistry and Clinical Nutrition (2004 Pattern)</p> <p>BCH-374 : Developmental Biology and Molecular Evolution(2004 Patt.) OR BCH-374 : Developmental Biology and Molecular Evolution(2004 Patt.) BCH-375 : Nutrition and Clinical Nutrition (2008 Patt.)</p> <p><u>Analytical Chemistry</u> CH-380 : Pharmaceutical Analysis CH-381 : Medicinal Chemistry</p>

Day & Date	SUBJECT SEMESTER-II TIME : 11.00 A.M. TO 2.00 P.M.	SUBJECT SEMESTER-IV TIME : 3.00 P.M. TO 6.00 P.M.
Tuesday, 08.05.2012	CH-210 : Physical Chemistry-II BCH 270 : Bioenergetics and Metabolism (2008 & 2010 Pattern)	<p><u>Physical Chemistry</u> CH-410 Molecular Structure and Spectroscopy</p> <p><u>Inorganic Chemistry</u> CH-430 : Inorganic Solids & Heterogeneous catalysis</p> <p><u>Organic Chemistry</u> CH-450 : Chemistry of Natural Product</p> <p><u>Biochemistry</u> BCH -470 : Biochemical Endocrinology and Tissue Culture(2004 & 2008 Pattern) BCH- 470 : Biochemical Endocrinology and Plant Biochemistry(2010 Pattern)</p> <p><u>Analytical Chemistry</u> CH-481 : Bioanalytical and Forensic Science</p>
Friday, 11.05.2012	CH-230 : Inorganic Chemistry –II BCH- 271:Biophysical Techniques(2008 Patt.) BCH-271 :Techniques for Characterization of Biomolecules(2010 Patt.)	<p><u>Physical Chemistry</u> CH-411 : Surface and Electrochemistry</p> <p><u>Inorganic Chemistry</u> CH-431: Materials Science</p> <p><u>Organic Chemistry</u> CH-451 : Synthetic Methods in Organic Chemistry(New)</p> <p><u>Biochemistry</u> BCH-471 : Fermentation and Enzyme Technology and Food Technology (2008 Pattern) BCH-471 : Fermentation Technology and Food Technology (2010 Pattern)</p> <p>BCH-473 : Fermentation & Enzyme Tech. and Food Tech.(2004 Pattern) BCH-474 : Genomics and Biotechnology (2004 & 2008 Pattern)</p> <p><u>Analytical Chemistry</u> CH-490 : Analytical Spectroscopy</p>

Day & Date	SUBJECT SEMESTER-II TIME : 11.00 A.M. TO 2.00 P.M.	SUBJECT SEMESTER-IV TIME : 3.00 P.M. TO 6.00 P.M.
Saturday, 12.05.2012	CH-250 : Synthetic Organic Chemistry & Spectroscopy BCH-272 : Nutrition & Physiological Biochemistry (2004 Pattern No Equivalence to be contd..) BCH-272-Biostatistics, Bioinformatics and Physiological Biochemistry(2010 Patt.)	<u>Inorganic Chemistry</u> CH-445 : Inorganic Applications in Industry, Biotechnology & Environmental Chemistry <u>Organic Chemistry</u> CH-452 : Heterocyclic Chemistry , Chiron Approach & Medicinal Chemistry <u>Biochemistry</u> BCH- 472 : Genetic Engineering (2008 Pattern & 2010 Pattern) <u>Analytical Chemistry</u> CH-491 : Polymer Technology <u>Optional Courses(2008 Pattern)</u> CH-414 : Biophysical Chemistry and Related Techniques CH-415 : Special topics in Nuclear Radiation Chemistry CH-416 : Special Topics in Physical Chemistry (Old) (No equivalence)
Monday, 14.05.2012	BCH- 273 : Membrane Biochemistry & Nucleic acid (2008 Pattern) BCH-273 : Membrane Biochemistry and Genetics (2010 Patt.)	<u>Optional Courses-Any One (2010 Pattern)</u> BCH-473 : Nutrition and Clinical Nutrition BCH-474 : Developmental Biology and Molecular Evolution

9. The Practical examination will be conducted before theory examination between 12.04.2012 & 25.04.2012. 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.
10. There is No Equivalence for some subjects under 2004 pattern.

Ganeshkhind,
Pune-411 007
Ref. No. XCT/Sci/547
Date : 02.05.2012.

Dr. C.M. Chitale
Controller of Examinations
(Additional Charge)