

रसायनशास्त्र विभाग,
(स्वायत्त)
मुंबई विद्यापीठ
लोकमान्य टिळक भवन
विद्यानगरी,
मुंबई - ४०० ०९८. (भारत)



DEPARTMENT OF CHEMISTRY
(AUTONOMOUS)
University of Mumbai
Lokmanya Tilak Bhavan,
Vidyanagari,
Mumbai - 400 098. (INDIA)

No. UDC/843/2014

Date: 30th August 2014

LECTURE TIME TABLE
M. Sc. (CREDIT-BASED SEMESTER SYSTEM) COURSE IN CHEMISTRY SEMESTER- I (2014)
Place: Lecture Complex, Room No. 6

Name of the Teacher	Days & Timing	Dates	Paper/Unit/Topic	
Dr. S. D. Pawar	Mondays (8.00 a.m. to 9.00 a.m.) Saturday (8.00 a.m. to 9.00 a.m.)	Sept.: 1, 8, 15, 22, 29 Nov: 10, 17, 24 Sept.: 6	Oct: 13 Dec: 1, 8	<u>CHEM 102</u> Unit IV: Spectroscopic methods
Dr. Shilpee Sachar	Mondays (9.00 a.m. to 10.00 a.m.) Saturday (9.00 a.m. to 10.00 a.m.)	Sept.: 1, 8, 15, 22, 29 Nov: 10, 17, 24 Sept.: 6	Oct: 13 Dec: 1, 8	<u>CHEM 102</u> Unit III: Chemical bonding
Dr. M. M. V. Ramana	Mondays (10.00 a.m. to 11.00 a.m.) Saturday (10.00 a.m. to 11.00 a.m.)	Sept.: 1, 8, 15, 22, 29 Nov: 10, 17, 24 Sept.: 6	Oct: 13 Dec: 1, 8	<u>CHEM 103</u> Unit IV: Spectroscopy
Dr. S. S. Garje	Tuesdays (8.00 a.m. to 9.00 a.m.)	Sept.: 2, 9, 16, 23, 30 Nov: 11, 18, 25	Oct: 7, 14 Dec: 2, 9	<u>CHEM 102</u> Unit I: Inorganic Reaction Mechanisms
Dr. N. G. Shimpi	Tuesdays (9.00 a.m. to 10.00 a.m.)	Sept.: 2, 9, 16, 23, 30 Nov: 11, 18, 25	Oct: 7, 14 Dec: 2, 9	<u>CHEM 101</u> Unit I: Thermodynamics
Mr. R. G. Thorat	Tuesdays (10.00 a.m. to 11.00 a.m.)	Sept.: 2, 9, 16, 23, 30 Nov: 11, 18, 25	Oct: 7, 14 Dec: 2, 9	<u>CHEM 103</u> UNIT 3: Methods of C-C bond formation using the Carbonyl function
Dr. Sudesh T. Manjare	Wednesdays (8.00 a.m. to 9.00 a.m.)	Sept.: 3, 10, 17, 24 Nov: 12, 19, 26	Oct: 1, 8, 15 Dec: 3, 10	<u>CHEM 102</u> Unit II: Organometallic Chemistry
Dr. A. K. Srivastava	Wednesdays (9.00 a.m. to 10.00 a.m.)	Sept.: 3, 10, 17, 24 Nov: 12, 19, 26	Oct: 1, 8, 15 Dec: 3, 10	<u>CHEM 104</u> Unit I: Concepts of Analytical Chemistry 1.1 Concepts of Analytical Chemistry 1.2 :Calculations in analytical chemistry
Mr. B. B. Popatkar	Wednesdays (10.00 a.m. to 11.00 a.m.)	Sept.: 3, 10, 17, 24 Nov: 12, 19, 26	Oct: 1, 8, 15 Dec: 3, 10	<u>CHEM 104</u> Unit II: Atomic and Molecular Spectroscopy 2.1 Molecular ultraviolet and visible absorption spectroscopy, 2.2. Infrared absorption spectroscopy, 2.3 Atomic emission spectroscopy
Dr. M. Karve	Thursdays (8.00 a.m. to 9.00 a.m.) Saturday (8.00 a.m. to 9.00 a.m.)	Sept.: 4, 11, 18, 25 Nov: 13, 20, 27 Sept.: 20	Oct: 9, 16 Dec: 4, 11	<u>CHEM 104</u> Unit III: Separation Methods 3.1. Solvent Extraction, 3.2. Chromatography 3.3 HPTLC
Dr. N. G. Shimpi	Thursdays (9.00 a.m. to 10.00 a.m.) Saturday (9.00 a.m. to 10.00 a.m.)	Sept.: 4, 11, 18, 25 Nov: 13, 20, 27 Sept.: 20	Oct: 9, 16 Dec: 4, 11	<u>CHEM 101</u> Unit I: Thermodynamics
Dr. A. V. Karnik	Thursdays (10.00 a.m. to 11.00 a.m.) Saturday (10.00 a.m. to 11.00 a.m.)	Sept.: 4, 11, 18, 25 Nov: 13, 20, 27 Sept.: 20	Oct: 9, 16 Dec: 4, 11	<u>CHEM 103</u> Unit II: Stereochemistry
Dr. V. R. Ajgaonkar	Thursdays (11.00 a.m. to 12.00 noon) Saturday (11.00 a.m. to 12.00 noon)	Sept.: 4, 11, 18, 25 Nov: 13, 20, 27 Sept.: 20	Oct: 9, 16 Dec: 4, 11	<u>CHEM 101</u> Unit II: Quantum Chemistry

Contd.....

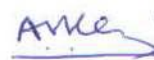
Dr. R. M. Kamble	Fridays (9.00 a.m. to 10.00 a.m.) Saturday (9.00 a.m. to 10.00 a.m.)	Sept.: 5, 12, 19, 26 Nov: 14, 21, 28 Oct.: 4	Oct: 10, 17 Dec: 5, 12	<u>CHEM 104</u> Unit IV: Column Chromatographic Techniques 4.1. Gas Chromatography, 4.2 High Performance Liquid Chromatography (HPLC)
Dr. A. V. Karnik	Fridays (10.00 a.m. to 11.00 a.m.) Saturday (10.00 a.m. to 11.00 a.m.)	Sept.: 5, 12, 19, 26 Nov: 14, 21, 28 Oct.: 4	Oct: 10, 17 Dec: 5, 12	<u>CHEM 103</u> <u>Unit I:</u> 1.1 Acidity – Basicity, 1.2 Non-kinetic Methods of determining reaction mechanism, 1.3 Linear Free Energy Relationships
Dr. V. R. Ajgaonkar	Fridays (11.00 a.m. to 12.00 noon) Saturday (11.00 a.m. to 12.00 noon)	Sept.: 5, 12, 19, 26 Nov: 14, 21, 28 Oct.: 4	Oct: 10, 17 Dec: 5, 12	<u>CHEM 101</u> <u>Unit II:</u> Quantum Chemistry

Lectures will commence from **Monday, 1st September 2014**. All the students should assemble in **Lecture Hall No. 6 of the Lecture Complex at Vidyanagari at 8.00 a.m.**

N.B.: Thursdays and Fridays, 12.30 p. m. to 2.30 p. m. slots are reserved for tutorials. Each paper will have 12 clock hour tutorials.

Mid-Semester Theory Examination: November 1, 3, 5, 7, 2014
End-Semester Practical Examination: December 17, 18, 19, 20, 2014
End-Semester Theory Examination: December 22, 24, 2014; January 8, 10, 2015

Lectures and practicals for Semester-II to begin from January 12, 2015



Date: 30th August 2014

Dr. A. V. Karnik
Professor and Head