



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Chemistry and Analytical Chemistry
Teaching Plan

Timetable Duration : July 2024 to November 2024

Name of the Teacher : **Shri. V. M. Dhumal**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc I	A	Inorganic Chemistry-I	101CHE1101	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I Elements and the periodic Table	10	11/07/2024 To 27/07/2024	Lecture Method and discussion	-
II s and p- Block Elements	10	29/07/2024 To 14/08/2024	Lecture Method and discussion	1
III d- Block Elements d- Block Elements III d- Block Elements	10	20/08/2024 To 10/09/2024	Lecture Method and discussion	-
IV Chemical Bonding & Acid Base Theories	15	11/09/2024 To 23/10/2024	Lecture Method and discussion	1


Teacher


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Name of the Teacher : **Shri. V. M. Dhumal**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc II	A	Chemistry	Inorganic Chemistry	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I Coordination Chemistry-I	10	01/07/2024 To 20/07/2024	Lecture Method and discussion	-
II Coordination Chemistry-II	15	25/07/2024 To 23/08/2024	Lecture Method and discussion	1
III Molecular Orbital Theory	10	24/08/2024 To 14/09/2024	Lecture Method and discussion	-
IV Concept of Hybridisation and VSEPR Theory	10	19/09/2024 To 11/10/2024	Lecture Method and discussion	1


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Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
M.Sc I	A	Inorganic Chemistry-I	601CHE1101	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I Inorganic Reaction Mechanism – I	12	16/07/2024 To 07/08/2024	Lecture Method and discussion	-
II Inorganic Reaction Mechanism – II	11	12/08/2024 To 10/09/2024	Lecture Method and discussion	-
III Spectral properties of metal complexes	11	11/09/2024 To 08/10/2024	Lecture Method and discussion	1
IV Magnetic Properties of metal complexes	11	09/10/2024 To 23/10/2024	Lecture Method and discussion	1

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Teaching Plan

Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Vasant Dhumal**

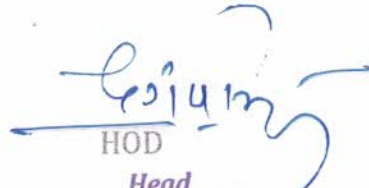
Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc. I (Sem-II)	A	Chemistry	Inorganic Chemistry-II	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I: Principles involved in volumetric Analysis:	10	09/12/2024 To 31/12/2024	Lecture Method and Discussion	1
Unit II: Principles involved in gravimetric analysis	10	01/01/2025 To 22/01/2025	Lecture Method and Discussion	1
Unit III: Chemistry of Noble Gases	10	27/01/2025 To 17/02/2025	Group Discussion	1
Unit IV: Oxidation-Reduction and Corrosion-Passivity	15	18/02/2025 To 26/03/2025	Lecture Method and discussion	1


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Teaching Plan

Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Vasant Dhumal**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc. III (Sem-VI)	A	Physical and Inorganic Chemistry & Organic and Inorganic	U-CHE-667 & U-CHE-668	30

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit – I Metals, Semiconductors and Superconductors	7	06/12/2024 To 27/12/2024	Lecture Method and Discussion	1
Unit – II Molecular orbital theory	10	28/12/2024 To 31/01/2025	Lecture Method and Discussion	1
Unit – III : Colour and Electronic Spectra of Transition Metal	8	01/02/2025 To 28/02/2025	Lecture Method and Discussion	1
Unit-IV: Chemistry of non transition elements	5	08/03/2025 To 29/03/2025	Lecture Method and discussion	1

Dhumal
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Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
M.Sc I (sem-II)	A	Inorganic Chemistry-II	601CHE2101	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I: Bio inorganic Chemistry	11	09/12/2024 To 01/01/2025	Lecture Method and Discussion	1
Unit II: Inorganic Spectroscopy	11	06/01/2025 To 28/01/2025	Lecture Method and Discussion	1
Unit III: Chemistry of Main group elements	12	29/01/2025 To 03/03/2025	Lecture Method and Discussion	1
Unit IV: Organometallics & Solid state Chemistry	11	04/03/2025 To 26/03/2025	Lecture Method and Discussion	1


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