

**Vivekanand College, Kolhapur (Empowered Autonomous)**

## Department of Chemistry

**Syllabus Completion Report 2024-25- : SEM- II, IV and VI**

**Teacher Name: Dr. Mrs. S. D. Shirke, M.Sc.Ph.D.**

<b>Class</b>	<b>Subject</b>	<b>Total Units</b>	<b>Completed Units</b>	<b>Remaining Units</b>
<b>B.Sc. I (Sem- II) NEP</b>	<b>Major and Minor Open Elective</b>	----	No organic Chemistry paper in SEM-II <b>Practicals – As per Syllabus</b>	<b>NIL</b>
<b>B.Sc .II (Sem IV)</b>	<b>Organic Chemistry</b>	<b>01</b>	<ul style="list-style-type: none"> <li>• <b>Amines and Diazonium Salts :</b></li> <li>• <b>Amines-</b> Definition, Classification, Preparation methods, Primary, secondary and Tertiary amines - Chemical reactions</li> <li>• <b>Diazonium Salts-</b>Definition, examples</li> <li>• Preparation of diazonium salts from aromatic amines and HNO<sub>2</sub> Electrophilic Substitution reactions and Sandmeyer's reactions.</li> </ul> <b>Practicals –As per syllabus.</b>	<b>NIL NIL</b>
<b>B.Sc. III (Sem VI)</b>	<b>Organic Chemistry</b>	<b>01</b>	<p><b>Unit I- Natural Products :</b> <b>A) Terpenoids B) Alkaloids</b></p> <p><b>Terpenoids</b> – Introduction, General methods for determination of structure of terpenoid, Extraction, Isolation methods – Analytical and Synthetic evidence of Citral</p> <p><b>Alkaloids</b>-Introduction, Isolation methods for determination of structure of alkaloid, Analytical and Synthetic evidence of Nicotine.</p>	<b>NIL</b>
		<b>02</b>	<p><b>UNIT -II: Electrophilic Addition reactions across carbon carbon double and carbon carbon triple bonds.</b></p> <p>Introduction, structure, mechanism of addition reaction- Addition of Hydrogen,</p>	

			Halogen, halogen acids, ozone, hydroboration, oxidation, hydroxylation etc. across the double and carbon carbon triple bonds.	NIL
	<b>Industrial Chemistry</b>	<b>1</b>	<p><b>UNIT I- Sugar and Jaggary Industry:</b></p> <p>Manufacture of Raw Sugar – Extraction of juice, Clarification, Multiple effect evaporator- Concentration Centrifugation, Drying. Manufacture of White sugar- All steps repeated., Refining of sugar</p> <p>Byproducts of sugar industry</p> <ul style="list-style-type: none"> <li>• Manufacture of Jaggary, Antimicrobial testing of Jaggary</li> </ul> <p><b>Practicals –As per syllabus</b></p>	<p>NIL</p> <p>NIL</p> <p>NIL</p>

S.D. Shirke  
Dr. Mrs. S. D. Shirke

S.D. Shirke  
(Head of Dept.)  
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**Syllabus Completion Report**

**Academic Year – 2024-25**

Sem-I, Sem-III, Sem-V

Department - Chemistry

Name of the Teacher – **Prof. Dr. A. S. Kumbhar**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.II (Major)	<ul style="list-style-type: none"><li>▪ Kinetic Theory of Gases</li><li>▪ Thermodynamics</li></ul>	<ul style="list-style-type: none"><li>▪ Kinetic Theory of Gases</li><li>▪ Thermodynamics</li></ul>	Completed
B.Sc.II (Minor)	<ul style="list-style-type: none"><li>▪ Kinetic Theory of Gases</li><li>▪ Thermodynamics</li></ul>	<ul style="list-style-type: none"><li>▪ Kinetic Theory of Gases</li><li>▪ Thermodynamics</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>▪ Mass Spectroscopy</li><li>▪ EMF</li></ul>	<ul style="list-style-type: none"><li>▪ Mass Spectroscopy</li><li>▪ E.M.F</li></ul>	Completed
M.Sc.I	<ul style="list-style-type: none"><li>▪ Stereochemistry</li></ul>	<ul style="list-style-type: none"><li>▪ Stereochemistry</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>▪ Mass Spectroscopy</li></ul>	<ul style="list-style-type: none"><li>▪ Mass Spectroscopy</li></ul>	Completed



Prof. Dr. A. S. Kumbhar



Prof. Dr. Mrs. S. D. Shirke

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**Syllabus Completion Report**

**Academic Year – 2024-25**

Sem-II, Sem-IV, Sem-VI

Department - Chemistry

Name of the Teacher – **Prof. Dr. A. S. Kumbhar**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.II (Major)	<ul style="list-style-type: none"><li>Carbohydrates</li><li>Amino acids, peptides and proteins</li></ul>	<ul style="list-style-type: none"><li>Carbohydrates</li><li>Amino acids, peptides and proteins</li></ul>	Completed
B.Sc.II (Minor)	<ul style="list-style-type: none"><li>Carbohydrates</li><li>Amino acids, peptides and proteins</li></ul>	<ul style="list-style-type: none"><li>Carbohydrates</li><li>Amino acids, peptides and proteins</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>Reagents</li></ul>	<ul style="list-style-type: none"><li>Reagents</li></ul>	Completed
M.Sc.I	<ul style="list-style-type: none"><li>Photochemistry</li><li>Hydroboration and enamines</li></ul>	<ul style="list-style-type: none"><li>Photochemistry</li><li>Hydroboration and enamines</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>Stereochemistry of fused and bridged ring systems</li><li>Newer Methods of Organic Synthesis</li></ul>	<ul style="list-style-type: none"><li>Stereochemistry of fused and bridged ring systems</li><li>Newer Methods of Organic Synthesis</li></ul>	Completed



**Prof. Dr. A. S. Kumbhar**



rof. Dr. Mrs. S. D. Shirke  
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**Syllabus Completion Report**

**Academic Year – 2024-25**

**Sem-I, Sem-III, Sem-V**

**Department - Chemistry**

**Name of the Teacher – Dr. A. N. Ambhore**

<b>Name of the Class</b>	<b>Units Allotted</b>	<b>Units Completed</b>	<b>Remark</b>
B.Sc.III	<ul style="list-style-type: none"><li>▪ Molecular Spectroscopy</li><li>▪ Molecular Orbital Theory</li><li>▪ IR Spectroscopy</li><li>▪ Potentiometric Chemistry</li></ul>	<ul style="list-style-type: none"><li>▪ Molecular Spectroscopy</li><li>▪ Molecular Orbital Theory</li><li>▪ IR Spectroscopy</li><li>▪ Potentiometric Chemistry</li></ul>	Completed
M.Sc.I	<ul style="list-style-type: none"><li>▪ Reaction Mechanism: Structure and Reactivity</li><li>▪ Elimination Reaction</li></ul>	<ul style="list-style-type: none"><li>▪ Reaction Mechanism: Structure and Reactivity</li><li>▪ Elimination Reaction</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>▪ Study of UV and IR Spectroscopy</li></ul>	<ul style="list-style-type: none"><li>▪ Study of UV and IR Spectroscopy</li></ul>	Completed



**Dr. A. N. Ambhore**



**Prof. Dr. Mrs. S. D. Shirke**  
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**Syllabus Completion Report**

**Academic Year – 2024-25**

**Sem-II, Sem-IV, Sem-VI**

**Department - Chemistry**

**Name of the Teacher – Dr. A. N. Ambhore**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.I (Major)	<ul style="list-style-type: none"><li>▪ Chromatography</li><li>▪ Theory of Titrimetric Analysis</li></ul>	<ul style="list-style-type: none"><li>▪ Methods of determining Reaction Mechanism</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>▪ Manufacturing of Heavy Chemicals</li><li>▪ Manufacturing of Sugar and Jiggery</li></ul>	<ul style="list-style-type: none"><li>▪ Manufacturing of Heavy Chemicals</li><li>▪ Manufacturing of Sugar and Jiggery</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>▪ Methods of determining Reaction Mechanism</li></ul>	<ul style="list-style-type: none"><li>▪ Methods of determining Reaction Mechanism</li></ul>	Completed



**Dr. A. N. Ambhore**



**Prof. Dr. Mrs. S. D. Shirke**

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**Syllabus Completion Report**

Academic Year - 2024-25


Sem-I, Sem-III, Sem-V

Department- Chemistry

Name of the Teacher – **Mr. S. S. Kadam**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.I (Major)	<ul style="list-style-type: none"><li>Fundamentals of Organic Chemistry</li><li>Chemistry of aromatic compounds</li></ul>	<ul style="list-style-type: none"><li>Fundamentals of Organic Chemistry</li><li>Chemistry of aromatic compounds</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>General Safety &amp; Safe Handling of Chemicals</li></ul>	<ul style="list-style-type: none"><li>General Safety and Operational Rules</li><li>Handling and transportation of chemicals</li><li>Waste Management &amp; Disposal</li><li>Housekeeping</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>Introduction to Spectroscopy</li><li>Ultra-Violet (UV) Spectroscopy</li><li>Combined problems based on NMR,IR,UV</li></ul>	<ul style="list-style-type: none"><li>Introduction to Spectroscopy</li><li>Ultra-Violet (UV) Spectroscopy</li><li>Combined problems based on NMR,IR,UV</li></ul>	Completed
M.Sc.I	<ul style="list-style-type: none"><li>Elimination Reaction &amp; Study of Following reaction</li></ul>	<ul style="list-style-type: none"><li>Elimination Reaction &amp; Study of Following reaction</li></ul>	Completed

  
Mr. S. S. Kadam

  
Dr. Mrs. S. D. Shirke  
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**Syllabus Completion Report**

Academic Year - 2024-25

Sem-II, Sem-IV, Sem-VI

Department- Chemistry

Name of the Teacher – **Mr. S. S. Kadam**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.I (major)	<ul style="list-style-type: none"><li>Thermodynamics</li><li>Properties of liquids</li></ul>	<ul style="list-style-type: none"><li>Thermodynamics</li><li>Properties of liquids</li></ul>	Completed
B.Sc.II	<ul style="list-style-type: none"><li>Carboxylic acids and their derivatives</li><li>Transition Elements</li></ul>	<ul style="list-style-type: none"><li>Carboxylic acids and their derivatives</li><li>Transition Elements</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>Name reactions</li><li>Electrophilic addition to <math>&gt;C=C&lt;</math> and <math>-C\equiv C-</math> bonds</li></ul>	<ul style="list-style-type: none"><li>Name reactions</li><li>Electrophilic addition to <math>&gt;C=C&lt;</math> and <math>-C\equiv C-</math> bonds</li></ul>	Completed
M.Sc.I	<ul style="list-style-type: none"><li>Reduction &amp; Protection of functional group</li></ul>	<ul style="list-style-type: none"><li>Reduction &amp; Protection of functional group</li></ul>	Completed



Mr. S. S. Kadam



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# Vivekanand College, Kolhapur (Empowered Autonomous)

## Syllabus Completion Report

Academic Year – 2024-25

Sem-I, Sem-III, Sem-V

Department - Chemistry

Name of the Teacher – **Dr. S. S. Ankushrao**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc. I	<ul style="list-style-type: none"><li>Chemical Bonding and Molecular structure -Ionic Bonding</li><li>Chemical Bonding and Molecular structure-Valence bond theory (VBT)</li></ul>	<ul style="list-style-type: none"><li>Chemical Bonding and Molecular structure - Ionic Bonding</li><li>Chemical Bonding and Molecular structure-Valence bond theory (VBT)</li></ul>	Completed
B.Sc. I	<ul style="list-style-type: none"><li>Inorganic, Organic &amp; Physical Chemistry Practicals</li></ul>	<ul style="list-style-type: none"><li>Inorganic, Organic &amp; Physical Chemistry Practicals</li></ul>	Completed
B.Sc. II (Major)	Unit Operations and Unit Processes	Unit Operations and Unit Processes	Completed
B.Sc.II (Minor)	Unit Operations and Unit Processes	Unit Operations and Unit Processes	Completed
B.Sc. III	<ul style="list-style-type: none"><li>Soil &amp; Water Analysis</li><li>Chromatography</li></ul>	<ul style="list-style-type: none"><li>Soil &amp; Water Analysis</li><li>Chromatography</li></ul>	Completed
B.Sc. III SEC	<ul style="list-style-type: none"><li>Introduction to Lab chemicals &amp; its Management</li><li>MSDS &amp; Lab Safety Pictograms</li></ul>	<ul style="list-style-type: none"><li>Introduction to Lab chemicals &amp; its Management</li><li>MSDS &amp; Lab Safety Pictograms</li></ul>	Completed
B.Sc. III	<ul style="list-style-type: none"><li>Inorganic Chemistry Practicals</li></ul>	<ul style="list-style-type: none"><li>Inorganic Chemistry Practicals</li></ul>	Completed
M.Sc. I	<ul style="list-style-type: none"><li>Data Interpretation &amp; Report Writing</li></ul>	<ul style="list-style-type: none"><li>Data Interpretation &amp; Report Writing</li></ul>	Completed
M.Sc. II	<ul style="list-style-type: none"><li>Proton NMR Spectroscopy</li></ul>	<ul style="list-style-type: none"><li>Proton NMR Spectroscopy</li></ul>	Completed



Dr. S. S. Ankushrao



Dr. Mrs. S. D. Shirke

# Vivekanand College, Kolhapur (Empowered Autonomous)

## Syllabus Completion Report

Academic Year: 2024-25

Sem-II, Sem-IV, Sem-VI

Department - Chemistry

Name of the Teacher – **Dr. S. S. Ankushrao**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.I	<ul style="list-style-type: none"><li>Thermodynamics</li><li>Introduction to Analytical Chemistry</li></ul>	<ul style="list-style-type: none"><li>Thermodynamics</li><li>Introduction to Analytical Chemistry</li></ul>	Completed
B.Sc. I	<ul style="list-style-type: none"><li>Inorganic, Organic &amp; Physical Chemistry Practicals</li></ul>	<ul style="list-style-type: none"><li>Inorganic, Organic &amp; Physical Chemistry Practicals</li></ul>	Completed
B.Sc. II (Major)	<ul style="list-style-type: none"><li>Crystal Field Theory</li></ul>	<ul style="list-style-type: none"><li>Crystal Field Theory</li></ul>	Completed
B.Sc.II (Minor)	<ul style="list-style-type: none"><li>Crystal Field Theory</li></ul>	<ul style="list-style-type: none"><li>Crystal Field Theory</li></ul>	Completed
B.Sc. III	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Nuclear Chemistry</li><li>Bioinorganic Chemistry</li></ul>	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Nuclear Chemistry</li><li>Bioinorganic Chemistry</li></ul>	Completed
B.Sc. III	<ul style="list-style-type: none"><li>Inorganic Chemistry Practicals</li></ul>	<ul style="list-style-type: none"><li>Inorganic Chemistry Practicals</li></ul>	Completed
M.Sc. II	<ul style="list-style-type: none"><li>Pericyclic Reactions</li></ul>	<ul style="list-style-type: none"><li>Pericyclic Reactions</li></ul>	Completed



Dr. S. S. Ankushrao



Dr. Mrs. S. D. Shirke

# Vivekanand College, Kolhapur (Empowered Autonomous)

## Syllabus Completion Report

Academic Year – 2024-25

Sem-II, Sem-IV, Sem-VI

Department- Chemistry

Name of the Teacher – Dr. S. D. Shinde

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc.I	-	-	-
B.Sc.II (Maj+Min)	<ul style="list-style-type: none"><li>Valence Bond Theory [VBT]</li><li>Crystal Field Theory [CFT]</li></ul>	<ul style="list-style-type: none"><li>Valence Bond Theory [VBT]</li><li>Crystal Field Theory [CFT]</li></ul>	Completed
B.Sc.III	<ul style="list-style-type: none"><li>Coordination Chemistry</li><li>Chemistry of f-Block Elements</li></ul>	<ul style="list-style-type: none"><li>Coordination Chemistry</li><li>Chemistry of f-Block Elements</li></ul>	Completed



Dr. S. D. Shinde



Dr. Mrs. S. D. Shirke

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Academic Year - 2024-25

Sem-I, Sem-III, Sem-V

Department- Chemistry

Name of the Teacher – **Dr. A. S. Tapase**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc. I	-	-	-
B.Sc. II	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Electrochemistry II</li></ul>	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Electrochemistry II</li></ul>	Completed
B.Sc. III	<ul style="list-style-type: none"><li>Quantum Theory</li><li>Photochemistry</li></ul>	<ul style="list-style-type: none"><li>Quantum Theory</li><li>Photochemistry</li></ul>	Completed
M.Sc. II (Analytical Chemistry)	<ul style="list-style-type: none"><li>Surface characterization by spectroscopy</li></ul>	<ul style="list-style-type: none"><li>Surface characterization by spectroscopy</li></ul>	Completed



Dr. A. S. Tapase



Dr. Mrs. S. D. Shirke

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**Syllabus Completion Report**

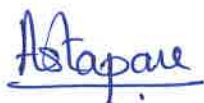
Academic Year - 2024-25

Sem-II, Sem-IV, Sem-VI

Department- Chemistry

Name of the Teacher – **Dr. A. S. Tapase**

Name of the Class	Units Allotted	Units Completed	Remark
B.Sc. I	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Electrochemistry I</li></ul>	<ul style="list-style-type: none"><li>Chemical Kinetics</li><li>Electrochemistry I</li></ul>	Completed
B.Sc. II	-	-	-
B.Sc. III	<ul style="list-style-type: none"><li>Adsorption</li><li>Thermodynamics</li></ul>	<ul style="list-style-type: none"><li>Adsorption</li><li>Thermodynamics</li></ul>	Completed



Dr. A. S. Tapase



Dr. Mrs. S. D. Shirke

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Syllabus Completion Report

Academic Year - 2024-25

Sem-II, Sem-IV,

Department - Chemistry

Name of the Teacher — Mr. A.T. Mane

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<b>Unit I:</b> Chemistry of non-transition elements	<b>Unit I:</b> Chemistry of non-transition elements	Completed
M.Sc.II (Analytical chemistry)	<b>Unit I:</b> Fluorescence and Phosphorescence spectrophotometry <b>Unit II:</b> Spectrochemical Methods of Analysis	<b>Unit I:</b> Fluorescence and Phosphorescence spectrophotometry <b>Unit II:</b> Spectrochemical Methods of Analysis	Completed



Mr. A. T. Mane



Dr. Mrs. S. D. Shirke

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Syllabus Completion Report

Academic Year - 2024-25

Sem-I, Sem-III,

Department - Chemistry

Name of the Teacher — Mr. A.T. Mane

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<b>Unit I:</b> A) Chemistry of transition elements B) Bioinorganic Chemistry	<b>Unit I:</b> A) Chemistry of transition elements B) Bioinorganic Chemistry	Completed
M.Sc.II (Analytical chemistry)	<b>Unit: I</b> A) Drug Analysis B) Analysis of vitamins <b>Unit II:</b> A) Pesticides Analysis B) Forensic Analysis	<b>Unit: I</b> A) Drug Analysis B) Analysis of vitamins <b>Unit II:</b> A) Pesticides Analysis B) Forensic Analysis	Completed



Mr. A. T. Mane



Dr. Mrs. S. D. Shirke

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**Syllabus Completion Report**

Academic Year - 2024-25 M. Sc. Part-I & II (Sem- II & IV)

Department - Chemistry

Name of the Teacher: **Dr. S. D. Kharade**

Name of the Class	Units Allotted	Units Completed	Remark
M. Sc. I Sem-II	1. A) Stereochemistry and bonding in main group compounds	1. A) Stereochemistry and bonding in main group compounds	Completed
	B) Metal-ligand equilibria in solution 2. Thermal Analysis (TGA, DTA, DSC, TMA)	B) Metal-ligand equilibria in solution 2. Thermal Analysis (TGA, DTA, DSC, TMA)	Completed
M. Sc. II Sem IV (Inorganic Chemistry)	1. Food and Food Additive Analysis	1.	Completed
	2. Analysis of Paints, pigments, and petroleum products		Completed
	3. Analysis of soil and fertilizers		Completed

  
**Dr. S. D. Kharade**

  
**Head**  
**Department Of Chemistry**

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**Syllabus Completion Report**

**Academic Year – 2024-25**

**Sem-I, Sem-III**

**Department - Chemistry**

**Name of the Teacher –Dr. A. S. Rajmane**

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<ul style="list-style-type: none"><li>Fundamentals of research Methodology</li><li>Computer Applications</li></ul>	<ul style="list-style-type: none"><li>Fundamentals of research Methodology</li><li>Computer Applications</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>Applications of Following Reagents</li><li>Study of six and seven membered heterocycles containing two or more heteroatoms</li></ul>	<ul style="list-style-type: none"><li>Applications of Following Reagents</li><li>Study of six and seven membered heterocycles containing two or more heteroatoms</li></ul>	Completed

  
**Dr. A. S. Rajmane**

  
**Prof. Dr. Mrs. S. D. Shirke**

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**Syllabus Completion Report**

**Academic Year – 2024-25**


Sem-II, Sem-IV

Department - Chemistry

Name of the Teacher – **Dr. A. S. Rajmane**

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<ul style="list-style-type: none"><li>▪ Oxidizing agents</li><li>▪ Applications in organic synthesis</li></ul>	<ul style="list-style-type: none"><li>▪ Oxidizing agents</li><li>▪ Applications in organic synthesis</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>▪ Terpenoids</li><li>▪ Vitamins</li></ul>	<ul style="list-style-type: none"><li>▪ Terpenoids</li><li>▪ Vitamins</li></ul>	Completed

  
Dr. A. S. Rajmane

  
Prof. Dr. Mrs. S. D. Shirke

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Academic Year - 2024-25

Sem- II, Sem-IV

Department - Chemistry

**Name of the teacher: Miss. S.N. Inamdar**

Name of the class	Units Allotted	Units Completed	Remark
M.Sc. I (Physical & Analytical chemistry)	<ul style="list-style-type: none"><li>• UV and IR spectroscopy</li></ul>	<ul style="list-style-type: none"><li>• UV and IR spectroscopy</li></ul>	Completed
M.Sc. I (Analytical chemistry) Elective	<ul style="list-style-type: none"><li>• Advanced liquid chromatographic techniques</li></ul>	Advanced liquid chromatographic techniques	Completed
M.Sc. II (Analytical chemistry)	<ul style="list-style-type: none"><li>• Analysis of cosmetic product</li></ul>	<ul style="list-style-type: none"><li>• Analysis of cosmetic product</li></ul>	Completed
	<ul style="list-style-type: none"><li>• Kinetic methods of analysis</li></ul>	<ul style="list-style-type: none"><li>• Kinetic methods of analysis</li></ul>	Completed



Miss. S.N. Inamdar



Prof. Dr. S. D. Shirke

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**DEPARTMENT OF CHEMISTRY**  
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**Vivekanand College, Kolhapur**  
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**Syllabus Completion Report**

**Academic Year – 2024-25**


**Sem-III**

**Department - Chemistry**

**Name of the Teacher –Ms. V. S. Rajmane**

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<ul style="list-style-type: none"><li>• Electroanalytical Teacniques</li></ul>	<ul style="list-style-type: none"><li>• Electroanalytical Teacniques</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>• Advanced Instrumentation Techniques-B</li><li>• Ion Selective Electrodes</li><li>• Study of five and six-membered heterocycles containing one heteroatom</li></ul>	<ul style="list-style-type: none"><li>• Advanced Instrumentation Techniques-B</li><li>• Ion Selective Electrodes</li><li>• Study of five and six-membered heterocycles containing one heteroatom</li></ul>	Completed

  
**Ms. V. S. Rajmane**  
**HEAD**  
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**Syllabus Completion Report**

**Academic Year – 2024-25**

**Sem-IV**

**Department - Chemistry**

**Name of the Teacher –Ms. V. S. Rajmane**

Name of the Class	Units Allotted	Units Completed	Remark
M.Sc.I	<ul style="list-style-type: none"><li>• Ion Chromatography</li><li>• Study of following chromatographic techniques</li></ul>	<ul style="list-style-type: none"><li>• Ion Chromatography</li><li>• Study of following chromatographic techniques</li></ul>	Completed
M.Sc.II	<ul style="list-style-type: none"><li>• Kinetic and Thermodynamic Control of Reactions</li><li>• Photoelectron spectroscopy</li><li>• X-ray spectroscopy</li></ul>	<ul style="list-style-type: none"><li>• Kinetic and Thermodynamic Control of Reactions</li><li>• Photoelectron spectroscopy</li><li>• X-ray spectroscopy</li></ul>	Completed

*Rajmane*

Ms.V.S.Rajmane

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*S.D. Shirke*

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**Syllabus Completion Report**


Academic Year - 2024-25

Department - Chemistry

Name of the teacher: Mrs .S.V.Jadhav

Name of the class	Units Allotted	Units Completed	Remark
<b>B.Sc. III</b> <b>(Sem VI)</b>	1) Iron And Steel	1) Iron And Steel	Completed
	2) Fermentation	2) Fermentation	Completed
<b>B.Sc. I</b> <b>(Sem- I and II)</b>	Practicals (As Per Syllabus)	Practicals (As Per Syllabus)	Completed
<b>B.Sc. II</b> <b>(Sem- III and IV)</b>	Practicals (As Per Syllabus)	Practicals (As Per Syllabus)	Completed

  
Mrs. S.V.Jadhav

  
Prof. Dr. S. D. Shirke