

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Chemistry and Analytical Chemistry**  
**Structured Work Plan for Teaching**  
**Academic Year 2022-23 (Term-I)**

**1. Details of Classes to be taught**

Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chandramani Tayade	Analytical Chemistry	B. Sc. I	General Concepts of Analytical Chemistry-I (U-ANC-150)
2		Analytical Chemistry	B. Sc. II	Instrumental Methods of Chemical Analysis – VI (U-ANC-356)
3		Analytical Chemistry	B. Sc. III	Modern Techniques of Chemical Analysis-IX (U-ANC-571)

**2. Summary of Lesson Plan**  
**Program: B.Sc. I (First Semester)**

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit –I Scope and importance of Analytical Chemistry	14/07/22 to 18/08/22	15	Home Assignments, Tutorials, Seminars, ICT	Unit Test Based on first 50% syllabus
2		Unit –II Preliminary operations in Quantitative Analysis	19/08/22 to 10/09/22	10		
3		Unit -III Mole Concepts and Concentration Units	15/09/22 to 20/10/22	15		
4		Unit -IV: Aspects of Coordination compounds in Chemical Analysis	21/10/22 to 05/11/22	5		

  
**Teacher**

  
**HOD**  
**Department of Chemistry,**  
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**PRINCIPAL**  
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3. Summary of Lesson Plan  
Program: B.Sc. II (Third Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Spectroscopic Methods - Visible Spectroscopy	20/06/22 to 20/07/22	15	Home Assignments, Tutorials, Seminars, ICT,	Unit Test Based on first 50% syllabus
2		Unit -II Spectroscopic Methods (AAS & FES)	25/07/22 to 07/09/22	18		
3		Unit -III Electron Microscopy	12/09/22 to 21/09/22	07		
4		Unit -IV: Atomic Force Microscope (AFM)	27/09/22 to 12/10/22	05		

  
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4. Summary of Lesson Plan  
Program: B.Sc. III (Fifth Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Infrared Spectroscopy	20/06/22 to 13/07/22	12	Home Assignments, Tutorials, Seminars, ICT	Unit Test Based on first 50% syllabus
2		Unit -II 1H NMR Spectroscopy	18/07/22 to 17/08/22	13		
3		Unit -III Mass Spectrometry	22/08/22 to 19/09/22	12		
4		Unit -IV Fluorescence Spectroscopy	20/09/22 to 12/10/22	08		

  
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HEAD  
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**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
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**Structured Work Plan for Teaching**  
**Academic Year 2022-23 (Term-II)**

1. **Details of Classes to be taught**

Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chanandramani Tayade	Analytical Chemistry	B. Sc. I	Errors, Statistical Treatment of Analytical Data and Separation Techniques-III (U-ANC-250)
2		Analytical Chemistry	B. Sc. III	Electroanalytical Techniques and Chromatography-XI (U-ANC-671)

2. **Summary of Lesson Plan :**

**Program: B.Sc. I (Second Semester)**

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	<b>Unit I</b> Errors in Chemical Analysis	12.12.2022 To 02.01.2023	10	Home Assignments, Tutorials, ICT, etc	Unit Test-I Activity Based  (06.03.2023-12.03.2023) Unit Test-II MCQ (Based on remaining 75% syllabus)
2		<b>Unit II</b> Statistical Treatment of Analytical Data	03.01.2023 To 31.01.2023	13		
3		<b>Unit III</b> Separation Techniques: Introduction, Classification of Separation Techniques	01.02.2023 To 22.02.2023	10		
4		<b>Unit IV</b> Purification Methods Used in Organic Chemistry	27.02.2023 To 29.03.2023	12		

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Teacher

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Principal  
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### 3. Summary of Lesson Plan

Program: B.Sc. III (Sixth Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Electroanalytical Techniques-I (Conductometry, Potentiometry)	12.12.2022 To 04.01.2023	12	Home Assignments, Tutorials, ICT, etc	Unit Test-I Activity Based  (06.03.2023-12.03.2023) Unit Test-II MCQ (Based on remaining 75% syllabus)
2		Unit -II Electroanalytical Techniques-II (Polarography & Amperometry)	09.01.2023 to 06.02.2023	13		
3		Unit -III Chromatographic Techniques-II (Ion Exchange)	07.02.2023 to 15.02.2023	05		
4		Unit -IV Chromatographic Techniques-III (Size Exclusion, SFC and Hyphenated Techniques)	20.02.2023 To 29.03.2023	15		

  
Teacher

  
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