

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Structured Work Plan for Teaching**

**Academic Year 2018-19 (Term-I)**

(June-2018 to October-2018)

**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. II	Instrumental Methods of Chemical Analysis-VI (U-ANC-356)
2		Analytical Chemistry	B. Sc. III	Modern Techniques of Chemical Analysis-IX (U-ANC-561)
3		Chemistry	M.Sc. I	Physical Methods in Chemistry-IV (P-PMC-145)

**2. 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 (UV-Visible Spectroscopy)	26.06.2018 to 31.07.2018	15	Home Assignments, Tutorials, Seminars, ICT	Unit Test Based on first 50% syllabus (07.08.2018 to 14.08.2018)
2		Unit -II Spectroscopic Methods (AAS & FES)	01.08.2018 to 17.09.2018	18		
3		Unit -III Electron Microscopy	18.09.2018 to 03.10.2018	07		
4		Unit -IV: Atomic Force Microscopy	08.10.2018 to 16.10.2018	05		

Teacher

Dr. Kundan Chandramani Tayade  
Department of Chemistry,  
Rajarshi Shahu Mahavidyalaya

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3. 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	26.06.2018 to 23.07.2018	12	Home Assignments, Tutorials, Seminars, ICT	Unit Test Based on first 50% syllabus (07.08.2018 to 14.08.2018)
2		Unit -II 1H NMR Spectroscopy	26.07.2018 to 23.08.2018	13		
3		Unit -III Mass Spectrometry	24.08.2018 to 22.09.2018	12		
4		Unit -IV Fluorescence Spectroscopy	27.09.2018 to 12.10.2018	08		

  
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4. Summary of Lesson Plan  
Program: M.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	Chemistry	Unit -I Basic concepts of Analytical Chemistry & Chemometrics	05.07.2018 to 01.08.2018	15	Home Assignments, Tutorials, Seminars, ICT	Unit Test Based on first 50% syllabus (07.08.2018 to 14.08.2018)
2		Unit -II Errors, Statistical treatment of Analytical Data	02.08.2018 to 30.08.2018	15		
3		Unit -III Separation Techniques	03.09.2018 to 10.10.2018	20		
4		Unit -IV Forensic Analysis	11.10.2018 to 31.10.2018	10		

  
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**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Structured Work Plan for Teaching**  
**Academic Year 2018-19 (Term-II)**  
**(November-2018 to March-2019)**

**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. II	Radiochemical, Thermal, Optical & Chromatographic Methods-VIII (U-ANC-456)
2		Analytical Chemistry	B. Sc. III	Electroanalytical Techniques and Chromatography-XI (U-ANC-661)
3		Chemistry	M.Sc. I	Physical Methods in Chemistry-VIII (P-PMC-244)

**2. Summary of Lesson Plan**  
**Program: B.Sc. II (Fourth 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 Radiochemical Methods	03.12.2018 to 19.12.2018	09	Home Assignments, Tutorials, ICT, Seminars, ICT, Quizes	Unit Test Based on first 50% syllabus (20.01.2019 to 28.01.2019)
2		Unit -II Thermal Methods of Analysis	24.12.2018 to 12.01.2019	12		
3		Unit -III Optical Methods	23.01.2019 to 11.02.2019	08		
4		Unit -IV: Chromatographic Techniques	12.02.2019 to 21.03.2019	16		

  
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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)	06.12.2018 to 29.12.2018	12	Home Assignments, Tutorials, Seminars, ICT, Quizes	Unit Test Based on first 50% syllabus (20.01.2019 to 28.01.2019)
2		Unit -II Electroanalytical Techniques-II (Polarography & Amperometry)	03.01.2019 to 01.02.2019	13		
3		Unit -III Chromatographic Techniques-II (Ion Exchange)	02.02.2019 to 14.02.2019	05		
4		Unit -IV Chromatographic Techniques-III (Size Exclusion, SFC and Hyphenated Techniques)	15.02.2019 to 21.03.2019	15		

  
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4. Summary of Lesson Plan  
Program: M.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	Chemistry	Unit -I Electroanalytical Techniques (Polarography & Voltammetry)	03.12.2018 to 27.12.2018	15	Home Assignments, Tutorials, Seminars, ICT, Quizzes	Unit Test Based on first 50% syllabus (20.01.2019 to 28.01.2019)
2		Unit -II Spectroscopic Techniques (AAS & FES)	01.01.2019 to 24.01.2019	15		
3		Unit -III Thermal Methods (TGA & DTA)	25.01.2019 to 22.02.2019	15		
4		Unit -IV Diffraction Methods (XRD & XRF)	26.02.2019 to 21.03.2019	15		

  
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