



**Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)**

**Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2022-23 (Term-I)**

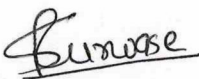
1. Details of Classes to be taught

	Class	Name of Asist. Prof.	Subject	Paper	Total Lectures
1	M. Sc. BT I Year	Ms.S.R.Surwase	Biotechnology	Course Title: Bioinstrumentation and Emerging Techniques Course Code: P-BET-137	60 (4Credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected no. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment
1	UNIT I: Microscopy and Centrifugation	12	22-08-22 To 23-09-22	Group Discussion	Unit Test I
2	UNITII: Chromatography and Electrophoresis	18	26-09-22 To 21-10-22	Surprise test	
3	UNIT III: Spectroscopy and Radioactivity	18	16-11-22 To 02-12-22	Quiz competition	Unit Test II
4	UNIT IV: Emerging techniques	12	03-12-22 To 15-12-22		

Date: 22/08/2022


Course Teacher


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Structured Work Plan for Teaching
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1. Details of Classes to be taught

Sr. No.	Class	Name of Asist. Prof.	Subject	Paper	Total Lectures
1	B.Sc BT SY III Semester	Ms.S.R.Surwase	Biotechnology	Course Title: Immunology and Virology Course Code: U-IMV-399	45 (3 Credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected no. of Lectures	Date	Academic activities to be organizer	No. of Test / Assignment
1	UNIT I: Overview of Immunology	15	20-06-22 To 30-07-22	Group Discussion	1) Class test on unit I
2	UNIT II: Basics of Immunology	10	01-08-22 To 05-09-22	Surprise test	2) Class test on Unit II
3	UNIT III: Introduction to viruses	10	06-09-22 To 27-09-22	Quiz competition	
4	UNIT IV: Structure and Life cycle of viruses	10	28-09-22 To 15-10-22		

Date: 20/06/2022

Surwase
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Shiv Chhatrapati Shikshan Sanstha's
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Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2022-23 (Term-II)

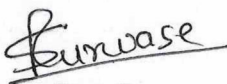
1. Details of Classes to be taught

Sr. No.	Class	Name of Asist. Prof.	Subject	Paper	Total Lectures
1	B. Sc. BT II Sem. IV	Dr.S.R.Surwase	Biotechnology	Course Title: Fundamentals of Molecular Biology Course Code: U-FMB-500	45 (3 Credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected no. of Lectures	Date	Academic activities to be organizer	No. of Test / Assignment
1	Unit 1: The beginnings of molecular biology DNA replication and Telomere maintenance	12	08-12-22 To 29-12-22	Guest Lecture	Unit Test I
2	Unit II: From gene to protein Prokaryotic Transcription	13	30-12-22 To 22-01-23		
3	Unit III: Translation Prokaryotic Translation	10	23-01-23 To 16-02-22	Industrial Visit	Unit Test II
4	Unit IV: DNA damage and repair mechanism Prokaryotic gene expression and regulation	15	20-02-23 To 24-03-23		

Date: 08/12/2022


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Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2022-23 (Term-II)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asist. Prof.	Subject	Paper	Total Lectures
1	B. Sc. BT I Sem. II	Dr.S.R.Surwase	Biotechnology	Course Title: Bioinstrumentation Course Code: U-BBI-287	45 (3 Credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected no. of Lectures	Date	Academic activities to be organizer	No. of Test / Assignment
1	Unit 1: Microscopy and Centrifugation	12	08-12-22 To 30-12-22	Guest Lecture	Unit Test I
2	Unit II: Chromatography and Biosensors	15	02-01-23 To 28-01-23	Quiz Competition	Unit Test II
3	Unit III: Electrophoresis and Radioactivity	13	30-01-23 To 24-02-23		
4	Unit IV: Spectroscopy	10	27-02-23 To 24-03-23		

Date: 08/12/2022

Surwase
Course Teacher

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