



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

**Department of Biotechnology**  
**Structured Work Plan for Teaching**  
**Academic Year 2024-25 (Term-I)**

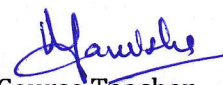
**1.Details of Classes to be taught**


Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
B.Sc. BT. II (III Sem.)	Dr. Manisha A. Dhotre	Biotechnology	Metabolism 101BIO3110	Lab Course VI 101BIO3112	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 organized	No of Test/ Assignment with topic and date
1	<b>Unit 1:</b> Metabolism and Respiration	11	01.07.2024 to 22.07.2024	Group Discussion	Online MCQ Test
2	<b>Unit II:</b> Photosynthesis	11	23.07.2024 to 12.08.2024	Coaching for Entrance Examination (IIT JAM, JNU etc.)	Activity based Unit Test-I Home Assignment 05.08.2024
3	<b>Unit III:</b> Carbohydrate and Lipid Metabolism	12	13.08.2024 to 11.09.2024	Workshop	Surprise Test
4	<b>Unit IV:</b> Amino acid and Nucleotide Metabolism	11	12.09.2024 to 14.10.2024	Guest Lecture	Unit Test II (MCQ) 23.09.2024

Date:25 June,2024

  
Course Teacher

  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 531

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



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

**Department of Biotechnology**  
**Structured Work Plan for Teaching**  
**Academic Year 2024-25 (Term-I)**

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

Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
M.Sc. BT. II (III Sem.)	Dr. Manisha A. Dhotre	Biotechnol ogy	Microbial Biotechnology  601BIO3102	Lab Course X	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 organized	No of Test/ Assignment with topic and date
1	Unit 1: Microbial Production of Biochemicals	11	01.07.2024 to 25.07.2024	Quiz	Online MCQ Test
2	Unit II: Microbial Production of Pharmaceuticals	11	26.07.2024 to 21.08.2024	Coaching for NET/SET Examination	Activity based Unit Test-I 05.08.2024
3	Unit III: Environmental Applications of Microbes	11	22.08.2024 to 19.09.2024	Academic Visit	Surprise Test
4	Unit IV: Microbial Enzyme Production and Biotransformation	12	20.09.2024 to 14.10.2024	Soft Skills	Unit Test II (MCQ) 23.09.2024

Date:25 June,2024

Course Teacher

HOD  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 531

Principal  
PRINCIPAL  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)



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

Timetable Duration : December 2024 to March 2025


Name of the Teacher : **Manisha Dhotre**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc.BTII	A	Biocatalysis and Enzyme Engineering	301BIO4102	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 1: Enzyme Structure and FunctionI	8	06/12/2024 To 18/12/2024	Group Discussion	Surprise Test
Unit II: Enzyme Kinetics and Mechanisms	12	19/12/2024 To 21/01/2025	Group Discussion	CAT I 27.01.2025
Unit III: Enzyme Regulation and Engineering	12	22/01/2025 To 12/02/2025	Workshop/Guest Lecture	Mid Term 01.03.2025
Unit IV: Applications of Enzymes in Biotechnology and Industry	13	13/02/2025 To 29/03/2025	Workshop/Guest Lecture	CAT II 24.03.2025

  
Teacher

  
HOD  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya

  
Principal  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)





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

Timetable Duration : December 2024 to March 2025


Name of the Teacher : **Manisha Dhotre**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
M.Sc.BT.II	A	Food and Nano Biotechnology	602BIO4103	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 1: Biotechnology in Food Production	10	06/12/2024 To 27/12/2024	Quiz	Surprise Test
Unit II: Food Applications and Functional Foods	12	28/12/2024 To 24/01/2025	Coaching for NET/SET Examination	CAT I 27.01.2025
Unit III: Food Safety, Traditional Fermentations and Novel Bioprocessing	13	25/01/2025 To 27/02/2025	Academic Visit	Mid Term 01.03.2025
Unit IV: Nano Biotechnology	10	28/02/2025 To 29/12/2024	Career Counselling	CAT II 24.03.2025

  
Teacher

  
HOD  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya

  
Principal  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)