



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

Department of Biotechnology

Teaching Plan

Timetable Duration: July 2025 to November 2025

Name of the Teacher: **Manisha Dhotre**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc.BT.II	A	Metabolism	201BI03102	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: Metabolism and Respiration	11	19/06/2025 To 09/07/2025	Group Discussion	Surprise Test
Unit II: Photosynthesis	11	10/07/2025 To 05/08/2025	Workshop/Guest Lecture	CAT I 21.07.2025
Unit III: Carbohydrate and Lipid Metabolism	12	06/08/2025 To 09/09/2025	Workshop/Guest Lecture	Mid Term 11.08.2025
Unit IV: Amino acid and Nucleotide Metabolism	11	10/09/2025 To 08/10/2025	Career Counselling	CAT II 22.09.2025


Teacher


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


Principal
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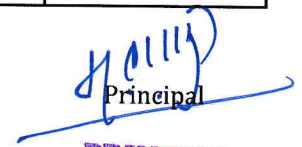
Class	Division	Course Title	Course Code	Total Teaching Hrs
M.Sc.BT.II	A	Microbial Biotechnology	601BIO3102	45

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: Microbial Production of Biochemicals	11	19/06/2025 To 11/07/2025	Resume Writing	Online MCQ Test
Unit II: Microbial Production of Pharmaceuticals	11	12/07/2025 To 11/08/2025	Quiz	CAT-I 11.07.2025
Unit III: Environmental Applications of Microbes	11	12/08/2025 To 10/09/2025	Coaching for NET/SET Examination	Mid Term 11.08.2025
Unit IV: Microbial Enzyme Production and Biotransformation	12	11/09/2025 To 04/10/2025	Academic Visit	CAT-II 22.09.2025


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Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
 Faculty of Science and Technology
 Department of Biotechnology



Teaching Plan

Timetable Duration: **December 2025 to March 2026**

Name of the Teacher: **Manisha Dhotre**

Details of Classes to be taught

Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
B.Sc.BT.II	Second	III	A	Biocatalysis and Enzyme Engineering	DSC	301BIO4102	45

Summary of Lesson Plan

Unit No.	Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I	Unit 1: Enzyme Structure and FunctionI	8	01/12/2025 To 23/12/2025	Group Discussion	CAT I 01.01.2026
II	Unit II: Enzyme Kinetics and Mechanisms	12	24/12/2025 To 21/01/2026	Guest Lecture	CAT II 27.01.2026
III	Unit III: Enzyme Regulation and Engineering	12	22/01/2026 To 23/02/2026	Coaching for Entrance Examination (IIT JAM, JNU etc.)	Open Book Test
IV	Unit IV: Applications of Enzymes in Biotechnology and Industry	13	24/02/2026 To 31/03/2026	Academic Visit	CAT III 03.03.26

Manisha Dhotre

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Faculty of Science and Technology
Department of Biotechnology

Teaching Plan

Timetable Duration: **December 2025 to March 2026**

Name of the Teacher: **Manisha Dhotre**



Details of Classes to be taught

Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
M.Sc.BT.II	Second	IV	A	Food and Nano Biotechnology	MMC	602BIO4103	45

Summary of Lesson Plan

Unit No.	Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I	Unit 1: Biotechnology in Food Production	10	01/12/2025 To 24/12/2025	Quiz	CAT I 01.01.2026
II	Unit II: Food Applications and Functional Foods	12	26/12/2025 To 23/01/2026	Coaching for NET/SET Examination	CAT II 27.01.2026
III	Unit III: Food Safety, Traditional Fermentations and Novel Bioprocessing	13	24/01/2026 To 26/02/2026	Career Counselling	Open Book Test
IV	Unit IV: Nano Biotechnology	10	27/02/2026 To 31/03/2026	Academic Visit	CAT III 03.03.2026

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