



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

Department of B.T.

Teaching Plan

Timetable Duration: July 2025 to November 2025

Name of the Teacher: **Swati Swami**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B. Sc BT FY	A	Cell Biology	101BIO1101	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 I: Introduction to Cell biology	7	09/07/2025 To 23/07/2025	Group Discussion	CAT-1
Unit II: Cell organelles and Cytoskeleton	13	24/07/2025 To 20/08/2025	Quiz	CAT II
Unit III: Membrane Transport	15	21/08/2025 To 18/09/2025	Guest Lecture	Surprise Test
Unit IV: Cell cycle and Cell-cell communication	10	19/09/2025 To 09/10/2025	workshop	CAT -III


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 B.T.

Teaching Plan

Timetable Duration: July 2025 to November 2025

Name of the Teacher: **Swati Swami**

Details of Classes to be taught

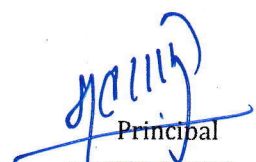
Class	Division	Course Title	Course Code	Total Teaching Hrs
M. Sc BT SY	A	Advance Pharmaceutical Biotechnology	602BIO3201	45

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 I: Chemotherapeutic Agents and Antibiotics	8	23/06/2025 To 14/07/2025	Group Discussion	CAT-1
Unit II: Antibacterial, Antifungal and Antiviral Drugs	12	15/07/2025 To 13/08/2025	Guest Lecture	CAT II
Unit III: Drug Discovery, Development and Targeting	14	14/08/2025 To 16/09/2025	workshop	Surprise Test
Unit IV: Clinical Trials, Regulatory Guidelines and Pharmacopoeia.	11	17/09/2025 To 09/10/2025	Quiz	CAT -III


Teacher


HOD
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 B.T.

Teaching Plan

Timetable Duration: July 2025 to November 2025

Name of the Teacher: **Swati Swami**

Details of Classes to be taught

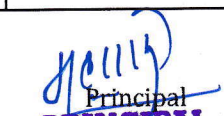
Class	Division	Course Title	Course Code	Total Teaching Hrs
M. Sc BT FY	A	BIOINFORMATICS	601BIO1201	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Fundamentals of Bioinformatics	12	05/08/2025 To 20/08/2025	Group Discussion	CAT- I
Sequence Alignment	13	21/08/2025 To 06/09/2025	quiz	CAT- II
Protein Structure, Function, Prediction and Analysis	11	08/09/2025 To 22/09/2025	Guest Lecture	Surprize Test
Omics Technologies	9	23/09/2025 To 09/10/2025	Visit	CAT III


Teacher


HOD
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)
Faculty of Science and Technology
Department of B.T.



Teaching Plan

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

Name of the Teacher: **Swati Swami**

Details of Classes to be taught

Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
B. Sc BT I Yr.	First	II	A	Biochemistry	DSC	101BIO2101	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 I: Nucleic acids	7	03/12/2025 To 19/12/2025	Group Discussion	Surprise Test
II	Unit II: Carbohydrates and Lipids	15	20/12/2025 To 29/01/2026	Quiz	CAT I
III	Unit III: Amino acids and Proteins	13	30/01/2026 To 04/03/2026	Seminar	CAT II
IV	Unit IV: Vitamins and Minerals	10	05/03/2026 To 31/03/2026	Guest Lecture	CAT III


Teacher


HOD

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)
Faculty of Science and Technology
Department of B.T.



Teaching Plan

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

Name of the Teacher: **Swati Swami**

Details of Classes to be taught

Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
M. Sc BT I Yr.	First	II	A	Bioprocess Engineering	MMC	601BIO2103	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 I: Basic Chemical Engineering calculations	12	02/12/2025 To 31/12/2025	Group Discussion	Surprise Test
II	Unit II: Design of Fermenters and Sterilization Kinetics	13	01/01/2026 To 02/02/2026	Quiz	CAT I
III	Unit III: Media for large-scale processes & their optimization	10	03/02/2026 To 02/03/2026	Seminar	CAT II
IV	Unit IV: Measurement & Control of Bioprocesses Parameters	10	03/03/2026 To 31/03/2026	Guest Lecture	CAT III

Swati

Teacher

Head

HOD

Head

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

Principal

Principal

PRINCIPAL

Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)