



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 : **U.P. Sirdesmukh**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc.BT I	A	Bioinstrumentation I	101BI01501	15

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
1 . Fundamental Instrumentation used in Biological research	4	07/07/2025 To 30/07/2025	PPT Presentation and Demonstration and performance of instruments like weighing balance, spectrophotometer, PH meter and other tools of measurements and calculations	1 Assignment
2. Microscopy	4	02/08/2025 To 25/08/2025	Compound microscope and stereomicroscope Demonstration and hands on ,PPT Presentation	1 Assignment
3. Centrifugation	4	31/08/2025 To 23/09/2025	Hands on and performance of applications of cooling centrifuges, Problems based on centrifugation	1 Assignment
4. Chromatography	3	30/09/2025 To 20/10/2025	Paper and TLC demonstration and performance	1 Assignment


Teacher


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


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous) 1/3



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 : **U.P. Sirdesmukh**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc.BT III	A	Developmental biology	301BIO5201	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
1. Fundamentals of development and model organisms	14	23/06/2025 To 16/07/2025	PPT presentation and Group discussion	1 Assignment
2. Molecular mechanism in Developmental biology	13	18/07/2025 To 13/08/2025	PPT presentation and Group discussion	1 Assignment
3. Stem cells, Regeneration, and techniques in developmental biology	10	15/08/2025 To 07/09/2025	PPT presentation and Group discussion	1 Assignment
4. Plant Development	8	10/09/2025 To 30/09/2025	PPT presentation and Group discussion	1 Assignment


Teacher


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


Principal
PRINCIPAL 2/3
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)



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

Department of B.T.

Teaching Plan

Timetable Duration: December 2025 to March 2026

Name of the Teacher: **U.P. Sirdesmukh**

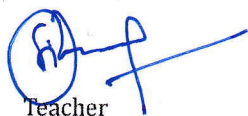


Details of Classes to be taught

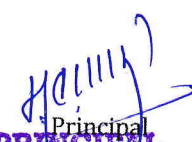
Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
B.Sc.BT I year	First	II		Genetics	DSC	101BIO2102	45

Summary of Lesson Plan

Unit No.	Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I	I Classical Genetics	14	03/12/2025 To 31/12/2025	Board Teaching and Problem solving	Assignment 1
II	II Cytogenetics	13	01/01/2026 To 30/01/2026	Board Teaching and Problem solving	Assignment 2
III	III Mutation and Microbial genetics	10	04/02/2026 To 27/02/2026	Board Teaching and Practice MCQ Test	Assignment 3
IV	IV Population genetics and Quantitative genetics	8	04/03/2026 To 27/03/2026	Board Teaching and problem solving	Assignment 4


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 B.T.

Teaching Plan

Timetable Duration: December 2025 to March 2026

Name of the Teacher: **U.P. Sirdesmukh**

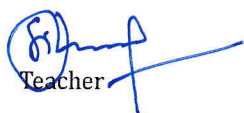


Details of Classes to be taught

Class	Year	Semester	Division	Course Title	Course Level	Course Code	Total Teaching Hrs
M.Sc.BT II year	Second	IV	A	Animal and Livestock Biotechnology (Major X)	MMC	602BIO4101	45

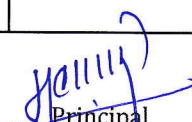
Summary of Lesson Plan

Unit No.	Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
I	I Basics of Animal Cell Culture	12	01/12/2025 To 30/12/2025	Board Teaching and Laboratory organization Study	Assignment 1
II	II Scale-Up and Commercial Applications of Animal Biotechnology	10	31/12/2025 To 27/01/2026	Board Teaching and Guest Lecture	Assignment 2
III	III Molecular Techniques and Applications in Livestock Biotechnology	10	28/01/2026 To 24/02/2026	Board Teaching	Assignment 3
IV	IV Breeding Techniques and Transgenic Technology in Livestock	13	25/02/2026 To 25/03/2026	Board Teaching and a case study in Livestock biotechnology	Assignment 4


Teacher


Head

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


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)