



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


Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc.BT I	Mr.U.P.Sirdeshmukh	Biotechnology	Bioinstrumentation I (VSC I)	15 Th + 30 h (P)

2. Summary of Lesson

Sr.No	Unit and chapter to be covered	Expected No. of Lectures/Practicals (in Hours)	Date	Academic activities to be organized	No.of test/Assignment with topic and date
1.	Fundamental Instrumentation used in Biological research	15	1/07/2024 To 05/08/2024	PPT Presentation	
2.	Microscopy	10	07/08/2024 To 28/08/2024		Unit Test I
3.	Centrifugation	10	30/08/2024 To 20/09/2024	Quiz	
4.	Chromatography	10	21/09/2024 To 16/10/2024		Unit Test II

Date: 07/08/2024


Course Teacher


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


Principal
PRINCIPAL
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Academic Year 2024-25 (Term-I)

1. Details of Classes to be taught


Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc.BT III	Mr.U.P.Sirdeshmukh	Biotechnology	Developmental biology	45(3 Credit)


2. Summary of Lesson

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 I-How development works in Animals	12	26/06/2024 to 18/07/2024	PPT presentation	
2.	Unit II – cell division ,apoptosis ,aging and teratogenesis	10	19/07/2024 To 09/08/2024		Unit Test I
3.	Unit III – Morphogenesis and Developmental commitment	11	10/08/2024 To 06/09/2024	Quiz	
4.	Unit IV- Plant development	12	07/09/2024 To 15/10/2024		Unit Test II

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Department of B.T.
Teaching Plan

Timetable Duration : December 2024 to March 2025

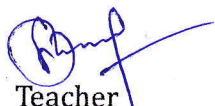
Name of the Teacher : **U.P. Sirdesmukh**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
Msc BT II	A	Animal and Livestock Biotechnology	602BIO4101	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
I. Basics of Animal Cell Culture	12	06/12/2024 To 05/01/2025	PPT presentation/seminar, Video lectures on genetics	1
II.Scale-Up and Commercial Applications of Animal Biotechnology	10	06/01/2025 To 28/01/2025	PPT presentation/seminar, Video lectures on genetics	1
III.Molecular Techniques and Applications in Livestock Biotechnology	10	29/01/2025 To 20/02/2025	PPT presentation/seminar, Video lectures on genetics	1
IV.Breeding Techniques and Transgenic Technology in Livestock	13	21/02/2025 To 28/03/2025	PPT presentation/seminar, Video lectures on genetics	1


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HOD
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Department of B.T.
Teaching Plan

Timetable Duration : December 2024 to March 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	Biotechnology	Genetics	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
I. Classical genetics	14	06/12/2024 To 31/12/2024	PPT presentation/seminar, Video lectures on genetics	1
II. Cytogenetics	13	01/01/2025 To 08/02/2025	PPT presentation/seminar, Video lectures on genetics	1
III. Mutation and Microbial Genetics	10	10/02/2025 To 08/03/2025	PPT presentation/seminar, Video lectures on genetics	1
IV. Population genetics and quantitative genetics	8	10/03/2025 To 28/03/2025	PPT presentation/seminar, Video lectures on genetics	1


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