



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

Department of Biotechnology
Structured work plan for Teaching
Academic Year 2023-24 (Term-I)

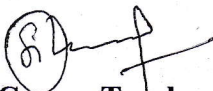
1. Details of Classes to be taught


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	26/06/2023 to 18/07/2023	PPT presentation	
2.	Unit II - cell division ,apoptosis ,aging and teratogenesis	10	19/07/2023 To 09/08/2023		Unit Test I
3.	Unit III - Morphogenesis and Developmental commitment	11	10/08/2023 To 06/09/2023	Quiz	
4.	Unit IV- Plant development	12	07/09/2023 To 15/10/2023		Unit Test II

Date : 24/06/2023


Course Teacher


Head
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya,
(Autonomous) Latur-431007


Principal
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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)

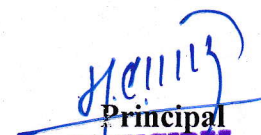
2. Summary of Lesson

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	10/07/2023 To 05/08/2023	PPT Presentation	
2.	Microscopy	10	07/08/2023 To 28/08/2023		Unit Test I
3.	Centrifugation	10	30/08/2023 To 20/09/2023	Quiz	
4.	Chromatography	10	21/09/2023 To 16/10/2023		Unit Test II

Date: 03/07/2023


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Department of Biotechnology
Structured work plan for Teaching
Academic Year 2023-24 (Term-II)


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	Genetics (DSC II)	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: Classical genetics	14	13/12/2023 To 13/01/2024	PPT presentation	
2.	Unit II: Cytogenetics	13	15/01/2024 To 10/02/2024		Unit Test I
3.	Unit III: Mutation and Microbial Genetics	10	12/02/2024 To 09/03/2024	Quiz	
4.	Unit IV: Population genetics and quantitative genetics	8	11/03/2024 To 29/03/2024		Unit Test II

Date: 11/12/2024


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Academic Year 2023-24 (Term-II)

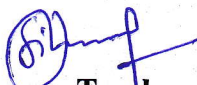
1. Details of Classes to be taught


Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	M.Sc.BT II	Mr.U.P.Sirdeshmukh	Biotechnology	Animal and Livestock Biotechnology	60

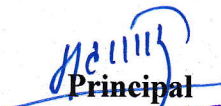
2. Summary of Lesson

Sr.No	Unit and chapter to be covered	Expected No. of Lectures/ Practical (in Hours)	Date	Academic activities to be organized	No.of test/Assignment with topic and date
1.	Unit I: Basics of Animal cell culture, culture media and cell culture types	16	8/12/2023 To 6/01/2024	PPT Presentation	
2.	Unit II: Scale up Technique and commercial applications of animal biotechnology	14	8/01/2024 To 5/02/2024		Unit Test I
3.	Unit III: Molecular methods in Livestock biotechnology	15	6/02/2024 To 2/03/2024	Quiz	
4.	Unit IV: Animal breeding and Transgenic technology	15	4/03/2024 To 29/03/2024		Unit Test II

Date: 11/12/2024


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