

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	45(3 Credit)
				biology	20.00

2. Summary of Lession

Sr.No.	Unit and chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No.of test/Assign ment with topic and date
1.	UNIT I-How development works in Animals	12	26/06/2023 to 18/07/2023	PPT presentation	date
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 Rajarchi Chaba at a sanda and (Autonomous) Laboratia 888 PRINCIPAL
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
1.	B.Sc.BT I	Mr.U.P.Sirdeshmukh	Biotechnology	Bioinstrumentation I	Lectures 15 Th +
				(VSCI)	30 h (P)

2. Summary of Lession

Sr.No	Unit and	Expected No. of	Date	Academic	No.of
	chapter to be	Lectures/Practica		activities to	test/Assignm
	covered	ls (in Hours)		be organized	ent with topic and date
1.	Fundamental	15	10/07/2023	PPT	* 100 F
	Instrumentation	a 223	То	Presentation	
	used in Biological research		05/08/2023		
2.	Microscopy	10	07/08/2023		Unit Test I
			То		
	e 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		28/08/2023		a
3.	Centrifugation	10	30/08/2023	Quiz	
			То		
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		20/09/2023		
4.	Chromatography	10	21/09/2023		Unit Test II
			То		
			16/10/2023	* * * * * * * * * * * * * * * * * * *	

Date: 03/07/2023

Course Teacher

Head

Department of Biotechnology Rajarshi Shaha samavidyalaya (Autonomous) Latur-413 531 PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)



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	45(3 Credit)
		The state of the s		(DSC II)	

2. Summary of Lession

Sr.No.	Unit and chapter to	Expected	Date	Academic	No.of
	be covered	No. of		activities to	test/Assignmen
		Lectures		be organized	t with topic and
2 8		2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			date
1.	Unit I:	14	13/12/2023	PPT	
	Classical genetics	1 No. 1	То	presentation	
a a	are a light part of the second		13/01/2024		
2.	Unit II:	13	15/01/2024		Unit Test I
	Cytogenetics		То		
8.5		3 2 2 2	10/02/2024		100 8 4
3.	Unit III:	10	12/02/2024	Quiz	F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Mutation and Microbial		То		
	Genetics		09/03/2024		
4.	Unit IV:	8	11/03/2024		Unit Test II
	Population genetics and		То	a s	
	quantitative genetics		29/03/2024		

Date: 11/12/2024

Course Teacher

Head Head

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

Rejarshi Shahu Mahavidyalayo, Latur (Autonomous)



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.	M.Sc.BT II	Mr.U.P.Sirdeshmukh	Biotechnology	Animal and Livestock	60
		100		Biotechnology	

2. Summary of Lession

Sr.No	Unit and chapter to be	Expected	Date	Academic	No.of
	covered	No. of		activities to be	test/Assignmen
2		Lectures/		organized	t with topic and
		Practical (in Hours)			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

Course Teacher

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