



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)
Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2021-22 (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	Basic Biosciences	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: Taxonomy and levels of organization	12	2/8/2021 to 17/8/2021	Short field visit	
2.	Unit II: Nutrition and transport in flowering plant	10	18/8/2021 to 16/9/2021		Unit Test I
3.	Unit III: Life processes in animals-I	11	20/9/2021 to 11/10/2021	Quiz	
4.	Unit IV: Life processes in animals-II	12	12/10/2021 to 26/11/2021		Unit Test II


Course Teacher


Head
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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 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	05/07/2021 to 1/08/2021	PPT presentation	
2.	Unit II – cell division ,apoptosis ,aging and teratogenesis	10	3/08/2021 to 17/08/2021		Unit Test I
3.	Unit III – Morphogenesis and Developmental commitment	11	20/08/2021 to 24/09/2021	Quiz	
4.	Unit IV- Plant development	12	25/09/2021 to 26/10/2021		Unit Test II


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Structured Work Plan for Teaching
Academic Year 2021-22 (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)

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	12	02/02/2022 to 12/03/2022	Quiz	
2.	Unit II : Linkage, crossing over and microbial genetics	10	14/03/2022 to 13/04/2022		Unit Test I
3.	Unit III: Mutation	11	15/04/2022 to 14/05/2022	Quiz	
4.	Unit IV: Population and Quantitative genetics	12	18/05/2022 to 27/05/2022		Unit Test II


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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 III	Mr.U.P.Sirdeshmukh	Biotechnology	Agriculture biotechnology	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: Agriculture and its recent trends	12	16/12/2021 to 31/12/2021	Quiz	
2.	Unit II : Agrobased technologies and production	10	03/01/2022 To 1/02/2022		Unit Test I
3.	Unit III : Molecular markers and analysis in agriculture	11	03/02/2022 to 07/03/2022	Quiz	
4.	Unit IV: Plant Genetic engineering	12	08/03/2022 to 12/04/2022		Unit Test II


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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	Enzymology and protein Engineering	60(4 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: INTRODUCTION TO ENZYMES & ENZYME KINETICS	15	7/07/2021 to 16/07/2021	Quiz	
2.	Unit II: ENZYME KINETICS	15	19/07/2021 to 23/08/2021		Unit Test I
3.	Unit III: EFFECT OF PHYSICAL FACTORS & ENZYME KINETICS IN BIPHATIC REACTION	15	25/08/2021 to 03/09/2021	Quiz	
4.	Unit IV: ENZYME IMMOBILIZATION, KINETICS OF IMMOBILIZATION & PROTEIN ENGINEERING	15	06/09/2021 to 29/09/2021		Unit Test II


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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	Genomics and Proteomics	60(4 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: Fundamentals of Bioinformatics	15	21/12/2021 to 11/01/2022	Quiz	
2.	Unit II: Genome and genomics analysis	15	13/01/2022 to 24/02/2022		Unit Test I
3.	Unit III: Expression Data Analysis: DNA/RNA	15	25/02/2022 To 21/03/2022	Quiz	
4.	Unit IV: Proteomics	15	22/03/2022 to 14/04/2022		Unit Test II


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