



**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

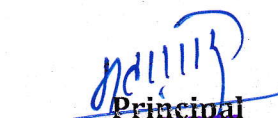
Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. I SEM I	Mr. S. D. Kadam	Biotechnology	Course Title: Introduction to Microbiology (DSC II) Course Code: 101BIO1102	45 (3 Credits)

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: History and Overview of Microbiology.	11	05-07-23 To 02-08-23		
2.	Unit II: Microbial Media and Sterilization Techniques	12	03-08-23 To 29-08-23	Quiz	Unit Test-I
3.	Unit III: Isolation and Identification Techniques	13	30-08-23 To 22-09-23		Unit Test-II
4.	Unit IV: Bacterial Growth	09	29-09-23 To 18-10-23	Guest Lecture	


Course Teacher


Head
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Department of Biotechnology

Structured Work Plan for Teaching

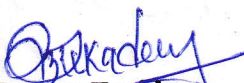
Academic Year 2023-24(Term-I)

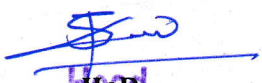
1. Details of Classes to be taught


Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	M.Sc.BT. II SEM III	Mr. S. D. Kadam	Biotechnology	Course Title: Genetic Engineering Course Code: P-GEE-334	60 (4 Credits)

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: Isolation of DNA and RNA. Quantification of nucleic acids	12	26-06-23 To 17-07-23		
2.	Unit II: Restriction endonucleases.	18	18-07-23 To 22-08-23	Guidance for (NET/SET/GATE examination etc.)	Unit Test-I
3.	Unit III: Selection, screening and analysis of recombinants.	15	23-08-23 To 20-09-23	Guest Lecture	
4.	Unit IV: Vector Engineering and codon optimization,	15	21-09-23 To 20-10-23		Unit Test II


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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

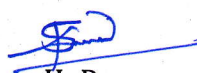
Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
B.Sc. BT. III (VI Sem.)	Mr.S.D.Kadam	Biotechnology	Pharmaceutical Biotechnology U-PHB-728	Lab Course XXIV U-LAC-734	50 (2-Credits)


2. Summary of Lesson Plan

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: Drug Development in Pharmaceutical Process	10	06.12.2023 to 27.12.2023	Guidance for Competitive Examination	
2	Unit II. Antibodies in research, diagnostics and therapeutics	10	28.12.2023 to 17.01.2024	Visit	Activity based Unit Test-I 19.01.2024
3	Unit III: Delivery of Biotechnology products	15	19.01.2024 to 20.02.2024	Guidance to crack Competitive Examination	Online MCQ Test
4	Unit IV: Diagnosis and Kit Development	10	21.02.2024 to 23.03.2024	Guest Lecture	Unit Test-II (M.C.Q) 06.03.2024

Date:05 December,2023


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Structured Work Plan for Teaching
Academic Year 2023-24 (Term-II)

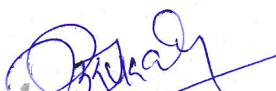
1. Details of Classes to be taught

Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
M.Sc. BT. I (II Sem.)	Mr.S.D.Kadam	Biotechnology	Molecular Genetics (Major IV)	Lab Course- VI (Based on Major-IV)	75 (3-Credits)

2. Summary of Lesson Plan

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: Principles of Genetics	12	06.12.2023 to 30.12.2023	Coaching for NET/SET Examination	
2	Unit II: DNA replication and DNA repair	08	02.01.2024 to 24.01.2024		Activity based Unit Test-I 19.01.2024
3	Unit III: Transcription and Translation	15	25.01.2024 to 20.02.2024		Online MCQ Test
4	Unit IV: Gene Expression in Prokaryotes and eukaryotes.	10	21.02.2024 to 16.03.2024	Visit	Unit Test-II (M.C.Q) 06.03.2024

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