



स्थापना - १९७०

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


Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2022-23 (Term-I)


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: Cell Biology Course Code: U-CEB-187	45 (3 Credits)

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: Structure and Classification of Cell.	11	01-08-22 To 29-08-22		
2.	Unit II: Cellular Organization, Cytoskeleton	13	30-08-22 To 23-09-22		Unit Test-I
3.	Unit III: Membrane Transport	10	24-09-22 To 07-10-22		
4.	Unit IV: Cell Cycle and Cell Division	11	11-10-22 To 06-11-22	Guest Lecture	Unit Test II


Course Teacher


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Structured Work Plan for Teaching

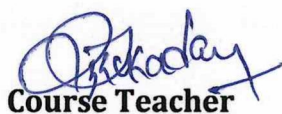
Academic Year 2022-23 (Term-I)


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	18-06-22 To 15-07-22		
2.	Unit II: Restriction endonucleases.	18	16-07-22 To 10-08-22		Unit Test-I
3.	Unit III: Selection, screening and analysis of recombinants.	15	12-08-22 To 06-09-22		
4.	Unit IV: Vector Engineering and codon optimization,	15	07-09-22 To 11-10-22	Guest Lecture	Unit Test II


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Department of Biotechnology

Structured Work Plan for Teaching

Academic Year 2022-23 (Term-II)

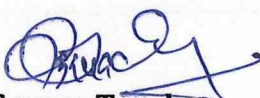
Details of Classes to be taught


1. Details of Classes to be taught

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. B.T. III SEM VI	Mr. S. D. Kadam	Biotechnology	Course title: - Pharmaceutical Biotechnology Course Code: -U-PHB-704	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: Drug Development in Pharmaceutical Process	10	09.12.2022 to 22.12.2022	Career Guidance	
2.	Unit II: Antibodies in research, diagnostics and therapeutics	10	23.12.2022 to 16.01.2023	Guest Lecture	Unit Test-I
3.	Unit III: Delivery of Biotechnology products	15	17.01.2023 to 03.02.2023		
4.	Unit IV: Diagnosis and Kit Development	10	04.02.2023 to 02.03.2023	Industrial visit	Unit Test II


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Academic Year 2022-23 (Term-II)
Details of Classes to be taught

1. Details of Classes to be taught

Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	M.Sc. I SEM II	Mr. S. D. Kadam	Biotechnology	Course title Molecular Biology Course Code:- P-MOB-232	60 (3 Credit)

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: Organization of Genome in Prokaryotes and Eukaryotes	15	08.12.2022 to 31.12.2022	Career Guidance	
2.	Unit II: DNA replication and Molecular basis of genome evolution	15	02.01.2023 to 28.01.2023		Unit Test-I
3.	Unit III: Gene expression in Prokaryotes and Eukaryotes	15	30.01.2023 to 14.02.2023		
4.	Unit IV: Gene regulation and Gene silencing	15	15.02.2023 to 02.03.2023	Guest Lecture	Unit Test II


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