

Shiv Chhatrapati Shikshan Sanstha's

**Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)**



Department of Biotechnology

Structured Work Plan for Teaching


Academic Year 2021-22 (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	Cell Biology U-CEB-187	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: Structure and Classification of Cell.	11	10-08-2021 To 30-08-2021		
2.	Unit II: Cellular Organization, Cytoskeleton	13	01-09-2021 To 20-09-2021		Unit Test-I
3.	Unit III: Membrane Transport	10	21-09-2021 To 05-10-2021		
4.	Unit IV: Cell Cycle and Cell Division	11	06-10-2021 To 31-10-2021	Guest Lecture	Unit Test II


Course Teacher


HoD
Head
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
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Principal
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Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	M.Sc.BT. II SEM III	Mr. S. D. Kadam	Biotechnology	Genetic Engineering P-GEE-334	60 (4 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: Isolation of DNA and RNA. Quantification of nucleic acids	12	10-07-21 To 02-08-21		
2.	Unit II: Restriction endonucleases.	18	03-08-21 To 06-09-21		Unit Test-I
3.	Unit III: Selection, screening and analysis of recombinants.	15	07-09-21 To 22-09-21		
4.	Unit IV: Vector Engineering and codon optimization,	15	26-09-21 To 25-10-21	Guest Lecture	Unit Test II


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Structured Work Plan for Teaching

Academic Year 2021-22 (Term-II)


Details of Classes to be taught

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc.BT. III SEM VI	Mr. S. D. Kadam	Biotechnology	Pharmaceutical Biotechnology U-PHB-706	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: Drug Development in Pharmaceutical Process	11	20-02-2021 To 12-03-2021		
2.	Unit II: Antibodies in research, diagnostics and therapeutics	13	13-03-2021 To 29-03-2021		Unit Test-I
3.	Unit III: Delivery of Biotechnology products:	11	30-03-2021 To 10-04-2021	Career Guidance	
4.	Unit IV: Cell Cycle and Cell Division	12	11-04-2021 To 31-04-2021	Guest Lecture	Unit Test II


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Academic Year 2021-22 (Term-II)**


Details of Classes to be taught

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	Msc BT I SEM II	Mr. S. D. Kadam	Biotechnology	Molecular Biology P-MOB-232	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: Organization of Genome in Prokaryotes and Eukaryotes	11	15-02-21 To 02-03-21		
2.	Unit II: DNA replication and Molecular basis of genome evolution	13	03-03-2021 To 31-03-2021		Unit Test-I
3.	Unit III: Gene expression in Prokaryotes and Eukaryotes	11	01-03-2021 To 17-04-2021	Career Guidance	
4.	Unit IV: Gene regulation and Gene silencing	12	19-04-2021 To 30-04-2021	Guest Lecture	Unit Test II


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