



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

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


1. Details of Classes to be taught

Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. II	Dr. R. B. Ade	Biotechnology	Applied Microbiology	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: Soil, Water and Air Microbiology	12	20.6.2022 to 15.07.2022	Career Guidance	
2.	Unit II: Food Microbiology	10	16.07.2022 to 26.07.2022	Guest Lecture	Unit Test-I
3.	Unit III: Medical Microbiology	12	27.07.2022 to 20.08.2022		
4.	Unit IV: Application of Agriculture, Environmental Microbiology, Waste water Microbiology:	11	21.08.2022 to 02.09.2022	Field Visit, Herbarium preparation	Unit Test II

Date: 20.06.2022

  
Course Teacher

  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 53

  
Principal  
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. III	Dr. R. B. Ade	Biotechnology	Animal 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: Animal tissue culture laboratory and techniques	12	20.6.2022 to 15.07.2022	Career Guidance	
2.	Unit II:Hybridoma technology and Vaccine production and applications	10	16.07.2022 to 26.07.2022	Guest Lecture	Unit Test-I
3.	Unit III:Veterinary Biotechnology and transgenic technology	12	27.07. 2022 to 20.08.2022		
4.	Unit IV:Therapeutic protein production, Identification of animal species by modern approaches	11	21.08.2022 to 02.09.2022	Field Visit Herbarium preparation	Unit Test II

Date: 20.06.2022

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**Shiv Chhatrapati Shikshan Sanstha's**  
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**Academic Year 2022-23 (Term-I)**


**1. Details of Classes to be taught**

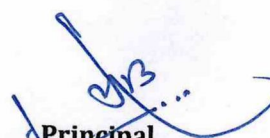
Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	M. Sc. I	Dr. Sanghapal Kshirasagar	Biotechnology	Course Title: Cell & Developmental Biology Course Code: P-CDB-134	60 (4 Credit)

**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: Cell organelles	20	08-09-22 To 10-10-22	Home Assignments	Assignment I: 15-10-21
2	Unit II: Cell Signaling	14	10-10-22 To 13-11-22		Unit Test-I
3	Unit III: Cell cycle and Cell Division	14	15-11-22 To 27-11-22	Home Assignment	Assignment II: 26-11-21
4	Unit IV: Development Biology	12	29-11-22 To 15-12-22		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. II	Dr. Sanghapal Kshirasagar	Biotechnology	Course Title: Plant Biotechnology Course Code: P-PLB-337	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: Plant Tissue Culture-I	12	20-06-22 To 16-07-22	Home Assignments	Assignment I:
2	Unit-II: Plant Tissue Culture-II	18	18-07-22 To 31-08-22		Unit Test-I
3	Unit-III: Plant molecular biology	15	01-09-22 To 03-10-22	Home Assignment	Assignment II:
4	Unit IV: Transgenic Crops	15	04-10-22 To 14-11-22		Unit Test-II

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**Academic Year 2022-23 (Term-II)**

**1. Details of Classes to be taught**

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. II	Dr. R. B. Ade	Biotechnology	Plant 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:Plant Breeding	12	09.12.2022 to 21.12.2022	Career Guidance	
2.	Unit II:Introduction to Plant Tissue Culture	12	22.12.2022 to 04.01.2023	Guest Lecture	Unit Test-I
3.	Unit III:Plant tissue culture Media	12	05.01.2023 to 17.01.2023		
4.	Unit IV:Techniques in Plant Tissue Culture and Applications	12	18.01.2023 to 02.02.2023	Field Visit and Industrial visit	Unit Test II

Date: 09.12.2022

  
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**Academic Year 2022-23 (Term-II)**


**1. Details of Classes to be taught**

Sr.No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. III	Dr. R. B. Ade	Biotechnology	Biodiversity and systematics	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: Introduction to Biodiversity	12	09.12.2022 to 21.12.2022	Career Guidance	
2.	Unit II: Biodiversity loss and problems	12	22.12.2022 to 04.01.2023	Guest Lecture	Unit Test-I
3.	Unit III: Biodiversity Conservation and Laws	12	05.01.2023 to 17.01.2023		
4.	Unit IV: Systematics: Conventional and Modern approaches and its importance	12	18.01.2023 to 02.02.2023	Field Visit Herbarium preparation	Unit Test II

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