



**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. II SEM I	Dr. R.B. Ade	Biotechnology	Course Title: Applied Microbiology Course Code: U-APM-398	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: Soil, Water and Air Microbiology.	14	26-06-23 To 20-07-23		
2.	Unit II: Food Microbiology	12	24-07-23 To 14-08-23	Quiz	Unit Test-I
3.	Unit III: Medical Microbiology	08	17-08-23 To 31-09-23		Unit Test-II
4.	Unit IV: Agricultural and Environmental Microbiology	11	04-09-23 To 30-09-23	Quiz	

Course Teacher

(Dr. R.B. Ade)

Head

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531

Principal

PRINCIPAL
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(Autonomous)

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स्थापना - १९७०

(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.BT. III SEM V	Dr. R.B. Ade	Biotechnology	Course Title: Animal Biotechnology Course Code: U-ANB- 629	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: Introduction to Animal tissue culture and its application	18	26-06-23 To 26-07-23		
2.	Unit II: Introduction to Vaccine production, Phage display technique and related Techniques.	10	27-07-23 To 11-08-23		Unit Test-I
3.	Unit III: Selection, screening and analysis of recombinants.	09	14-08-23 To 30-08-23	Guest Lecture	
4.	Unit IV: Vector Engineering and codon optimization,	08	31-08-23 To 18-09-23		Unit Test II

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Shiv Chatrapati Shikshan Sanstha's
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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

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lectures
1.	B.Sc. II	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: What is biodiversity and concepts in biodiversity	12	6-12-23 To 27-12-23	Career Guidance	
2.	Unit II: Problems in Biodiversity and responsible reasons for loss	10	2-01-24 To 17-01-24	Guest Lecture	Unit Test-I
3.	Unit III: Conservation initiative and strategies with Laws	12	20-01-24 To 8-02-24		
4.	Unit IV: Introduction to Taxonomy of plants and animals and new approaches.	11	11-02-24 To 29-03-24	Field Visit and Industrial visit	Unit Test II

Date: 05.12.2023

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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

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	6-12-23 To 27-12-23	Career Guidance	
2.	Unit II: Biodiversity loss and problems	10	2-01-24 To 17-01-24	Guest Lecture	Unit Test-I
3.	Unit III: Biodiversity Conservation and Laws	12	20-01-24 To 8-02-24		
4.	Unit IV: Systematics: Conventional and Modern approaches and its importance	11	11-02-24 To 29-03-24	Field Visit Herbarium preparation	Unit Test II

Date: 05.12.2023

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