

Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur
Department of Microbiology
Teaching Plan 2023-24

Name of the Faculty: Ms. Pratiksha Diliprao Mane

Subject: Microbiology


Class: B.Sc. I (Sem I)

Course Title: Introductory Microbiology

Paper No.: I

Course Code: U-MIB-153

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Scope of Microbiology	08	10/07/2023 to 08/08/2023	Seminars	Class test
II	Historical developments in microbiology	15	09/08/2023 to 09/09/2023	Seminar	Assignment
III	Types of microorganisms and their characteristics	12	11/09/2023 to 09/10/2023	Seminar	Assignment
IV	Taxonomy of Microbes	10	10/10/2023 to 04/11/2023	Seminar	Class test


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Name of the Faculty: Ms. Pratiksha Diliprao Mane
Subject: Microbiology
Class: M.Sc. I (Sem-I)
Course Title: Enzyme Technology
Paper No.: II
Course Code: P-ENZ-282

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Enzyme as a biocatalyst and Enzyme Engineering	15	10/07/2023 to 31/07/2023	Seminars	Class test
II	Enzyme Kinetics and Enzyme Inhibition	15	1/08/2023 to 31/08/2023	Seminar	Assignment
III	Extraction and Purification of Microbial Enzyme	13	1/09/2023 to 10/10/2023	Seminar	Assignment
IV	Immobilization and Applications of Microbial enzymes	15	11/10/2023 to 04/11/2023	Seminar	Class test


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Name of the Faculty: Ms. Pratiksha Diliprao Mane
Subject: Microbiology
Class: M.Sc. II (Sem III)
Course Title: Advanced Molecular Biology
Paper No.: PAPER XII
Course Code: P-ADV-352

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Basic tools of r-DNA Technology	17	27/06/2023 to 21/07/2023	Seminars	Class test
II	Nucleic acid amplification ,sequencing and Hybridization	15	22/07/2023 to 22/08/2023	Seminar	Assignment
III	Cloning and Screening methodologies	13	25/08/2023 to 8/09/2023	Seminar	Assignment
IV	Applications of rDNA technology and Legal issue	15	9/09/2023 to 14/10/2023	Seminar	Class test



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Name of the Faculty: Ms.Ms. P.D.Mane


Subject: Microbiology

Class: B.Sc. **II** (Sem II)

Course Title: : BASICS OF MICROBIOLOGY AND BIOMOLECULES

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Ultra structure of bacterial cell	09	11/12/2023 to 30/12/2023	Seminars	Class test
II	The Viruses: Distribution and structure	12	30/12/2023 to 27/01/2024	Seminar	Assignment
III	Biomolecules	12	31/01/2024 to 29/02/2024	Seminar	Assignment
IV	Functional and Informational Biomolecules	12	02/03/2024 to 28/03/2024	Seminar	Class test


Subject Teacher
Ms. P.D.Mane


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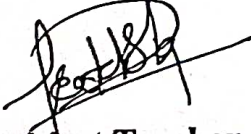
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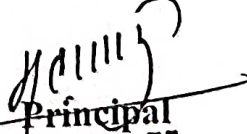
Name of the Faculty: Ms. P.D.Mane
Subject: Microbiology
Class: M.Sc. I (Sem-II)
Course Title: MICROBIAL GENETICS

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Bacterial DNA Replication, Damage and Repair	15	11/12/2023 to 06/12/2023	Seminars	Class test
II	Bacterial Transcription and Translation Process	15	08/01/2024 to 31/01/2024	Seminar	Assignment
III	Regulation of Gene Expression in Bacteria	15	05/02/2024 to 02/03/2024	Seminar	Assignment
IV	Genetic Recombination and Mapping in Bacteria	15	04/03/2024 to 27/03/2024	Seminar	Class test


Subject Teacher
Ms. P.D.Mane


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Name of the Faculty: ~~Ms.~~ Ms. P.D.Mane

Subject: Microbiology

Class: M.Sc. II (Sem IV)

Course Title: MICROBIAL BIOINFORMATICS, GENOMICS AND PROTEOMICS

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Basics of Bioinformatics	15	06/12/2023 to 30/12/2023	Seminars	Class test
II	Biological databases and Multiple sequence alignment	15	30/12/2023 to 27/01/2024	Seminar	Assignment
III	Microbial Genomics	15	31/01/2024 to 29/02/2024	Seminar	Assignment
IV	Microbial Proteomics	15	02/03/2024 to 28/03/2024	Seminar	Class test



Subject Teacher

Ms. P.D.Mane



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