

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Microbiology**  
**Program: B.Sc. and MSc**  
**Teaching Plan**  
**Academic year: 2021-22**

Class: **M.Sc.I**

Course: **MICROBIAL METABOLISM**

Course Teacher: **Miss.P.D.Mane**

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Test/Assignment
I	Thermodynamics and Bioenergy Transduction	15	01/02/2022To 25/02/2022	Assignment
II	Carbohydrate Metabolism	15	126/02/2022To 10/03/2022	Class test
III	Metabolism of Organic Nitrogenous Compounds	15	11/03/2022To 30/03/2022	Class test
IV	Metabolism of lipids and hydrocarbons	15	01/04/2022To 30/04/2022	Class test

  
Subject Teacher

  
HEAD  
Dept. of Microbiology  
Rajarshi Shahu Mahavidyalaya  
Latur - 413 512

  
Principal

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**Program: B.Sc. and MSc**  
**Teaching Plan**  
**Academic year: 2021-22**

Class: **M.Sc.II**

Course: **Immunology**

Course Teacher: **Miss.P.D.Mane**

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Test/Assignment
I	Organ and Cells of immune system	15	05/07/2021 to 28/07/2021	Assignment
II	Immunogen and Immunoglobulin	15	29/07/2021 to 23/08/2021	Class test
III	Organization and Expression of Immunoglobulin Gene	15	24/08/2021 to 27/09/2021	Class test
IV	Major and Minor Histocompatibility Complex	15	28/09/2021 to 26/10/2021	Class test

  
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Class: **B.Sc. I**

Course: **Introductory Microbiology**

Course Teacher: **Miss.P.D.Mane**

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Test/Assignment
I	Scope of Microbiology	08	27/09/2021 to 06/10/2021	Assignment
II	Historical Development of Microbiology	15	07/10/2021 to 01/11/2021	Class test
III	Type of Microbiology and their Characteristics	12	08/11/2021 to 20/11/2021	Class test
IV	Taxonomy of Microbes	10	22/11/2021 to 02/12/2021	Class test

  
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**Academic year: 2021-22**

Class: **B.Sc. I**

Course: **BASICS OF MICROBIOLOGY AND BIOMOLECULES**

Course Teacher: **Miss.P.D.Mane**

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Test/Assignment
I	Ultra structure of bacterial cell	15	01/02/2022 To 25/02/2022	Assignment
II	The Viruses: Distribution and structure	10	26/02/2022 To 05/03/2022	Class test
III	Biomolecules	10	07/03/2022 To 28/03/2022	Class test
IV	Functional and Informational Biomolecules	10	29/03/2022 To 20/04/2022	Class test

  
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Class: **M.Sc. II**

Course: **Medical and Pharmaceutical Microbiology**

Course Teacher: **Miss.P.D.Mane**

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Test/Assignment
I	Antibiotics, Synthetic Antimicrobial Agents	15	17/12/2021 to 12/01/2022	Assignment
II	Microbial Production and Spoilage of Pharmaceutical Products	15	13/01/2022 to 16/02/2022	Class test
III	Regulatory Practices, Biosensors and Applications in Pharmaceuticals	15	17/02/2022 to 23/03/2022	Class test
IV	Quality Assurance and Validation	15	24/03/2022 to 16/04/2022	Class test

  
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