



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

Department of Microbiology

Teaching Plan

Timetable Duration: July 2025 to November 2025

Name of the Teacher: Ms. S. S. Patil

Details of Classes to be taught

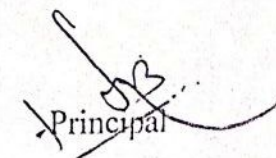
| Class    | Course Title               | Course Code | Semester | Credit | Total Teaching Hrs |
|----------|----------------------------|-------------|----------|--------|--------------------|
| M.Sc. II | Advanced Molecular Biology | 602MIB3102  | III      | 3      | 45                 |

Summary of Lesson Plan

| Unit | Chapter to be Covered                                               | Expected No. of Lectures | Date                     | Academic Activities to be Organized | No. of Test/ Assignment |
|------|---------------------------------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------|
| I    | Enzymes of r DNA Technology                                         | 12                       | 26/06/2025 To 19/07/2025 | Quiz                                | Class Test              |
| II   | Cloning and Screening methodologies                                 | 11                       | 24/07/2025 To 23/08/2025 | Model Exhibition                    | CAT-I                   |
| III  | Nucleic acid amplification, Sequencing and Hybridization Techniques | 12                       | 28/08/25 To 25/09/2025   | Field Survey                        | CAT-II                  |
| IV   | Applications of rDNA technology and Legal issues                    | 09                       | 26/09/2025 To 17/10/2025 | Hands-on Training                   | CAT-III                 |

  
Teacher

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

  
Principal



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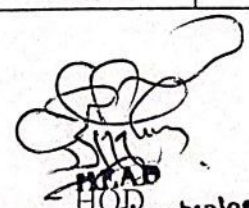
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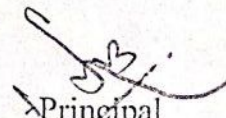
| Class  | Course Title                    | Course Code | Semester | Credit | Total Teaching Hrs |
|--------|---------------------------------|-------------|----------|--------|--------------------|
| B.Sc I | (DSC) Introductory Microbiology | 101MIB1101  | I        | 3      | 45                 |

Summary of Lesson Plan

| Unit | Chapter to be Covered                             | Expected No. of Lectures | Date                     | Academic Activities to be Organized | No. of Test/ Assignment |
|------|---------------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------|
| I    | Scope of Microbiology                             | 10                       | 10/07/2025 to 02/08/2025 | Quiz                                | Class Test              |
| II   | Historical developments in microbiology           | 12                       | 07/08/2025 to 30/08/2025 | Model Exhibition                    | CAT-I                   |
| III  | Types of microorganisms and their characteristics | 13                       | 04/09/2025 to 27/09/2025 | Field Survey                        | CAT-II                  |
| IV   | Taxonomy of Microbes                              | 10                       | 03/10/2025 to 17/10/2025 | Hands-on Training                   | CAT-III                 |

  
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| B.Sc.III | Molecular Microbiology |             | V        | 3      | 45                 |

Summary of Lesson Plan

| Unit | Chapter to be Covered                      | Expected No. of Lectures | Date                     | Academic Activities to be Organized | No. of Test/ Assignment |
|------|--------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------|
| I    | DNA: Structure, replication and properties | 10                       | 23/06/2025 To 16/07/2025 | Quiz                                | Class Test              |
| II   | Genes and Genomes                          | 10                       | 21/07/2025 To 13/08/2025 | Model Exhibition                    | CAT-I                   |
| III  | Gene Expression                            | 13                       | 18/08/2025 To 16/09/2025 | Field Survey                        | CAT-II                  |
| IV   | Gene cloning                               | 12                       | 22/09/2025 To 13/10/2025 | Hands-on Training                   | CAT-III                 |

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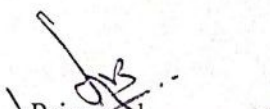
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|---------|----------------------|-------------|----------|--------|--------------------|
| M.Sc. I | Microbial Physiology | 601MIB1101  | I        | 3      | 45                 |

Summary of Lesson Plan

| Unit | Chapter to be Covered                      | Expected No. of Lectures | Date                     | Academic Activities to be Organized | No. of Test/ Assignment |
|------|--------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------|
| I    | Bacterial Chemolithotrophs and Phototrophs | 12                       | 16/07/2025 to 06/08/2025 | Quiz                                | Class Test              |
| II   | Bacterial Respiration                      | 12                       | 11/08/2025 to 03/09/2025 | Model Exhibition                    | CAT-I                   |
| III  | Bacterial Permeation                       | 12                       | 08/09/2025 to 01/10/2025 | Field Survey                        | CAT-II                  |
| IV   | Microbial Stress Responses                 | 09                       | 06/10/2025 to 17/10/2025 | Hands-on Training                   | CAT-III                 |

  
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