

**Rajarshi Shahu Mahavidyalaya, Latur**

**(Autonomous)**

**Department of Microbiology**

**(Teaching Plan 2020-21)**

**Term: I**

**Name of the Faculty: Dr. D. V. Vedpathak**

**Subject: Microbiology**

**Class : B.Sc. I, Sem:I , Paper :II**

**Course title: Methods in Microbiology      Course Code: U-MIB- 154**

<b>Unit</b>	<b>Unit and Chapter to be covered</b>	<b>No. of Lectures</b>	<b>Date</b>	<b>Academic activities to be organized</b>	<b>Test/Assignment</b>
<b>I</b>	<b>Bio-imaging</b>	<b>12</b>	<b>16/07/2020 to 13/08/2020</b>	<b>Seminars</b>	<b>Class test</b>
<b>II</b>	<b>Microbial Staining Techniques</b>	<b>10</b>	<b>14/08/2020 to 10/09/2020</b>	<b>Seminar</b>	<b>Assignment</b>
<b>III</b>	<b>Sterilization and disinfection</b>	<b>13</b>	<b>11/09/2020 to 10/10/2020</b>	<b>Guest Lecture</b>	<b>Assignment</b>
<b>IV</b>	<b>Effect of environmental factors on microbial growth and survival</b>	<b>10</b>	<b>15/10/2020 to 31/10/2010 Extra 06 lectures to be arranged to complete the syllabus</b>	<b>Seminar</b>	<b>Class test</b>

**Dr D. V. Vedpathak**

**Name of the Faculty : Dr. D. V. Vedpathak**

**Subject: Microbiology**

**Class : B.Sc. III, Sem:V , Paper :IX**

**Course title: Microbial genetics      Course Code: U-MIB- 565**

<b>Unit</b>	<b>Unit and Chapter to be covered</b>	<b>No. of Lectures</b>	<b>Date</b>	<b>Academic activities to be organized</b>	<b>Test/Assignment</b>
<b>I</b>	<b>Mutations</b>	<b>10</b>	<b>20/07/2020 to 10/08/2020</b>	<b>Seminar</b>	<b>Class test</b>
<b>II</b>	<b>Repair of DNA damage</b>	<b>10</b>	<b>11/08/2020 to 02/09/2020</b>	<b>Seminar</b>	<b>Assignment</b>
<b>III</b>	<b>Recombination and transposable elements</b>	<b>11</b>	<b>03/09/2020 to 28/09/2020</b>	<b>Guest Lecture</b>	<b>Assignment</b>
<b>IV</b>	<b>Gene transfer in bacteria</b>	<b>14</b>	<b>29/09/2020 to 28/10/2020</b>	<b>Seminar</b>	<b>Class test</b>

**Dr D. V. Vedpathak**

**Name of the Faculty: Dr. D. V. Vedpathak**

**Subject: Microbiology**

**Class : M.Sc. I, Sem:I , Paper :II**

**Course title: Food and Dairy microbiology      Course Code: P-MIB- 182**

<b>Unit</b>	<b>Unit and Chapter to be covered</b>	<b>No. of Lectures</b>	<b>Date</b>	<b>Academic activities to be organized</b>	<b>Test/Assignment</b>
<b>I</b>	<b>Industrial food fermentations</b>	<b>12</b>	<b>04/01/2021 to 21/01/2021</b>	<b>Seminars</b>	<b>Seminars</b>
<b>II</b>	<b>Food spoilage and preservation</b>	<b>12</b>	<b>25/01/2021 to 09/02/2021</b>	<b>Seminar</b>	<b>Assignment</b>
<b>III</b>	<b>Quality assurances in food</b>	<b>11</b>	<b>10/02/2021 to 01/03 2021</b>	<b>Guest Lecture</b>	<b>Seminars</b>
<b>IV</b>	<b>Advanced food microbiology</b>	<b>10</b>	<b>02/03/2021 to 18/03/2021</b>	<b>Seminar</b>	<b>Assignment</b>

**Dr D. V. Vedpathak**

**Rajarshi Shahu Mahavidyalaya, Latur**

(Autonomous)

Department of Microbiology

(Teaching Plan 2020-21)

Term: II

Name of the Faculty: Dr. D. V. Vedpathak

Subject: Microbiology

Class : B.Sc. I, Sem:II , Paper :IV

Course title: Microbial Nutrition and Growth Course Code: U-MIB- 152

Dr D. V. Vedpathak

Unit	Unit and Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/Assignment
I	Microbial Nutrition	10	25/02/2021 to 19/03/2021	Seminars	Class test
II	Nutrient Transport	12	20/03/2021 to 17/04/2021	Seminar	Assignment
III	Bacterial Reproduction and Growth	11	22/04/2021 to 21/05/2021	Guest Lecture	Assignment
IV	Effect of environmental factors on microbial growth and survival	12	22/05/2021 to 29/05/2021 Extra 08 lectures to be arranged to complete the syllabus	Seminar	Class test

Name of the Faculty : Dr. D. V. Vedpathak

**Subject: Microbiology**

**Class : B.Sc. III, Sem:VI , Paper :XI**

**Course title: Molecular biology Course Code: U-MIB- 665**

<b>Unit</b>	<b>Unit and Chapter to be covered</b>	<b>No. of Lectures</b>	<b>Date</b>	<b>Academic activities to be organized</b>	<b>Test/Assignment</b>
<b>I</b>	<b>Structure, replication and properties</b>	<b>10</b>	<b>25/02/2021 to 19/3/2021</b>	<b>Seminar</b>	<b>Class test</b>
<b>II</b>	<b>Genes and genetic code</b>	<b>10</b>	<b>20//2021 to 15/04/2021</b>	<b>Seminar</b>	<b>Assignment</b>
<b>III</b>	<b>Gene Expression</b>	<b>10</b>	<b>16/04/2021to 08/05/2021</b>	<b>Guest Lecture</b>	<b>Assignment</b>
<b>IV</b>	<b>Gene cloning</b>	<b>15</b>	<b>13/05/2021 to 29/05/2021 Extra 10 lectures required</b>	<b>Seminar</b>	<b>Class test</b>

**Dr D. V. Vedpathak**

