

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

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

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

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

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

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

Dr D. V. Vedpathak

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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

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

Dr D. V. Vedpathak

