

# INDUSTRIAL MICROBIOLOGY

## B.Sc. I, II & III YEAR

(w. e. f. Session 2021-22 onward)

### COURSE STRUCTURE

S.No.	Subject Code	Subject Title	Period		Evaluation Scheme			Subject Total	
			L	P	Sessional				ESE
					Credit	CT	TA		
<b>Semester I</b>									
DSC 1	BIM-C101	Fundamentals of Microbiology	4	-	4	20	10	70	100
	BIM-C151	Lab course CC-01		4	2	15	15	70	100
<b>Semester II</b>									
DSC 2	BIM-C201	Microbial Technology	4	-	4	20	10	70	100
	BIM-C251	Lab course CC-02		4	2	15	15	70	100
					<b>12</b>				<b>400</b>
<b>Semester III</b>									
DSC 3	BIM-C301	Microbial Physiology & Metabolism	4	-	4	20	10	70	100
SEC 1	BIM-S301	Food Fermentation Techniques	4		4	20	10	70	100
	BIM-S302	Tools and Techniques							
	BIM-C351	Lab course CC-03		4	2	15	15	70	100
<b>Semester IV</b>									
DSC 4	BIM-C401	Industrial Microbiology	4	-	4	20	10	70	100
SEC 2	BIM-S401	Biofertilizers	4		4	20	10	70	100
	BIM-S402	Microbial Diagnosis in Health Clinics							
	BIM-C451	Lab course CC-04		4	2	15	15	70	100
					<b>20</b>				<b>600</b>
<b>Semester V</b>									
DSE 1	BIM-E501	Control of Microbial Diseases	4	-	4	20	10	70	100
	BIM-E502	Food Borne Diseases and Food Preservation							
	BIM-E503	Environmental Microbiology							
SEC 3	BIM-S501	Pharmaceutical Microbiology	4	-	4	20	10	70	100
	BIM-S502	Microbiological Analysis of Air and Water							
	BIM-C551	Lab course - 05							
<b>Semester VI</b>									
DSE 2	BIM-E601	Immunology	4	-	4	20	10	70	100
	BIM-E602	Recombinant DNA Technology							
	BIM-E603	Molecular Genetics							
SEC 4	BIM-S601	Medical Microbiology	4	-	4	20	10	70	100
	BIM-S602	Agricultural Microbiology							
	BIM-S603	Project Work							
	BIM-C651	Lab course - 06							
					<b>20</b>				<b>600</b>
<b>Credit Total</b>					<b>52</b>	<b>Grand Total</b>			<b>1600</b>

**NOTE:** Questions of theory paper are to be set under two sections i.e., A and B. In section A, the student has to answer any five out of ten **short answer questions** (150 words) uniformly distributed from the entire syllabus. In Section B, the student has to answer any four questions out of Eight **long answer questions/descriptive** questions uniformly distributed from the entire syllabus are to be set for section B. Section A and B will be of 30, and 40 marks respectively. The previous year paper/model paper can be used as a guideline and the following syllabus should be strictly followed while setting the question paper

Ashok  
 17.4.21  
 Chandra  
 Pabani  
 Kaa  
 Chyap  
 17/4/21