

M .S.C. INDUSTRIAL MICROBIOLOGY

Semester - I							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
Core Course							
1	M SIM 101	Biochemistry	3	0	0	3	100
2	M SIM 102	Cell & Molecular Biology	3	0	0	3	100
3	M SIM 103	Plant & Animal Cell Culture	3	0	0	3	100
4	M SIM 104	Microbiology	3	0	0	3	100
5	M SIM 105	Genetics	3	0	0	3	100
6	M SIM 106	Basics of Microbiology	2	0	1	3	100
7	M SIM 107	Basics of Microbiology	2	0	0	2	50
8	M SIM 108	Lab 1 - Biochemistry	0	0	2	2	50
9	M SIM 109	Lab 2 - Microbiology	0	0	2	2	50
10	M SIM 110	Lab 3 - Plant & Animal Cell Culture	0	0	2	2	50
11	M SIM 111	Internship	0	0	2	2	50
Total						28	850

Semester - II							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Core Course							
1	M SIM 201	Genetic Engineering	3	0	0	3	100
2	M SIM 202	Immunology	3	0	0	3	100
3	M SIM 203	Bioinformatics	3	0	0	3	100
4	M SIM 204	Bioprocess Engineering	3	0	0	3	100
5	M SIM 205	Research Methodology	3	0	0	3	100
6	M SIM 207	IPR, Biosafety & Bioethics	3	0	0	3	100
7	M SIM 208	GLP & Regulatory Affairs	1	0	0	1	50
8	M SIM 209	Lab 4 - Microbiology	0	0	2	2	50
9	M SIM 210	Lab 5 - Immunology	0	0	2	2	50
10	M SIM 211	Internship	0	0	2	2	50
B. Elective Course							
12	M SIM 312	Elective	2	0	0	2	50
Total						29	700

Semester - III							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Ability Enhancement Compulsory Course							
1	M SIM 301	Medical Microbiology	3	0	0	3	100
2	M SIM 302	Emerging Infectious Diseases	3	0	0	3	100

3	M SIM 303	Environm	3	0	0	3	100
4	M SIM 304	Bio - Entre	3	0	0	3	100
5	M SIM 305	Agricultur	3	0	0	3	100
6	M SIM 306	Project Pr	3	0	0	3	100
7	M SIM 307	Seminar -	1	0	0	1	50
8	M SIM 308	Microbial	0	0	2	2	50
9	M SIM 309	Lab 6 - M	0	0	2	2	50
10	M SIM 310	Lab 7 - In	0	0	2	2	50
11	M SIM 311	Internship	0	0	2	2	50
D. Elective Course							
12	M SIM 312	Elective	2	0	0	2	50
Total						29	700

Semester - III							
Sr. No.	Course Co	Course Ti	L	T	P	C	M arks
A. Ability Enhancement Compulsory Course							
1	M SIM 301	Medical M	3	0	0	3	100
2	M SIM 302	Emerging	3	0	0	3	100
3	M SIM 303	Environm	3	0	0	3	100
4	M SIM 304	Bio - Entre	3	0	0	3	100
5	M SIM 305	Agricultur	3	0	0	3	100
6	M SIM 306	Project Pr	3	0	0	3	100
7	M SIM 307	Seminar -	1	0	0	1	50
8	M SIM 308	Microbial	0	0	2	2	50
9	M SIM 309	Lab 6 - M	0	0	2	2	50
10	M SIM 310	Lab 7 - In	0	0	2	2	50
11	M SIM 311	Internship	0	0	2	2	50
D. Elective Course							
12	M SIM 312	Elective	2	0	0	2	50
Total						29	700