

Swami Vivekanand University, Sagar (M.P.)

As per model syllabus of U.G.C. New Delhi, drafted by
Central Board of Studies and Approved by Higher
Education and the Governor of M.P.



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Faculty of Science

Syllabus & Prescribed Books

Subject- Microbiology

M.Sc. Semester Examination

2016-18

I to IV Semester

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COURSEWISE SCHEME

Ist SEMESTER

1. Course Code	: MSCMB	5. Total Practical	: 2
2. Course Name	: M.Sc. Microbiology	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory									Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
Compulsory														
MSCMB 101	General and Introductory Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 102	Immunology and Medical Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 103	Biostatistics and Computer Application	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 104	Tools and Techniques	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 105	Practical-I	0	0	0	0	0	0	0	0	0	50	18	50	18
MSCMB 106	Practical-II	0	0	0	0	0	0	0	0	0	50	18	50	18



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Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CC E		Total Marks		Max.	Min.	Max.	Min.	
		1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.					
Compulsory															
MSCMB 201	Microbiology Genetics and Recombination Studies	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 202	Molecular Biology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 203	Bimolecular Biomolecules	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 204	Biochemistry	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 205	Practical-I	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCMB 206	Practical-II	0	0	0	0	0	0	0	0	0	50	18	50	18	



COURSEWISE SCHEME IIIrd SEMESTER

1. Course Code	: MSCMB	5. Total Practical	: 2
2. Course Name	: M.Sc. Microbiology	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.	
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.					
Compulsory															
MSCMB 301	Bacteriology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 302	Virology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 303	Mycology & Parasitology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 304	Food and Industrial Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCMB 305	Practical-I	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCMB 306	Practical-II	0	0	0	0	0	0	0	0	0	50	18	50	18	



COURSEWISE SCHEME IVth SEMESTER

1. Course Code	: MSCMB	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Microbiology	7. Project Marks	: 50
3. Total Theory Subject	: 4	8. Total Marks	: 350
4. Total Theory Marks	: 200	9. Minimum Passing Percentage	: 36
5. Total Practical	: 2		

Sub. Code	Subject Name	Theory									Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
Compulsory														
MSCMB 401	Microbial Physiology	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 402	Microbial Metabolism	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 403	Environmental Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 404	Microbial Interactions and Biotechnology	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCMB 405	Practical-I	0	0	0	0	0	0	0	0	0	50	18	50	18
MSCMB 406	Practical-II	0	0	0	0	0	0	0	0	0	50	18	50	18
MSCMB 407	Project Work	0	0	0	0	0	0	0	50	18	0	0	50	18