

MAHAKAUSHAL UNIVERSITY JABALPUR

**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.**



Faculty of Science
Scheme & Prescribed Books
Subject- Microbiology
M.Sc. Semester Examination

I to IV Semester

COURSEWISE SCHEME

Ist SEMESTER

1. Course Code	: MMCB	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.					Max.
Compulsory															
MMCB 0101-T	General and Introductory Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0102-T	Immunology and Medical Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0103-T	Biostatistics and Computer Application	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0104-T	Tools and Techniques	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0102-P	Practical-I Immunology & Medical Microbiology Lab	0	0	0	0	0	0	0	0	0	50	20	50	20	
MMCB 0103-P	Practical-II Biostatistics & Computer Application Lab	0	0	0	0	0	0	0	0	0	50	20	50	20	

COURSEWISE SCHEME IInd SEMESTER

1. Course Code	: MMCB	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					CC E		Total Marks		Max.	Min.	Max.	Min.
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
Compulsory														
MMCB 0201-T	Microbiology Genetics and Recombination Studies	42	0	0	42	15	8	3	50	18	0	0	50	18
MMCB 0202-T	Molecular Biology	42	0	0	42	15	8	3	50	18	0	0	50	18
MMCB 0203-T	Bimolecular Biomolecules	42	0	0	42	15	8	3	50	18	0	0	50	18
MMCB 0204-T	Biochemistry	42	0	0	42	15	8	3	50	18	0	0	50	18
MMCB 0205-P	Practical-I Microbiology Genetics & Molecular Biology lab	0	0	0	0	0	0	0	0	0	50	20	50	20
MMCB 0206-P	Practical-II Bimolecular Biomolecules & Biochemistry Lab	0	0	0	0	0	0	0	0	0	50	20	50	20

COURSEWISE SCHEME IIIrd SEMESTER

1. Course Code	: MMCB	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.	Max.				
Compulsory															
MMCB 0301-T	Bacteriology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0302-T	Virology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0303-T	Mycology & Parasitology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0304-T	Food and Industrial Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0303-P	Practical-I Mycology & Parasitology Lab	0	0	0	0	0	0	0	0	0	50	20	50	20	
MMCB 0305-P	Practical-II Bacteriology & Virology Lab	0	0	0	0	0	0	0	0	0	50	20	50	20	

COURSEWISE SCHEME IVth SEMESTER

1. Course Code	: MMCB	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Microbiology	7. Project Marks	: 100
3. Total Theory Subject	: 4	8. Total Marks	: 400
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.					
Compulsory															
MMCB 0401-T	Microbial Physiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0402-T	Microbial Metabolism	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0403-T	Environmental Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0404-T	Microbial Interactions and Biotechnology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MMCB 0404-P	Practical-I Microbial Interactions and Biotechnology Lab	0	0	0	0	0	0	0	0	0	50	20	50	20	
MMCB 0405-P	Practical-II Microbial Physiology and Metabolism lab	0	0	0	0	0	0	0	0	0	50	20	50	20	
MMCB 0406-P	Project Work	0	0	0	0	0	0	0	100	40	0	0	100	40	