

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- Botany
M.Sc. Semester Examination

I to IV Semester

COURSEWISE SCHEME IST SEMESTER

1. Course Code	: MBOT	5. Total Practical	: 2
2. Course Name	: M.Sc. Botany	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.					
Compulsory															
MBOT 0101-T	Biology & Diversity of Viruses, Bacteria & Fungi	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0102-T	Biology Diversity of Algae, Bryophytes & Pteridophytes	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0103-T	Biology & Diversity of Gymnosperms	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0104-T	Plant Ecology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0105-P	Practical-I (i) Biology & Diversity of Viruses, Bacteria & Fungi (ii) Plant Ecology	0	0	0	0	0	0	0	0	0	50	20	50	20	
MBOT 0106-P	Practical-II (i) Biology Diversity of Algae, Bryophytes & Peridophytes (ii) Biology & Diversity of Gymnosperms	0	0	0	0	0	0	0	0	0	50	20	50	20	

COURSEWISE SCHEME

IInd SEMESTER

1. Course Code	: MBOT	5. Total Practical	: 2
2. Course Name	: M.Sc. Botany	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.					Max.
Compulsory															
MBOT 0201-T	Plant Development & Reproduction	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0202-T	Morphology & Taxonomy of Angio Sperms	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0203-T	Utilization and Conservation of Plant resources	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0204-T	Cell Biology of Plants	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0205-P	Practical-I (i) Plant Development & Reproduction (ii) Morphology & Taxonomy of Angio Sperms	0	0	0	0	0	0	0	0	0	50	20	50	20	
MBOT 0206-P	Practical-II (i) Utilization and Conservation of Plant resources (ii) Cell Biology of Plants	0	0	0	0	0	0	0	0	0	50	20	50	20	

COURSEWISE SCHEME IIIrd SEMESTER

1. Course Code	: MBOT	5. Total Practical	: 2
2. Course Name	: M.Sc. Botany	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.
		1 st	2 nd	3 rd	Max.	Min.	Max.	Min.	Max.	Min.					
Compulsory paper Theory															
MBOT 0301-T	Plant Physiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0302-T	Plant Biochemistry & Metabolism	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0303-T	Cytogenetics & Genetics	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0304-T	Molecular Biology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0305-P	Practical I – Based on Paper -I & Paper- II	0	0	0	0	0	0	0	0	0	50	20	50	20	
MBOT 0306-P	Practical II – Based on Paper-III & Paper-IV	0	0	0	0	0	0	0	0	0	50	20	50	20	

COURSEWISE SCHEME

IVrd SEMESTER

1. Course Code	: MBOT	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Botany	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						
		1 st	2 nd	3 rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
Compulsory paper Theory															
MBOT 0401-T	Plant Cell Tissue & Organ Culture	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0402-T	Biotechnology & Genetic Engineering	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0403-T	Industrial Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0404-T	Pollution Ecology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MBOT 0405-P	Practical I – Based on Paper-I & Paper - II	42	0	0	42	15	8	3	50	20	0	0	50	20	
MBOT 0406-P	Practical II – Based on Paper- III & Paper-IV	0	0	0	0	0	0	0	0	0	50	20	50	20	
MBOT 0407-P	Project Work	0	0	0	0	0	0	0	100	40	0	0	100	40	