

# 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.



विज्ञान सैकाय

## Faculty of Science Syllabus & Prescribed Books Subject- Botany

M.Sc. Semester Examination

2016-18

I to IV Semester

कलसचिव

स्वामी विवकानंद विश्वविद्यालय, सिरोंजा सागर (म.प.)



## COURSEWISE SCHEME I<sup>ST</sup> SEMESTER

1. Course Code	: MSCBOT	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.	Max.	Min.					Max.
<b>Compulsory</b>															
MSCBOT 101	Biology & Diversity of Viruses, Bacteria & Fungi	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 102	Biology Diversity of Algae, Bryophytes & Pteridophytes	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 103	Biology & Diversity of Gymnosperms	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 104	Plant Ecology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 105	<b>Practical-I</b> (i) Biology & Diversity of Viruses, Bacteria & Fungi (ii) Plant Ecology	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCBOT 106	<b>Practical-II</b> (i) Biology Diversity of Algae, Bryophytes & Peridophytes (ii) Biology & Diversity of Gymnosperms	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME

### II<sup>nd</sup> SEMESTER

1. Course Code	: MSCBOT	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.				
<b>Compulsory</b>														
MSCBOT 201	Plant Development U & Reproduction	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCBOT 202	Morphology & Taxonomy of Angio Sperms	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCBOT 203	Utilization and Conservation of Plant resources	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCBOT 204	Cell Biology of Plants	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCBOT 205	<b>Practical-I</b> (i) Plant Development & Reproduction (ii) Morphology & Taxonomy of Angio Sperms	0	0	0	0	0	0	0	0	0	50	18	50	18
MSCBOT 206	<b>Practical-II</b> (i) Utilization and Conservation of Plant resources (ii) Cell Biology of Plants	0	0	0	0	0	0	0	0	0	50	18	50	18



## COURSEWISE SCHEME III<sup>rd</sup> SEMESTER

1. Course Code	: MSCBOT	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						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
<b>Compulsory paper Theory</b>															
MSCBOT 301	Plant Physiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 302	Plant Biochemistry & Metabolism	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 303	Cytogenetics & Genetics	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 304	Molecular Biology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 305	<b>Practical I</b> – based on Course PG 301 & 302	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCBOT 306	<b>Practical II</b> – based on Course PG 303 & 304	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME

### IV<sup>rd</sup> SEMESTER

1. Course Code	: MSCBOT	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Botany	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						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
<b>Compulsory paper Theory</b>															
MSCBOT 401	Plant Cell Tissue & Organ Culture	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 402	Biotechnology & Genetic Engineering	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 403	Industrial Microbiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 404	Pollution Ecology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCBOT 405	<b>Practical I</b> – based on Course PG 401 & 402	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCBOT 406	<b>Practical II</b> – based on Course PG 403 & 404	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCBOT 407	Project Work	0	0	0	0	0	0	0	50	18	0	0	50	18	