# MANGALORE UNIVERSITY M.Sc., BOTANY (CBCS)

### Course pattern and scheme of Examination

		I Semo	ester				
D C. 1.	Tidle of the Device	Instruction	Duration of		G 11:		
Paper Code	Title of the Paper	hrs/ week	Exam (hrs)	IA	IA Exam Tot		Credits
<b>Hard Core</b>	e						
BOH401	Plant Morphology and	4	3	30	70	100	4
(REV22)	Taxonomy- I						
BOH402	Plant Biochemistry	4	3	30	70	100	4
(REV22)							
BOH403	Microbiology	4	3	30	70	100	4
(REV22)							
BOP404	Plant Morphology and	4	3	15	35	50	2
(REV22)	Taxonomy - Lab- I						
BOP405	Plant Biochemistry - Lab	4	3	15	35	50	2
(REV22)							
BOP406	Microbiology - Lab	4	3	15	35	50	2
(REV22)							
<b>Soft Core</b>		CALORE UNIV					
	One paper to be	3	3	30	70	100	3
	selected by the student	81	8				
BOS407	Plant Pathology	3					
(REV22)		ರ್ಷ ವಿಶ್ವವಿದ್ಯಾ					
BOS408	Plant Microbe interaction	ಜ್ಞಾನವೇ-ಬೆಳ					
(REV22)							
BOS409	Anatomy &						
(REV22)	Histochemistry						
	*to be selected by the	3	3	15	35	50	2
	student						
BOP410	Plant Pathology - Lab						
(REV22)							
BOP411	Plant Microbe						
(REV22)	interaction - Lab						
BOP412	Anatomy &						
(REV22)	Histochemistry - Lab						
	Total					600	23

		II Seme	ester				
	TI. 0.1 D	Instruction	Duration of		a 11		
Paper Code	Title of the Paper	hrs/ week	Exam (hrs)	IA	Exam	Total	Credits
Hard Core	e						
BOH451	Plant Morphology and	4	3	30	70	100	4
(REV22)	Taxonomy- II						
BOH452	Plant Physiology	4	3	30	70	100	4
(REV22)							
BOP453	Plant Morphology and	4	3	15	35	50	2
(REV22)	Taxonomy - Lab- II	4	2	1.7	25	50	2
BOP454 (REV22)	Plant Physiology - Lab	4	3	15	35	50	2
Soft Core							
boil core	Two papers to be	3x2	3 each	30x2	70x2	100x2	3x2=6
	selected by the student	Q				=200	
BOS455	Molecular plant						
(REV22)	pathology						
BOS456	Applied Microbiology	ORF IIA					
(REV22)		GRIONI	0				
BOS457	Ethnobotany & IPR	A CONTRACTOR	(E)				
(REV22)		શ	8				
BOS458	Reproductive biology of	193					
(REV22)	Angiosperms and Plant	ಾರು ವಿಶ್ವವಿರಾಗ					
	Morphogensis	ಜ್ಞಾನವೇ-ಬೆಳು					
	*to be selected by the	3x2	3x2	15x2	35x2	50x2 =	2x2=4
	student					100	
BOP459	Molecular plant						
(REV22)	pathology - Lab						
BOP460	Applied Microbiology -						
(REV22)	Lab						
BOP461	Ethnobotany & IPR -						
(REV22)	Lab						
BOP462	Reproductive biology of						
(REV22)	Angiosperms and Plant						
	Morphogensis - Lab						
Open Elec							
BOE463	Medicinal Plants	4	-	-	-	100	3
(REV22)						<b>7</b> 00	
	Total					700	25

		III Sen	nester				
D C 1	TP' 4 C.4 D	Instruction	Duration of		a 11		
Paper Code	Title of the Paper	hrs/ week	Exam (hrs)	IA	Exam	Total	Credits
Hard Core	e						
BOH501	Plant Ecology &	4	3	30	70	100	4
(REV22)	Environment						
BOH502	Cytogenetics and	4	3	30	70	100	4
(REV22)	Molecular Biology						
BOP503	Plant Ecology &	4	3	15	35	50	2
(REV22)	Environment - Lab						
BOP504	Cytogenetics and	4	3	15	35	50	2
(REV22)	Molecular Biology - Lab						
Soft Core							
	Two papers to be	3x2	3 each	30x2	70x2	100x2	3x2=6
	selected by the student					=200	
BOS505	Plant Tissue Culture						
(REV22)							
BOS506	Seed Technology	SLORE UNIL					
(REV22)		S July	20				
BOS507	Economic Botany	N N					
(REV22)		EL ST	3				
BOS508	Phytochemical methods	Ping and a specific					
(REV22)		200000000000000000000000000000000000000					
	*to be selected by the	ಜ್ಞಾ 3x2-ಬೆಳಕ	3x2	15x2	35x2	50x2=	2x2=4
	student					100	
BOP509	Plant Tissue Culture Lab						
(REV22)							
BOP510	Seed Technology - Lab						
(REV22)							
BOP511	Economic Botany - Lab						
(REV22)							
BOP512	Phytochemical methods -						
(REV22)	Lab						
Open Elec	tive						
BOE513	Plant Propagation	4	-	-	-	100	3
(REV22)							
l	Total					700	25

IV semester										
D C 1	TP'd Cd D	Instruction	Duration of	Mark	Credits					
Paper Code	Title of the Paper	hrs/ week	Exam (hrs)	IA Exam		Total	1			
Hard Core	e									
BOH551	Plant Breeding	4	3	30	70	100	4			
(REV22)										
BOH552	Plant Biotechnology	4	3	30	70	100	4			
(REV22)										
BOP553	***Project work	4	-	30	70	100	4			
(REV22)										
BOP554	Plant Breeding - Lab	4	3	15	35	50	2			
(REV22)										
BOP555	Plant Biotechnology - Lab	4	3	15	35	50	2			
(REV22)										
Soft Core										
	One paper to be	3	3	30	70	100	3			
	selected by the student									
BOS556	Post Harvest Technology									
(REV22)		ORE UNI								
BOS557	Biodiversity &	SCAL THE STATE OF	0							
(REV22)	conservation	A TO THE REPORT OF THE PERSON	(E)							
	Total	EL S	3			500	19			

<sup>\*</sup>Practicals of the respective subject chosen by the student.

Soft core papers will be offered depending on the expertise available in the Department.

IA for theory will be based on two tests and one seminar.

IA for practicals will be based on the class records and one practical test.

#### MANGALORE UNIVERSITY

# DEPARTMENT OF BOTANY Scheme for M.Sc., CBCS Course

Semester	No. of papers	Hard core			Soft core				Open elective			
		Theory		Practicals		T	Theory P		Practicals		heory	Total credits
		Hrs	Credits	Hrs	Credits	Hrs	Credits	Hrs	Credits	Hrs	Credits	
I	4	4	4x3=12	4	2x3=6	3	3x1=3	4	2x1=2	-	-	23
П	5	4	4x2=8	4	2x2=4	3	3x2=6	4	2x2=4	3	3	25
III	5	4	4x2=8	4	2x2=4	UNIVERS	3x2=6	4	2x2=4	3	3	25
IV	4	4	4x2=8 4x1=4*	4	2x2=4	-ಬೆಳಕು	3x1=3		-	-	-	19

### \* Project work

HC credits - 58 63% SC credits - 28 30% Open elective - 06 7%

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