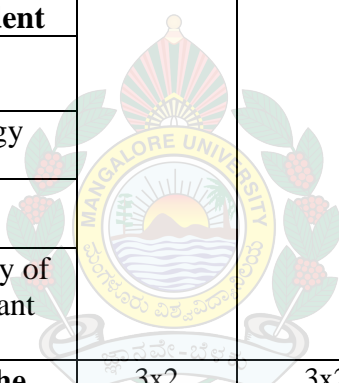
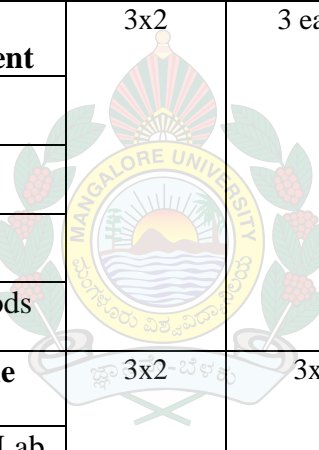


MANGALORE UNIVERSITY
M.Sc., BOTANY (CBCS)

Course pattern and scheme of Examination

I Semester							
Paper Code	Title of the Paper	Instruction hrs/ week	Duration of Exam (hrs)	Marks			Credits
				IA	Exam	Total	
Hard Core							
BOH401 (REV22)	Plant Morphology and Taxonomy- I	4	3	30	70	100	4
BOH402 (REV22)	Plant Biochemistry	4	3	30	70	100	4
BOH403 (REV22)	Microbiology	4	3	30	70	100	4
BOP404 (REV22)	Plant Morphology and Taxonomy - Lab- I	4	3	15	35	50	2
BOP405 (REV22)	Plant Biochemistry - Lab	4	3	15	35	50	2
BOP406 (REV22)	Microbiology - Lab	4	3	15	35	50	2
Soft Core							
	One paper to be selected by the student	3	3	30	70	100	3
BOS407 (REV22)	Plant Pathology						
BOS408 (REV22)	Plant Microbe interaction						
BOS409 (REV22)	Anatomy & Histochemistry						
	*to be selected by the student	3	3	15	35	50	2
BOP410 (REV22)	Plant Pathology - Lab						
BOP411 (REV22)	Plant Microbe interaction - Lab						
BOP412 (REV22)	Anatomy & Histochemistry - Lab						
	Total					600	23

II Semester							
Paper Code	Title of the Paper	Instruction hrs/ week	Duration of Exam (hrs)	Marks			Credits
				IA	Exam	Total	
Hard Core							
BOH451 (REV22)	Plant Morphology and Taxonomy- II	4	3	30	70	100	4
BOH452 (REV22)	Plant Physiology	4	3	30	70	100	4
BOP453 (REV22)	Plant Morphology and Taxonomy - Lab- II	4	3	15	35	50	2
BOP454 (REV22)	Plant Physiology - Lab	4	3	15	35	50	2
Soft Core							
	Two papers to be selected by the student	3x2	3 each	30x2	70x2	100x2 =200	3x2=6
BOS455 (REV22)	Molecular plant pathology						
BOS456 (REV22)	Applied Microbiology						
BOS457 (REV22)	Ethnobotany & IPR						
BOS458 (REV22)	Reproductive biology of Angiosperms and Plant Morphogenesis						
	*to be selected by the student						
BOP459 (REV22)	Molecular plant pathology - Lab	3x2	3x2	15x2	35x2	50x2= 100	2x2=4
BOP460 (REV22)	Applied Microbiology - Lab						
BOP461 (REV22)	Ethnobotany & IPR - Lab						
BOP462 (REV22)	Reproductive biology of Angiosperms and Plant Morphogenesis - Lab						
Open Elective							
BOE463 (REV22)	Medicinal Plants	4	-	-	-	100	3
	Total					700	25

III Semester							
Paper Code	Title of the Paper	Instruction hrs/ week	Duration of Exam (hrs)	Marks			Credits
				IA	Exam	Total	
Hard Core							
BOH501 (REV22)	Plant Ecology & Environment	4	3	30	70	100	4
BOH502 (REV22)	Cytogenetics and Molecular Biology	4	3	30	70	100	4
BOP503 (REV22)	Plant Ecology & Environment - Lab	4	3	15	35	50	2
BOP504 (REV22)	Cytogenetics and Molecular Biology - Lab	4	3	15	35	50	2
Soft Core							
	Two papers to be selected by the student	3x2	3 each	30x2	70x2	100x2 =200	3x2=6
BOS505 (REV22)	Plant Tissue Culture						
BOS506 (REV22)	Seed Technology						
BOS507 (REV22)	Economic Botany						
BOS508 (REV22)	Phytochemical methods						
	*to be selected by the student						
BOP509 (REV22)	Plant Tissue Culture Lab						
BOP510 (REV22)	Seed Technology - Lab						
BOP511 (REV22)	Economic Botany - Lab						
BOP512 (REV22)	Phytochemical methods - Lab						
Open Elective							
BOE513 (REV22)	Plant Propagation	4	-	-	-	100	3
	Total					700	25

IV semester							
Paper Code	Title of the Paper	Instruction hrs/ week	Duration of Exam (hrs)	Marks			Credits
				IA	Exam	Total	
Hard Core							
BOH551 (REV22)	Plant Breeding	4	3	30	70	100	4
BOH552 (REV22)	Plant Biotechnology	4	3	30	70	100	4
BOP553 (REV22)	***Project work	4	-	30	70	100	4
BOP554 (REV22)	Plant Breeding - Lab	4	3	15	35	50	2
BOP555 (REV22)	Plant Biotechnology - Lab	4	3	15	35	50	2
Soft Core							
	One paper to be selected by the student	3	3	30	70	100	3
BOS556 (REV22)	Post Harvest Technology						
BOS557 (REV22)	Biodiversity & conservation						
	Total					500	19

*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		Total credits
		Theory		Practicals		Theory		Practicals		Theory		
		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
II	5	4	4x2=8	4	2x2=4	3	3x2=6	4	2x2=4	3	3	25
III	5	4	4x2=8	4	2x2=4	3	3x2=6	4	2x2=4	3	3	25
IV	4	4	4x2=8 4x1=4*	4	2x2=4	3	3x1=3	-	-	-	-	19

*** Project work**

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

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