

COURSE STRUCTURE: B.Sc., Plant Biology and Plant Biotechnology

Course Content	COURSE CODE	NAME OF THE COURSE	INST. Hr/ Week	CREDIT	MARKS		
					CIA	EXT	TOTAL
I SEMESTER							
Part -I	Language – Paper I (Tamil/Telugu)		4	3	25	75	100
Part - II	BP2-ENG01- Communicative English		3	3	50	50	100
Part-III	BPB-DSC01	Plant Diversity I – Phycology and Algal Biotechnology	5	5	25	75	100
	BPB-DSC02	Plant Diversity I Phycology and Algal Biotechnology - Practical-I	4	2	40	60	100
	Allied Paper – I Zoology Theory		5	4	25	75	100
	Allied Paper – I (Zoology Practical)		3	-	-	-	-
Part-IV	Basic Tamil/Adv. Tamil/ NME-I*		2	2	25	75	100
	BP4-ELSC-English for Life Sciences		4	4	50	50	100
Total Hours / Credits			30	22			
*NME I : Choose any one of the paper from the other Department.							
II SEMESTER							
Part -I	Language – Paper II (Tamil/Telugu)		4	3	25	75	100
Part - II	English – Paper II		4	3	25	75	100
Part-III	BPB-DSC03	Plant Diversity II - Mycology, Phytopathology and Fungal Biotechnology	6	5	25	75	100
	BPB-DSC04	Plant Diversity II - Mycology, Phytopathology and Fungal Biotechnology – Practical II	4	2	40	60	100
	Allied Paper –II Zoology Theory		5	4	25	75	100
	Allied Paper – I & II Zoology Practical		3	2	40	60	100
Part-IV	Basic Tamil/Adv. Tamil/ NME-II*		2	2	25	75	100
	Soft Skill		2	3	25	75	100
Total Hours / Credits			30	24			
NME-II Choose any one of the paper from the other Department							
III SEMESTER							
Part -I	Language – Paper III (Tamil/Telugu)		4	3	25	75	100
Part - II	English – Paper III		4	3	25	75	100
Part-III	BPB-DSC05	Plant Diversity III - Bryophytes and Pteridophytes	6	5	25	75	100
	BPB-DSC06	Plant Diversity III Bryophytes and Pteridophytes – Practical-III	4	2	40	60	100
	Allied Paper – III Chemistry Theory		5	4	25	75	100
	Allied Paper – III Chemistry Practical		3	-	-	-	-
Part-IV	Environmental Studies		2	-	Examination will be held in Semester IV		
	Soft Skill		2	3			
Total Hours / Credits			30	20			

SEMESTER	COURSE CODE	NAME OF THE COURSE	INST. Hr/ Week	CREDIT	MARKS			
IV SEMESTER								
Part -I	Language – Paper IV		4	3	25	75	100	
Part - II	English – Paper IV		4	3	25	75	100	
Part-III	BPB-DSC07	Plant Diversity IV - Gymnosperms, Paleobotany and Evolution	6	5	25	75	100	
	BPB-DSC08	Plant Diversity IV - Gymnosperms, Paleobotany and Evolution – Practical-IV	4	2	40	60	100	
	Allied Paper –IV Chemistry Theory		5	4	25	75	100	
	Allied Paper – III & IV Chemistry Practical		3	2	40	60	100	
Part-IV	Environmental Studies		2	2	25	75	100	
	Soft Skill		2	3	25	75	100	
Total Hours / Credits			30	24				
V SEMESTER								
Part-III	BPB-DSC09	Plant Morphology, Taxonomy and Economic Botany	5	4	25	75	100	
	BPB-DSC10	Plant Morphology, Taxonomy and Economic Botany - Practical-V	4	2	40	60	100	
	BPB-DSC11	Plant Anatomy and Embryology	5	4	25	75	100	
	BPB-DSC12	Cell Biology, Genetics and Plant Breeding	6	5	25	75	100	
	BPB-DSC13	Practical covering – Core 11 and 12 - Practical VI	4	2	40	60	100	
		BPB-DSE1A BPB-DSE1B BPB-DSE1C	Elective-I - Choose any one 1. Bio-Analytical Techniques 2. Aquatic Botany 3. Medicinal Botany	5	5	25	75	100
Part-IV	Value Education		1	2	25	75	100	
Total Hours / Credits			30	24				
VI SEMESTER								
Part-III	BPB-DSC14	Plant Ecology and Phytogeography	4	4	25	75	100	
	BPB-DSC15	Plant Biotechnology and Molecular Biology	4	4	25	75	100	
	BPB-DSC16	Plant Physiology and Plant Biochemistry	5	5	25	75	100	
	BPB-DSC17	Practical covering – Core 14,15 and 16 - Practical-VII	6	2	40	60	100	
		BPB-DSE2A BPB-DSE2B BPB-DSE2C	Elective-II - Choose any one 1. Horticulture Practices 2. Phytochemistry 3. Algal Biotechnology	5	5	25	75	100
		BPB-DSE3A BPB-DSE3B BPB-DSE3C	Elective-III - Choose any one 1. Herbal Science 2. Computer application and Bioinformatics 3. Forensic Botany	5	5	25	75	100
Part-V	Extension Activities		1	1	-	-	-	
Total Hours / Credits			30	26				
OVERALL CREDITS			----	140				

***Core practical exams will be conducted at the end of every semester.**