

THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc., BOTANY

UNDER CBCS

(With effect from 2020 - 2021)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	6	4	Phycology and Mycology	25	75	100
	III	Core Practical	Practical-1	4	0		0	0	0
4.	III	Allied -1	Paper-1	4	3	Zoology I	25	75	100
	III	Allied- 1	Practical-1	2	0		0	0	0
5.	III	PE	Paper 1	6	3	Professional English I	25	75	100
6.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
SEMESTER II									
7.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
8.	II	English (CE)	Paper-2	6	4	Communicative English II	25	75	100
9.	III	Core Theory	Paper-2	5	4	Microbiology, Lichens, Bryology and Plant Pathology	25	75	100
10.	III	Core Practical	Practical-1	3	2	Covering Papers 1 and 2	25	75	100
11.	III	Allied-1	Paper-2	4	3	Zoology II	25	75	100
12.	III	Allied Practical - 1	Practical-1	2	2	Zoology	25	75	100
13.	III	PE	Paper 1	6	3	Professional English II	25	75	100
14.	IV	Value Education		2	2	Value Education	25	75	100
15.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	25		225	675	900

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
16.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
17.	II	English	Paper-3	6	4	English	25	75	100
18.	III	Core Theory	Paper-3	4	5	Pteridology, Gymnosperms and Paleobotany	25	75	100
	III	Core Practical	Practical-2	3	0		0	0	0
19.	III	ALLIED-2	Paper-3	4	3	Chemistry I	25	75	100
	III	Allied Practical	Practical-2	3	0		0	0	0
20.	IV	Skill based Subject	Paper-1	2	2	Horticulture	25	75	100
21.	IV	Non-major elective	Paper-1	2	2	Medicinal Botany	25	75	100
				30	20		150	450	600
SEMESTER IV							CIA	Uni. Exam	Total
22.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
23.	II	English	Paper-4	6	4	English	25	75	100
24.	III	Core Theory	Paper-4	4	5	Plant Cell Biology	25	75	100
25.	III	Core Practical	Practical-2	3	3	Covering Papers 3 and 4	25	75	100
26.	III	ALLIED-2	Paper-4	4	3	Chemistry II	25	75	100
27.	III	Allied Practical-2	Practical-2	3	2		25	75	100
28.	IV	NMSDC : Digital Skills for Employability	Paper-4	3	2	Office Fundamentals	25	75	100
29.	IV	Non-major elective	Paper-2	2	2	Horticulture	25	75	100
				30	25		200	600	800
SEMESTER V							CIA	Uni. Exam	Total
30.	III	Core Theory	Paper-5	6	5	Anatomy and Embryology of Angiosperms	25	75	100
31.	III	Core Theory	Paper-6	6	5	Morphology and Taxonomy of Angiosperms & Economic Botany	25	75	100
32.	III	Core Theory	Paper-7	6	5	Genetics, Plant Breeding, Evolution and Biostatistics	25	75	100
	III	Core Practical	Practical-3	3	0		0	0	0
	III	Core Practical	Practical-4	3	0		0	0	0
33.	III	Internal Elective	Paper-1	4	3	A. Tissue Culture B. Mass Cultivation of Algae C. Bio safety and Bioethics	25	75	100
34.	IV	NMSDC : Advanced Technology for Employability in Life Science	Paper-3	2	2	International Regulatory Requirement in Clinical Trial and Data Management	25	75	100
				30	20		125	375	500

SEMESTER VI							CIA	Uni. Exam	Total
35.	III	Core Theory	Paper-8	6	5	Plant Physiology and Plant Biochemistry	25	75	100
36.	III	Core Theory	Paper-9	5	5	Ecology, Phytogeography and Toxicology	25	75	100
37.	III	Core Practical	Practical-3	3	3	Covering Papers 5, 6 & 7	25	75	100
38.	III	Core Practical	Practical-4	3	3	Covering Papers 8 & 9	25	75	100
39.	III	Core Project	Project – 1	5	5	(Individual / Group Project)	25	75	100
40.	III	Internal Elective	Paper-2	3	3	(to choose one out of 3) A. Plant Biotechnology B. Bio fertilizers C. Postharvest Technology	25	75	100
41.	III	Internal Elective	Paper-3	3	3	(to choose one out of 3) A. Fermentation Technology B. Computer Application in Botany C. Forestry	25	75	100
42.	III	NMSDC : Medical Coding for Employability	Paper-4	2	2	Medical Coding	25	75	100
43.	V	Extension Activities		-	1		100	0	100
				30	30		300	600	900
					140				4300