



**Shrimathi Devkunvar Nanalal Bhatt Vaishnav
College for Women (Autonomous)**

Owned and Managed by Cork Industries Charities Trust
Affiliated to University of Madras - Re-Accredited with 'A+' Grade by NAAC
Chromepet Chennai-600044



**DEPARTMENT OF UG PLANT BIOLOGY AND PLANT
BIOTECHNOLOGY (AIDED)**

B.Sc. PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

CHOICE BASED CREDIT SYSTEM (CBCS)

&

LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)

2022-2025 Batch



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B.Sc. PLANT BIOLOGY AND PLANT BIOTECHNOLOGY CHOICE BASED CREDIT SYSTEM

2022-2025

Year/	Part No	Course Component	Course Code	Title of the Paper	Credits	CIA	ESE	Total
I YEAR I SEMESTER	I	Foundation Course	22ULTFC1001/ 22ULHFC1001/ 22ULSFC1001	Tamil I/ Hindi I/ Sanskrit I	3	40	60	100
	II	Foundation Course	20UGEFC1001	General English-I	3	40	60	100
	III	Core Theory I	20UPBCT1001	Phycology	4	40	60	100
		Core Theory II	20UPBCT1002	Mycology and Lichens	4	40	60	100
		Allied Theory - I	20UPBAT1001	Allied Zoology-I	4	40	60	100
I YEAR II SEMESTER	IV	Soft Skill	20USSLC1001	Essentials of Language and Communication Skills	3	50	-	50
	I	Foundation Course	22ULTFC2002/ 22ULHFC2002/ 22ULSFC2002	Tamil II/ Hindi II/ Sanskrit II	3	40	60	100
		Foundation Course	20UGEFC2002	General English-II	3	40	60	100
	III	Core Theory III	20UPBCT2003	General Microbiology and Plant Pathology	4	40	60	100
		Core Theory IV	20UPBCT2004	Bryophytes and Pteridophytes	4	40	60	100
		Core Practical I	20UPBCP2001	Core Practical-I	2	40	60	100
		Allied Theory - II	20UPBAT2002	Allied Zoology -II	4	40	60	100
		Allied Practical I	20UPBAP2001	Allied Practical - I	2	40	60	100
	IV	SOFT SKILL	20USSSP2002	Essentials of Spoken and Presentation Skills	3	50	-	50
		VALUE EDUCATION	20UESVE2001	Environmental Studies	2	50	-	50
			20UYGVE2002	Yoga and Wellness	2	50	-	50
II YEAR III SEMESTER	I	Foundation Course	22ULTFC3003/ 22ULHFC3003/ 22ULSFC3003	Tamil III/ Hindi III/ Sanskrit III	3	40	60	100
	II	Foundation Course	20UGEFC3003	General English-III	3	40	60	100
	III	Core Theory V	20UPBCT3005	Cell Biology and Molecular Biology	4	40	60	100
		Core Theory VI	20UPBCT3006	Anatomy of Angiosperms and Embryology	4	40	60	100
		Allied Theory - III	22UPBAT4004	Chemistry for PBPBT- I	4	40	60	100
II YEAR IV SEMESTER	IV	Non Major Elective	20UPBND3001	Herbal Cosmetology	2	50	-	50
	I	Foundation Course	22ULTFC4004/ 22ULHFC4004/ 22ULSFC4004	Tamil IV/ Hindi IV/ Sanskrit IV	3	40	60	100
		Foundation Course	20UGEFC4004	General English-IV	3	40	60	100
	III	Core Theory VII	20UPBCT4007	Gymnosperms, Paleobotany and Evolution	4	40	60	100
		Core Theory VIII	20UPBCT4008	Plant Ecology and Environmental Biotechnology	4	40	60	100
		Core Practical II	20UPBCP4002	Core Practical - II	2	40	60	100
		Allied Theory - IV	22UPBAT4004	Chemistry for PBPBT- II	4	40	60	100
		Allied Practical II	22UPBAP4002	Allied Chemistry -Practical	2	40	60	100
	IV	Non Major Elective	20UPBND4002	Herbal Cosmetology	2	50	-	50
		Core Theory IX	20UPBCT5009	Genetics and Plant Breeding	4	40	60	100
III YEAR V SEMESTER	III	Core Theory X	20UPBCT5010	Taxonomy of Angiosperms and Economic Botany	4	40	60	100
		Core Theory XI	20UPBCT5011	Bioinstrumentation, Bioinformatics and Biostatistics	4	40	60	100
		Elective Theory I CLASSROOM	24UPBET5A01/ 24UPBET5B01	Herbal Medicine/ Seed Technology	5	40	60	100
		Skill Based Elective	23USSSB5SM3	SWAYAM-MOOC / NPTEL	3	50	-	50
III YEAR VI SEMESTER	III	Core Theory XII	20UPBCT6012	Plant Physiology, Biochemistry and Biophysics	4	40	60	100
		Core Theory XIII	20UPBCT6013	Plant Biotechnology	4	40	60	100
		Core Practical III	20UPBCP6003	Core Practical - III	2	40	60	100
		Core Practical IV	20UPBCP6004	Core Practical - IV	2	40	60	100
		Elective Theory II CLASSROOM	24UPBET6A02/ 24UPBET6B02	Horticulture/ Biofertilizer Production	5	40	60	100
		Elective Project I	20UPBPR6001	Project	5	40	60	100
	IV	Skill Enhancement	23USSSE6CR4	Coursura	3	50	-	50
	V	Extra Curricular Activity	XSP	Sports	1	-	-	-
TOTAL CREDITS					140			

2022 batch	Extra Credits	Ability Enhancement	E-EDU GOVERN (previously offered by E-EDU)	2
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