

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086
Branch V.A. B.Sc. DEGREE : PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
COURSES OF STUDY
(Effective from the academic year 2015 - 2016)
CHOICE BASED CREDIT SYSTEM

Subject Code	Title of Course	Credits	Total Hours			Exam Hours	Marks		
			Lecture Hours (L)	Tutorial Hours (T)	Practical Hours (P)		Continuous Assessment	End Semester	Maximum
Semester - I									
15BT/MC/AF14	Algae, Fungi and Lichens	4	4	0	0	3	50	50	100
15BT/MC/PB14	Principles of Applied Biotechnology	4	4	0	0	3	50	50	100
15BT/MC/P112	Algae, Fungi and Lichens - Practical	2	0	0	3	3	50	50	100
Allied Core Offered to the Department of Zoology									
15BT/AC/GB14	General Botany - I	4	4	0	0	3	50	50	100
15BT/AC/P111	General Botany - I Practical	1	0	0	2	3	50	50	100
Semester - II									
15BT/MC/BP24	Bryophytes, Pteridophytes and Gymnosperms	4	4	0	0	3	50	50	100
15BT/MC/P221	Bryophytes, Pteridophytes and Gymnosperms - Practical	1	0	0	2	3	50	50	100
15BT/GC/ES22	Environmental Studies	2	2	0	0	-	50	-	100
Allied Core Offered to the Department of Zoology									
15BT/AC/GB24	General Botany - II	4	4	0	0	3	50	50	100
15BT/AC/P221	General Botany - II Practical	1	0	0	2	3	50	50	100
Semester - III									
15BT/MC/TE34	Taxonomy of Angiosperms and Economic Botany	4	4	0	0	3	50	50	100
15BT/MC/PE34	Phytotherapy and Ethnobotany	4	4	0	0	3	50	50	100
15BT/MC/P332	Taxonomy of Angiosperms and Economic Botany - Practical	2	0	0	3	3	50	50	100
Semester - IV									
15BT/MC/AE44	Anatomy and Embryology of Angiosperms	4	4	0	0	3	50	50	100
15BT/MC/P442	Anatomy and Embryology of Angiosperms - Practicals	2	0	0	3	3	50	50	100
Semester - V									
15BT/MC/CM54	Cell and Molecular Biology	4	4	0	0	3	50	50	100
15BT/MC/MB54	Microbiology	4	4	0	0	3	50	50	100
15BT/MC/EE54	Ecology and Environmental Biotechnology	4	4	0	0	3	50	50	100
15BT/MC/P553	Cell and Molecular Biology, Microbiology, Ecology and Environmental Biotechnology - Practical	3	0	0	6	3	50	50	100
Semester - VI									
15BT/MC/PP64	Plant Physiology	4	4	0	0	3	50	50	100
15BT/MC/PG64	Plant Biotechnology & Genetic Engineering	4	4	0	0	3	50	50	100

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15BT/MC/GP64	Genetics, Plant Breeding & Evolution	4	4	0	0	3	50	50	100
15BT/MC/P662	Plant Physiology, Plant Biotechnology & Genetic Engineering, Genetics Plant Breeding & Evolution - Practical	2	0	0	4	3	50	50	100
Allied Elective Course offered to PH, CH & ZL									
15BT/AE/BI45	Bioinstrumentation	5	4	1	0	3	50	50	100
Major Elective Courses									
15BT/ME/FN55	Fruit Preservation and Nutrition (Skill Development Course)	5	4	1	0	3	50	50	100
15BT/ME/PR55	Project	5	0	0	5	-	50	50	100
15BT/ME/HC55	Horticulture (Skill Development Course)	5	4	1	0	3	50	50	100
15BT/ME/AT55	Analytical Techniques in Plant Sciences	5	4	1	0	3	50	50	100
General Elective Courses									
15BT/GE/HT22	Herbal Therapy	2	2	0	0	-	50	-	100
15BT/GE/FP22	Fruit Preservation	2	2	0	0	-	50	-	100
15BT/GE/FH23	Fundamentals of Horticulture	3	3	0	0	-	50	-	100
15BT/GE/WM23	Waste Management	3	3	0	0	-	50	-	100
15BT/GE/FS23	Food Science	3	3	0	0	-	50	-	100
15BT/GE/FR23	Floriculture	3	3	0	0	-	50	-	100
Social Awareness Programme / Service Learning (SAP/SL)									
15BT/SL/PP52	Plants and People	2	2	0	0	-	50	-	100
15BT/SA/CW52	Child Welfare	2	2	0	0	-	50	-	100
15BT/SA/CD52	Care of the Differently Abled	2	2	0	0	-	50	-	100
15BT/SA/CA52	Civic Awareness	2	2	0	0	-	50	-	100
15BT/SA/RR52	Rural Realities - Village Visits	2	2	0	0	-	50	-	100
15BT/SA/UR52	Urban Realities - Underdeveloped Areas (Slums)	2	2	0	0	-	50	-	100
15BT/SA/WA52	Welfare of the Aged	2	2	0	0	-	50	-	100
Independent Elective Courses									
15BT/UI/AR23	Agriculture	3	0	0	0	3	-	100	100
15BT/UI/FR23	Forestry	3	0	0	0	3	-	100	100