

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086
B.Sc. DEGREE : BRANCH VI. A. - ADVANCED ZOOLOGY AND 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									
15ZL/MC/IV14	Invertebrata	4	4	0	0	3	50	50	100
15ZL/MC/EZ14	Economic Zoology	4	4	0	0	3	50	50	100
15ZL/MC/P112	Invertebrata and Economic Zoology- Practical	2	0	0	3	3	50	50	100
Allied Core Offered to the Department of Botany									
15ZL/AC/GZ14	General Zoology - I	4	4	0	0	3	50	50	100
15ZL/AC/P111	General Zoology I - Practical	1	0	0	2	3	50	50	100
Semester - II									
15ZL/MC/CH24	Chordata	4	4	0	0	3	50	50	100
15ZL/MC/P221	Chordata - Practical	1	0	0	2	3	50	50	100
15ZL/GC/ES22	Environmental Studies	2	2	0	0	0	50	###	100
Allied Core Offered to the Department of Botany									
15ZL/AC/GZ24	General Zoology - II	4	4	0	0	3	50	50	100
15ZL/AC/P221	General Zoology II - Practical	1	0	0	2	3	50	50	100
Semester - III									
15ZL/MC/VP34	Vertebrate Physiology	4	4	0	0	3	50	50	100
15ZL/MC/DB34	Developmental Biology	4	4	0	0	3	50	50	100
15ZL/MC/P332	Physiology and Developmental Biology - Practical	2	0	0	3	3	50	50	100
Semester - IV									
15ZL/MC/MB44	Microbiology	4	4	0	0	3	50	50	100
15ZL/MC/P442	Microbiology - Practical	2	0	0	3	3	50	50	100
Semester - V									
15ZL/MC/CM54	Cell and Molecular Biology	4	4	0	0	3	50	50	100
15ZL/MC/GN54	Genetics	4	4	0	0	3	50	50	100
15ZL/MC/FB54	Fundamentals of Biotechnology	4	4	0	0	3	50	50	100
15ZL/MC/P553	Genetics, Cell and Molecular Biology and Biotechnology - Practical	3	0	0	6	3	50	50	100
Semester - VI									
15ZL/MC/AB64	Animal Behaviour	4	4	0	0	3	50	50	100
15ZL/MC/EE64	Ecology and Evolution	4	4	0	0	3	50	50	100
15ZL/MC/IM64	Immunology	4	4	0	0	3	50	50	100
15ZL/MC/P662	Animal Behaviour, Ecology and Immunology - Practical	2	0	0	4	3	50	50	100

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Allied Elective Course offered to PH, CH and BT									
15ZL/AE/HI45	Introduction to Human Physiology and Immunology	5	4	1	0	3	50	50	100
Major Elective Courses									
15/ZL/ME/CB55	Conservation Biology	5	4	1	0	3	50	50	100
15/ZL/ME/LT55	Medical Laboratory Technology	5	4	1	0	3	50	50	100
15ZL/ME/EB55	Environmental Biotechnology	5	4	1	0	3	50	50	100
15ZL/ME/PR55	Project	5	0	0	5	-	50	50	100
General Elective Courses									
15ZL/GE/DM22	Diseases and Management	2	2	0	0	-	50	-	100
15ZL/GE/AW22	Concepts in Animal Welfare	2	2	0	0	-	50	-	100
15ZL/GE/GD23	Genes - Diseases - Society	3	3	0	0	-	50	-	100
15ZL/GE/ND23	Nutrition and Diet Therapy	3	3	0	0	-	50	-	100
15ZL/GE/AZ23	Applied Zoology	3	3	0	0	-	50	-	100
15ZL/GE/HR23	Biology of Human Reproduction	3	3	0	0	-	50	-	100
Social Awareness Programme / Service Learning (SAP/SL)									
15ZL/SA/HH52	Health and Hygiene	2	2	0	0	-	50	-	100
15ZL/SA/CW52	Child Welfare	2	2	0	0	-	50	-	100
15ZL/SA/CD52	Care of the Differently Aabled	2	2	0	0	-	50	-	100
15ZL/SA/CA52	Civic Awareness	2	2	0	0	-	50	-	100
15ZL/SA/RR52	Rural Realities - Village Visits	2	2	0	0	-	50	-	100
15ZL/SA/UR52	Urban Realities - Underdeveloped Areas (Slums)	2	2	0	0	-	50	-	100
15ZL/SA/WA52	Welfare of the Aged	2	2	0	0	-	50	-	100
Independent Electives									
15ZL/UI/FS23	Fundamentals of Food Science	3	0	0	0	3	-	100	100
15ZL/UI/WB23	Introduction to Wildlife Biology	3	0	0	0	3	-	100	100