



A.D.M. COLLEGE FOR WOMEN

(Autonomous)

Affiliated to Bharathidasan University

(Nationally Accredited with "A" Grade by NAAC – 3rd Cycle)

NAGAPATTINAM 611 001.

DEPARTMENT OF BIOCHEMISTRY

B.Sc. BIOCHEMISTRY(2020- 2023)

SCHEME OF THE PROGRAMME

SEM	PART	COURSE	TI TL E	INS. HRS.	CREDIT	EXAM HOURS	MARKS		TOTAL MARKS
							CIA	SE	
I	I	Language Course I (LC)	Tamil I	6	3	3	25	75	100
	II	English Language Course I(ELC)	English I	6	3	3	25	75	100
	III	Core Course I (CC)	Biomolecules	6	6	3	25	75	100
		Core Course II (Practical)(CP)	Major Practical-I	3	-	-	-	-	-
		Allied Course I	Inorganic, organic and Physical chemistry-I	4	4	3	25	75	100
		Allied Practical I(AC)	Inorganic, organic and Physical chemistry-II(Practical)	3	-	-	-	-	-
	V	Value Education	Value Education	2	2	3	25	75	100
			Total		30	18	*	*	*
II	I	Language Course II (LC)	Tamil II	6	3	3	25	75	100
	II	English Language Course II (ELC)	English II	6	3	3	25	75	100
	III	Core Course II (Practical)(CP)	Major Practical-I	3	3	3	40	60	100
		Core Course III(CC)	Analytical Techniques	6	6	3	25	75	100
		Allied Course I (AC)	Inorganic, organic and physical chemistry-II(Practical)	3	3	3	40	60	100
		Allied Course II (AC)	Inorganic, organic and Physical chemistry	4	2	3	25	75	100
	V	Environmental studies	Environmental Studies	2	2	3	25	75	100
		Total		30	22	*	*	*	700

	PART	COURSE	TITLE	INS. HRS.	CREDIT	EXAM HRS	MARKS		TOTAL MARKS
							CIA	SE	
III	I	Language Course III (LC)	Tamil III	6	3	3	25	75	100
	II	English Language Course III (ELC)	English III	6	3	3	25	75	100
	III	Core Course IV (CC)	Human physiology	6	6	3	25	75	100
		Core Course V (Practical) (CP)	Major Practical II	3	-	-	-	-	-
		Allied Course III (AC)	Biology I	4	4	3	25	75	100
		Allied practical II (AC)	Microbial, plant and cell biology practical	3	-	-	-	-	-
	I V	Non Major Elective I	Women and Health/ Health and disease	2	2	3	25	75	100
		Total	30	18	*	*	*	500	
IV	I	Language Course IV (LC)	Tamil IV	6	3	3	25	75	100
	II	English Language Course IV (ELC)	English IV	6	3	3	25	75	100
	III	Core Course VI (CC)	Cell and Molecular biology	5	5	3	25	75	100
		Core course V practical (CP)	Major Practical II	3	3	3	40	60	100
		Allied Course IV (AC)	Biology II	3	2	3	25	75	100
		Allied Practical II (AC)	Microbial, plant and cell biology practical	3	3	3	40	60	100
	I V	Non Major Elective II	Cosmetology / hospital management	2	2	3	25	75	100
		Skill Based Elective I	Herbal medicine	2	2	3	25	75	100
			Total	30	23	*	*	*	800

SEM	PART	COURSE	TITLE	INS. HRS.	CREDIT	EXAM HOURS	MARKS		TOTAL MARKS
							CIA	SE	
V	III	Core Course VII (CC)	Introduction to Enzymology	5	5	3	25	75	100
		Core Course VIII (CC)	Bioenergetics and metabolism	5	5	3	25	75	100
		Core Course IX (CC)	Pharmaceutical biochemistry	6	5	3	25	75	100
		Core Course X (Practical) (CP)	Major practical III	3	3	3	40	60	100
		Major Based Elective I	Medical lab techniques/ Endocrinology	5	5	3	25	75	100
	IV	Skill Based Elective II	Herbal medicine practical	2	2	3	40	60	100
		Skill Based Elective III	Food and Nutrition	2	2	3	25	75	100
	V	Soft skill	Soft Skill Development	2	2	3	25	75	100
			Total		30	29			
VI	III	Core Course XI (CC)	Clinical Biochemistry	6	6	3	25	75	100
		Core Course XII	Immunology	6	6	3	25	75	100
		Core Course XIII	Major practical IV	5	4	3	40	60	100
		Major Based Elective II	Biotechnology / General Microbiology	6	6	3	25	75	100
		Major Based Elective III	Bioinformatics/ Genetic Engineering	6	6	3	25	75	100
		Extension Activities	-	-	1	-	-	-	-
	V	Gender Studies	Gender Studies	1	1	3	25	75	100
			Total		30	30			
		Grand total		180	140				3900