



Semester	Part	Course	Title	Inst. Hours/ Week	Credit	Exam Hours	Marks		Total
							Int	Ext	
I	I	Language Course–I (LC) – Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course - I (ELC)	Communicative English I	6	3	3	25	75	100
	III	Core Course–I (CC)	Cell Biology	6	4	3	25	75	100
		Core Practical – I (CP)	Cell Biology (P)	3	3	3	40	60	100
		First Allied Course–I (AC)	Basic Microbiology	4	4	3	25	75	100
		First Allied Course–II (AP)	Microbiology (P)	3	-	-	-	-	-
		Add on Course – I ##	Professional English I	6	4	3	25	75	100
	IV	Value Education	Value Education	2	2	3	25	75	100
Total				30	23				700
II	I	Language Course–II (LC)– Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course–II (ELC)	Communicative English II	6	3	3	25	75	100
	III	Core Course–II (CC)	Molecular Biology	6	4	3	25	75	100
		Core Practical – II (CP)	Molecular Biology (P)	3	3	3	40	60	100
		First Allied Course–II (AP)	Microbiology (P)	4	2	3	40	60	100
		First Allied Course–III (AC)	Applied Microbiology	3	3	3	25	75	100
		Add on Course – II ##	Professional English II	6	4	3	25	75	100
	IV	Environmental Studies	Environmental Studies	2	2	3	25	75	100
Total				30	24				800
III	I	Language Course – III (LC)– Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course-III (ELC)		6	3	3	25	75	100
	III	Core Course – III (CC)	rDNA Technology	6	4	3	25	75	100
		Core Practical – III (CP)	rDNA Technology (P)	3	3	3	40	60	100
		Second Allied Course – I (AC)	Biomolecules	4	4	3	25	75	100
		Second Allied Course-II (AP)	Biochemistry (P)	3	-	-	-	-	-
	IV	Non Major Elective I-for those who studied Tamil under Part-I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Biotechnology for Human Welfare @	2	2	3	25	75	100
Total				30	19				600

IV	I	Language Course –IV (LC) - Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course – IV (ELC)		6	3	3	25	75	100
	III	Core Course – IV (CC)	Immunology	5	4	3	25	75	100
		Core Practical – IV (CP)	Immunology (P)	3	3	3	40	60	100
		Second Allied Course - II (AP)	Biochemistry (P)	3	2	3	40	60	100
		Second Allied Course - III	Applied Biochemistry	3	3	3	25	75	100
	IV	Non Major Elective II-for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Food Processing @	2	2	3	25	75	100
		Skill Based Elective - I	Skill Based Elective - I	2	2	3	25	75	100
	Total			30	22				800
V	III	Core Course – V (CC)	Plant Biotechnology	5	5	3	25	75	100
		Core Course – VI (CC)	Animal Biotechnology	5	5	3	25	75	100
		Core Course – VII (CC)	Biostatistics and Biosafety	5	5	3	25	75	100
		Core Practical – V (CP)	Plant and Animal Biotechnology (P)	4	4	3	40	60	100
		Major Based Elective – I	Bioinstruments	5	5	3	25	75	100
	IV	Skill Based Elective – II	Skill Based Elective - II	2	2	3	25	75	100
		Skill Based Elective – III	Skill Based Elective – III	2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development	2	2	3	25	75	100
		Total			30	30			
VI	III	Core Course – VIII (CC)	Microbial Biotechnology	6	6	3	25	75	100
		Core Course – IX (CC)	IPR and Bioethics	6	6	3	25	75	100
		Core Practical – VI (CP)	Microbial Biotechnology (P)	5	4	3	40	60	100
		Major Based Elective II	Food Technology	6	6	3	25	75	100
		Major Based Elective III	Immunotechnology	6	6	3	25	75	100
	V	Extension Activities **	Extension Activities	-	1	-	-	-	-
		Gender Studies	Gender Studies	1	1	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS)	Medical Coding	-	2	-	25	75	100
	Total			30	32				700
Grand Total				180	150				4400

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	6
Add-on Course	-	2
Allied Paper	-	3
Allied Practical	-	3
Non-Major Elective	-	2
Skill Based Elective	-	3
Major Based Elective	-	3
Environmental Studies	-	1
Value Education	-	1
Soft Skill Development	-	1
Gender Studies	-	1
Extension Activities	-	1 (Credit only)
Naan Mudhalvan Scheme	-	1

* For those who studied Tamil upto 10th +2 (Regular Stream).

+ Syllabus for other Languages should be on par with Tamil at degree level.

Those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part- I should study special Tamil in Part – IV.

The Professional English – Four Streams Course is offered in the 1st and 2nd Semester in all UG Courses. It will be taught apart from the Existing hours of teaching / additional hours of teaching (1 hour /day) as a 4 credit paper as an add on course on par with Major Paper and completion of the paper is must to continue his / her studies further. The Extra 6 hrs / cycle will be utilized for the Add on Professional English Course. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).

@ NCC Course is one of the Choices in Non-Major Elective Course. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.

** Extension Activities shall be outside instruction hours.

@@ Naan Mudhalvan Scheme as per Government instruction.

Non Major Elective I & II – for those who studied Tamil under Part I

- a) Basic Tamil I & II for other language students
- b) Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

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|---|----------|----------|----------|----------|
| 1. Theory | Internal | 25 marks | External | 75 marks |
| 2. Practical | " | 40 marks | " | 60 marks |
| 3. Separate passing minimum is prescribed for Internal and External | | | | |

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 40 marks [i.e. 16 marks]

The passing minimum for University Examinations shall be 40% out of 60 marks [i.e. 24 marks].
