



Sem	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)	Fundamentals of Microbiology	6	6	3	25	75	100
		Core Practical – I (CP)	Fundamentals of Microbiology & Microbial Metabolism (P)	3	-	-	-	-	-
		First Allied Course–I (AC)	Biochemistry I	4	4	3	25	75	100
		First Allied Practical–II (AP)	Biochemistry I and II (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	22				600	
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)	Microbial Metabolism	6	6	3	25	75	100
		Core Practical – I (CP)	Fundamentals of Microbiology & Microbial Metabolism (P)	3	3	3	40	60	100
		First Allied Practical–II (AP)	Biochemistry-I & II (P)	3	3	3	40	60	100
		First Allied Course–III (AC)	Biochemistry II	4	2	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	26				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)	Immunology	6	6	3	25	75	100
		Core Practical– II (CP)	Immunology &Introductory Virology (P)	3	-	-	-	-	-
		Second Allied Course–I (AC)	Biostatistics	4	4	3	25	75	100
		Second Allied Practical-II (AP)	Biostatistics and Bioinformatics (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	Mushroom Technology @	2	2	3	25	75	100
	Total			30	18				500

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)	Introductory Virology	5	5	3	25	75	100
		Core Practical– II (CP)	Immunology & Introductory Virology (P)	3	3	3	40	60	100
		Second Allied Practical-II (AP)	Biostatistics and Bioinformatics (P)	3	3	3	40	60	100
		Second Allied Course - III(AC)	Bioinformatics and Computer Applications In Biology	3	2	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	Biofertilizer Technology @	2	2	3	25	75	100
		Skill Based Elective - I	Skill Based Elective - I	2	2	3	25	75	100
Total				30	23				800
V	III	Core Course – V (CC)	Medical Microbiology	5	5	3	25	75	100
		Core Course – VI (CC)	Agricultural and Environmental Microbiology	5	5	3	25	75	100
		Core Course – VII (CC)	Molecular Biology and Microbial Genetics	6	5	3	25	75	100
		Core Practical– III (CP)	Medical Microbiology, Agricultural and Environmental Microbiology & and Molecular Biology Microbial Genetics (P)	3	3	3	40	60	100
		Major Based Elective – I	Fundamentals of Botany and Zoology	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	29				800
VI	III	Core Course – VIII (CC)	Food Microbiology	6	6	3	25	75	100
		Core Course – IX (CC)	Industrial Microbiology	6	6	3	25	75	100
		Core Practical– IV (CP)	Food and Industrial Microbiology (P)	6	5	3	40	60	100
		Major Based Elective II	Recombinant DNA Technology	6	6	3	25	75	100
		Major Based Elective III	Microbial Biotechnology and Bioethics	5	5	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) @@	Naandi / Unnati / Quest / IBM Skills Build	-	-	-	-	-	-
Total				30	30				600
Grand Total				180	148				4100

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	4
Add-on Course	-	2
Allied Paper	-	4
Allied Practical	-	2
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 (No Credits)

* 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 and II – for those who studied Tamil under Part I

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

Note:

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

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]
