

🌶 TIRUCHIRAPPALLI – 620 024.

B.Sc. Environmental Science: Course Structure under CBCS (For the candidates admitted from the academic year 2018-2019 onwards)

ELIGIBILITY: Any science group at Higher Secondary School level.

(NAAN MUDHALVAN SCHEME was Implemented in 6^{th} semester alone for 2020-21 Batch)

				Inst.		Exam	Marks		
Sem	Part	Course	Title	Hours/	Credit	Hours	Int	Ext	Total
				Week		Hours	1111	LAt	
	I	Language Course–I (LC) –		6	3	3	25	75	100
, ,		Tamil*/Other Languages ** #				_		, •	
I	II	English Language Course - I		6	3	3	25	75	100
		(ELC)	Consents of Empirement	6	6	3	25	75	100
	Ш	Core Course–I (CC) Core Practical – I (CP)	Concepts of Environment	3	_	3	25	/3	100
		First Allied Course–I (AC)	Environment and Ecology	4	4	3	25	75	100
		First Allied Course–II (AP)	Biology – I Biology	3	-	-	-	-	100
		Add on Course – I ##	Professional English I	6	4	3	25	75	100
	13.7		Value Education	2	2	3	25	75	
	IV	Value Education	Value Education			3	23	/3	100
		Total		30	22				600
	I	Language Course–II (LC)– Tamil*/Other Languages ** #		6	3	3	25	75	100
	II	English Language Course–II (ELC)		6	3	3	25	75	100
		Core Course–II (CC)	Ecology	6	6	3	25	75	100
II		Core Practical – I (CP)	Environment and Ecology	3	3	3	40	60	100
	III	First Allied Course–II (AP)	Biology	3	3	3	40	60	100
		First Allied Course–III (AC)	Biology – 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
	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
		Core Course – III (CC)	Environmental Pollution	6	6	3	25	75	100
		Core Practical – II (CP)	Environmental Resource	3	-	-	-	-	-
	III	· ´	and Management						100
		Second Allied Course–I (AC)	Chemistry – I	4	4	3	25	75	100
		Second Allied Course-II (AP)	Chemistry	3	-	-	-	-	-
III	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	@	2	2	3	25	75	100
		who studied Tamil upto							
		+2 but opt for other							
		languages in degree							
		programme							
		Total		30	18				500

		Language Course –IV							
	I	(LC) - Tamil*/Other		6	3	3	25	75	100
		Languages ** #							
	II	English Language		6	3	3	25	75	100
		Course – IV (ELC) Core Course – IV (CC)	Natural Resources	5	5	3	25	75	100
	III	Core Practical – II (CP)	Environmental Resource and	3	3	3	40	60	100
		, ,	Management	_				"	
		Second Allied Course - II (AP)	Chemistry	3	3	3	40	60	100
		Second Allied Course - III	Chemistry – II	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			2	_	25	7.	100
	IV	b) Special Tamil for	@	2	2	3	25	75	100
		b) Special Tamil for those who studied							
		Tamil upto +2 but opt							
		for other languages in							
		degree programme							
		Skill Based Elective - I	Skill Based Elective - I	2	2	3	25	75	100
			otal	30	23		20	1,5	800
			Environmental Microbiology			2	25	7.5	
	III	Core Course – V (CC)	and Biotechnology	5	5	3	25	75	100
		Core Course – VI (CC)	Environmental Toxicology	5	5	3	25	75	100
		Core Course – VII (CC)	Sustainable Development	6	5	3	25	75	100
		Core Practical – III (CP)	Environmental Monitoring and	3	3	3	40	60	100
V		. ,	Assessment	3		3	40	00	100
'		Major Based Elective –	Global Warming and Climate	5	5	3	25	75	100
		I	change						
	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	2	25	75	800
	III	Core Course – VIII (CC)	Waste Management Environmental Health and	6	6	3	25	75	100
		Core Course – IX (CC)	Safety Management	6	6	3	25	75	100
VI		Core Practical – IV (CP)	Environmental Remediation and		4	3	40	60	100
			Restoration	5					
		Major Based Elective II	Ecotourism	6	6	3	25	75	100
		Major Based Elective III	Disaster Management	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	Naandi / Unnati / Quest / IBM	_	_	_	_		_
	7 1	Scheme (NMS) @@	Skills Build						
Total			30	30				600	
		Grand T	Cotal	180	148				4100

List of Allied Courses

Allied Course I (First Year)		Allied Course II (Second Year)
Biology		Chemistry
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 & 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:

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].
