

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 from 4th onwards for 2021-22 Batch)

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)		6	3	3	25	75	100
	III	Core Course–I (CC)	Concepts of Environment	6	6	3	25	75	100
		Core Practical – I (CP)	Environment and Ecology	3	-	-	-	-	-
		First Allied Course–I (AC)	Biology – I	4	4	3	25	75	100
		First Allied Course–II (AP)	Biology	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)		6	3	3	25	75	100
	III	Core Course–II (CC)	Ecology	6	6	3	25	75	100
		Core Practical – I (CP)	Environment and Ecology	3	3	3	40	60	100
		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

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)	Environmental Pollution	6	6	3	25	75	100
		Core Practical – II (CP)	Environmental Resource and Management	3	-	-	-	-	-
		Second Allied Course–I (AC)	Chemistry – I	4	4	3	25	75	100
		Second Allied Course-II (AP)	Chemistry	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	@	2	2	3	25	75	100
	Total			30	18				500
	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
IV	III	Core Course – IV (CC)	Natural Resources	5	5	3	25	75	100
		Core Practical – II (CP)	Environmental Resource and Management	3	3	3	40	60	100
		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 b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	@	2	2	3	25	75	100
		Skill Based Elective - I	Skill Based Elective - I	2	2	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS) @@	Digital Skills for Employability	-	2	3	25	75	100
	Total			30	25				900

V	III	Core Course – V (CC)	Environmental Microbiology 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 Assessment	3	3	3	40	60	100
		Major Based Elective – I	Global Warming and Climate change	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
	VI	Naan Mudhalvan Scheme (NMS) @@	Marketing and Design Tools	-	2	-	25	75	100
	Total			30	31				900
VI	III	Core Course – VIII (CC)	Waste Management	6	6	3	25	75	100
		Core Course – IX (CC)	Environmental Health and Safety Management	6	6	3	25	75	100
		Core Practical – IV (CP)	Environmental Remediation and Restoration	5	4	3	40	60	100
		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 Scheme (NMS) @@	Innovative & Creative Skills for Employability	-	2	-	25	75	100
	Total			30	32				700
	Grand Total			180	154				4400

List of Allied Courses

Allied Course I (First Year)

Biology

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	-	3

Allied Course II (Second Year)

Chemistry

- * 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].
