

**B.Sc. Zoology: Course Structure under CBCS****(For the candidates admitted from the academic year 2016-2017 onwards)**(NAAN MUDHALVAN SCHEME was Implemented from 4<sup>th</sup> 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)	Invertebrata I (Protozoa – Nematoda)	6	5	3	25	75	100
		Core Practical – I (CP)	Invertebrata I & Invertebrata II (P)	3	-	-	-	-	-
		First Allied Course–I (AC)	Botany I	4	4	3	25	75	100
		First Allied Course–II (AP)	Botany (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
	<b>Total</b>			<b>30</b>	<b>21</b>				<b>600</b>
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)	Invertebrata II	6	5	3	25	75	100
		Core Practical – I (CP)	Invertebrata I & Invertebrata II (P)	3	3	3	40	60	100
		First Allied Course – II (AP)	Botany (P)	3	3	3	40	60	100
		First Allied Course – III (AC)	Botany II	4	4	3	25	75	100
		Add on Course – I ##	Professional English II	6	4	3	25	75	100
	IV	Environmental Studies	Environmental Studies	2	2	3	25	75	100
	<b>Total</b>			<b>30</b>	<b>27</b>				<b>800</b>

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)	Chordata	6	5	3	25	75	100
		Core Practical – II (CP)	Chordata & Cell and Molecular Biology (P)	3	-	-	-	-	-
		Second Allied Course – I (AC)	Chemistry I	4	4	3	25	75	100
		Second Allied Course-II (AP)	Chemistry (P)	3	-	-	-	-	-
	IV	Non Major Elective I-for those who studied Tamil under Part – I	Public Health and Hygiene @	2	2	3	25	75	100
		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							
	Total			30	17				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)	Cell and Molecular Biology	4	4	3	25	75	100
		Core Practical – II (CP)	Chordata & Cell and Molecular Biology (P)	3	3	3	40	60	100
		Second Allied Course-II (AP)	Chemistry (P)	3	3	3	40	60	100
		Second Allied Course - III	Chemistry II	4	4	3	25	75	100
	IV	Non Major Elective II-for those who studied Tamil under Part – I	Ornamental fish farming @	2	2	3	25	75	100
		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							
	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	26				900

V	III	Core Course – V (CC)	Animal Physiology	5	5	3	25	75	100
		Core Course – VI (CC)	Genetics and Evolution	5	5	3	25	75	100
		Core Course – VII (CC)	Microbiology	5	5	3	25	75	100
		Core Practical – III (CP)	Animal physiology, Genetics and Evolution & Microbiology (P)	4	4	3	40	60	100
		Major Based Elective – I	Biotechnology/ Economic Entomology	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) @@	Advanced Technology for Employability in Life Science - Zoology	-	2	-	25	75	100
	<b>Total</b>			<b>30</b>	<b>32</b>				<b>900</b>
VI	III	Core Course – VIII (CC)	Environmental Biology	6	6	3	25	75	100
		Core Course – IX (CC)	Developmental Biology	6	6	3	25	75	100
		Core Practical – IV (CP)	Environmental Biology & Developmental Biology (P)	5	5	3	40	60	100
		Major Based Elective II	Biochemistry / Immunology	6	5	3	25	75	100
		Major Based Elective III	Bioinformatics / Biophysics & Biostatistics	6	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) @@	Medical Coding for Employability	-	2	-	25	75	100
	<b>Total</b>			<b>30</b>	<b>31</b>				<b>700</b>
	<b>Grand Total</b>			<b>180</b>	<b>154</b>				<b>4400</b>

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

\* For those who studied Tamil upto 10<sup>th</sup> +2 (Regular Stream).

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

- # Those who studied Tamil upto 10<sup>th</sup> +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 1<sup>st</sup> and 2<sup>nd</sup> 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

- Basic Tamil I & II for other language students
- Special Tamil I & II for those who studied Tamil upto 10<sup>th</sup> or +2 but opt for other languages in degree programme

**Note:**

	<b>Internal Marks</b>	<b>External Marks</b>
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]

\*\*\*\*\*